

# YADA Reference Manual

## 2.0-alpha

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# Contents

<b>1</b>	<b>The YADA Reference Manual</b>	<b>1</b>
1.1	Overview . . . . .	1
1.2	How to read this document . . . . .	1
1.3	Requirements . . . . .	2
1.4	Environment Variables . . . . .	2
1.5	Bug Tracking . . . . .	3
1.6	Coding and documenting style . . . . .	3
1.7	Copyright . . . . .	3
<b>2</b>	<b>YADA Module Index</b>	<b>5</b>
2.1	YADA Modules . . . . .	5
<b>3</b>	<b>YADA Hierarchical Index</b>	<b>7</b>
3.1	YADA Class Hierarchy . . . . .	7
<b>4</b>	<b>YADA Class Index</b>	<b>9</b>
4.1	YADA Class List . . . . .	9
<b>5</b>	<b>YADA File Index</b>	<b>11</b>
5.1	YADA File List . . . . .	11
<b>6</b>	<b>YADA Page Index</b>	<b>13</b>
6.1	YADA Related Pages . . . . .	13
<b>7</b>	<b>YADA Module Documentation</b>	<b>15</b>
7.1	YadaDocuments - embedded objects . . . . .	15
7.2	YadaConfiguration - managing configurations . . . . .	16
7.3	YadaRunnableDocuments - also called active documents . . . . .	17
7.4	YadaScheduler - the data workhorse . . . . .	18
<b>8</b>	<b>YADA Class Documentation</b>	<b>19</b>

8.1	Balloon Class Reference . . . . .	19
8.2	CdgProcess Class Reference . . . . .	22
8.3	FileSelector Class Reference . . . . .	27
8.4	FlatButton Class Reference . . . . .	31
8.5	ListDialog Class Reference . . . . .	32
8.6	MyTable Class Reference . . . . .	35
8.7	Process Class Reference . . . . .	41
8.8	VisDirectory Class Reference . . . . .	46
8.9	VisFile Class Reference . . . . .	52
8.10	YadaAbout Class Reference . . . . .	56
8.11	YadaConfig Class Reference . . . . .	57
8.12	YadaConfigDocument Class Reference . . . . .	63
8.13	YadaConfigItem Class Reference . . . . .	71
8.14	YadaDifference Class Reference . . . . .	73
8.15	YadaDocument Class Reference . . . . .	90
8.16	YadaExperiment Class Reference . . . . .	97
8.17	YadaExperiments Class Reference . . . . .	103
8.18	YadaGenerals Class Reference . . . . .	112
8.19	YadaGlsStats Class Reference . . . . .	118
8.20	YadaGrammar Class Reference . . . . .	133
8.21	YadaGrammars Class Reference . . . . .	139
8.22	YadaImages Class Reference . . . . .	150
8.23	YadaJob Class Reference . . . . .	151
8.24	YadaJudgeBar Class Reference . . . . .	155
8.25	YadaLog Class Reference . . . . .	158
8.26	YadaMachine Class Reference . . . . .	161
8.27	YadaMachines Class Reference . . . . .	167
8.28	YadaMain Class Reference . . . . .	175
8.29	YadaMethod Class Reference . . . . .	183
8.30	YadaMethods Class Reference . . . . .	191
8.31	YadaOneOnOne Class Reference . . . . .	199
8.32	YadaPlainDocument Class Reference . . . . .	216
8.33	YadaRanking Class Reference . . . . .	221
8.34	YadaRunnableDocument Class Reference . . . . .	233
8.35	YadaRunner Class Reference . . . . .	249
8.36	YadaStartup Class Reference . . . . .	267

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8.37	YadaWordgraph Class Reference . . . . .	273
<b>9</b>	<b>YADA File Documentation</b>	<b>277</b>
9.1	bugfixes.tcl File Reference . . . . .	277
9.2	itcl-hierarchy.tcl File Reference . . . . .	278
9.3	yada.tcl File Reference . . . . .	279
9.4	YadaProc.tcl File Reference . . . . .	280
<b>10</b>	<b>YADA Page Documentation</b>	<b>283</b>
10.1	Todo List . . . . .	283



# Chapter 1

## The YADA Reference Manual

Id

[yada.tcl](#), v 1.19 2004/02/25 14:42:10 micha Exp

### 1.1 Overview

YADA is Yet Another Data Analyser for the CDG parsing environment. Its purpose is to ease the task of parser evaluation by allowing the user to configure series of experiments where problem instances are computed and the resulting data is presented in a pleasant way. The data generated can be exported into an external spreadsheet application or converted into raw data for gnuplot, or what ever one likes.

YADA offers a document oriented interface where *documents* of certain types are loadable in order to generate and display the data with them. During runtime an arbitrary number of documents is loadable each of which can visualize different data or even the same data from a different perspective. Thus YADA is easily extensible by implementing new document types which the user then can instantiate. At the time of this writing the following document types are implemented:

- [YadaRunner](#): this is the most frequently used document type for a straight forward experiment setup.
- [YadaGlsStats](#): this document type allows the user to examine experiments with a specific focus on the GLS parsing flavour displaying additional statistics only meaningful for GLS
- [YadaDifference](#): this also is a runnable document type as the [YadaRunner](#) where two experiments are run alternately in one document. Results from both experiments might be compared immediately.
- [YadaRanking](#): this document type allows the user to load the data from more than one experiment per document and therefore visualize complete experimental series.

In terms of the implementation there are more document types as can be seen in the [YadaDocuments module documentation](#) .

### 1.2 How to read this document

To make your way thru this reference document you might start at the modules section, i.e. [YadaDocuments](#) and the [YadaScheduler](#) . These try to divide the application into logical parts. Understanding the applications architecture might also be cleared by reading [yada.tcl](#) and [YadaMain](#). Take a glimpse at the class hierarchy afterwards and this reference manual hopefully becomes understandable.

## 1.3 Requirements

YADA is implemented in Tcl/Tk, more precisely in Itcl/Itk, the object oriented extension to Tcl/Tk (comment: no more tcl without itcl;), also using the Iwidgets set of megawidges. In addition we use the TkTable widget by Jeffrey Hobbs, and the TDom extension by Jochen Loewer. YADA is known to run with

- tcl-8.3, tk-8.3: <http://tcl.sourceforge.net>
- tktable-2.7: <http://tktable.sourceforge.net>
- tdom-0.5apha: [loewerj@hotmail.com](mailto:loewerj@hotmail.com)

I know there are already more recent versions of that software but, you know, never touch a running system. You might try YADA with new versions of the components. Tell me if that was successfull.

By the way, YADA is developed on linux and is *not* intended to run on MS Windows although TclTk is available on MS Windows. Note that I will not try to code tcl platform-independent in order to support MS Windows. YADA will be kept in a shape that it runs on unices, no MS Windows.

## 1.4 Environment Variables

As you might already have look at the YADA startup script yada.sh there are a few shell environment variables which you might be interested in:

- **YADA\_LIB** : This is the location where the YADA application scripts are located. Obviously, a correct value of this variable is obligatory.
- **YADA\_IMAGES** : This is the location where the images are put. If the variable is not set, it defaults to \$YADA\_LIB/images. Still not a valid location results in a programm abortion.
- **YADA\_PATH** : This variable points to the location, where the yada data is stored needed for your experiments, that is the cdgp binary, configuration files, logfiles and xml files. If this directory does not exist the first time you start YADA, it is created.
- **YADA\_ETC** : This variable points to the location where your configuration are, that is where experiments.tcl, grammar.tcl and machines.tcl are. If not set it defaults to \$YADA\_PATH/etc. If the directory is not existing it will be created.
- **YADA\_DATA** : This is the path where the database of your experiments is put. Use the value of this variable in experiments.tcl to organize the data hierarchy properly from here on. If this variable is not set it defaults to \$YADA\_PATH/data. A non existing directory location is tried to be created.
- **YADA\_GRAMMARS** : This is the location where your dedicated CDG grammar copies might be put to. If the variable is not set, it defaults to \$YADA\_PATH/grammars. If the location still does not exist, YADA will refuse to start.
- **YADA\_TMP** : Here YADA and possibly you, the user might put temporarily files. Could easily be of the value /tmp but defaults to \$YADA\_PATH/tmp if not set.
- **YADA\_CDGP** : This is the full path to a default cdgp binary.
- **YADA\_EDITOR** : This is the command to start your favorit editor, that YADA should adress in case of.

## 1.5 Bug Tracking

See <http://nats-wiki.informatik.uni-hamburg.de/twiki/bin/view/Papa/Yada-Tracking>

## 1.6 Coding and documenting style

Ok, what's to say about coding? Most of the time too much and oneself is leaving such a guide over the time. Here are my 2cent coding style guidelines I tried to follow til now in YADA:

- all classes are defined in a separate file, no two or more classes in one file.
- yada classes are named using the Yada prefix
- if a class used in YADA is not named with the prefix Yada, then this has the simple reason that these classes are borrowed from somewhere else or are useable outside of YADA aswell (example: [FileSelector](#))
- private class members, i.e. methods, procs and variables start with a \_ (underscore)
- try to think about the logical entity a new class belongs to and add it to a module (using the grouping commands in doxygen)

Hm, I'll add more if I come accross something important enuf to be mentioned here.

## 1.7 Copyright

Copyright (C) 1997-2004 The CDG Team <[cdg@nats.informatik.uni-hamburg.de](mailto:cdg@nats.informatik.uni-hamburg.de)>

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This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.



## Chapter 2

# YADA Module Index

### 2.1 YADA Modules

Here is a list of all modules:

YadaDocuments - embedded objects . . . . .	<a href="#">15</a>
YadaConfiguration - managing configurations . . . . .	<a href="#">16</a>
YadaRunnableDocuments - also called active documents . . . . .	<a href="#">17</a>
YadaScheduler - the data workhorse . . . . .	<a href="#">18</a>



## Chapter 3

# YADA Hierarchical Index

### 3.1 YADA Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Archetype	
itk::Toplevel	
Archetype	
itk::Widget	
MyTable . . . . .	35
Dialog	
YadaAbout . . . . .	56
Dialog	
ListDialog . . . . .	32
Dialog	
iwidgets::Messagedialog	
Dialogshell	
iwidgets::Dialog	
itk::Widget	
iwidgets::Pushbutton	
iwidgets::Scrolledcanvas	
iwidgets::Scrolledwidget	
iwidgets::Shell	
Labeledwidget	
iwidgets::Scrolledwidget	
iwidgets::Scrolledcanvas	
VisDirectory . . . . .	46
Process . . . . .	41
CdgProcess . . . . .	22
Scrolledtext	
YadaLog . . . . .	158
Scrolledwidget	
iwidgets::Scrolledtext	
Shell	
iwidgets::Dialogshell	
Toplevel	
iwidgets::Shell	
FileSelector . . . . .	27

Toplevel	
Balloon . . . . .	19
VisFile . . . . .	52
Widget	
YadaMain . . . . .	175
Widget	
YadaDocument . . . . .	90
YadaConfig . . . . .	57
YadaRanking . . . . .	221
YadaRunnableDocument . . . . .	233
YadaDifference . . . . .	73
YadaGlsStats . . . . .	118
YadaOneOnOne . . . . .	199
YadaRunner . . . . .	249
YadaStartUp . . . . .	267
Widget	
YadaConfigDocument . . . . .	63
YadaExperiments . . . . .	103
YadaGrammars . . . . .	139
YadaMachines . . . . .	167
YadaMethods . . . . .	191
Widget	
YadaJudgeBar . . . . .	155
Widget	
YadaGenerals . . . . .	112
Widget	
iwidgets::Pushbutton	
FlatButton . . . . .	31
Widget	
iwidgets::Labeledwidget	
YadaConfigItem . . . . .	71
YadaExperiment . . . . .	97
YadaGrammar . . . . .	133
YadaMachine . . . . .	161
YadaMethod . . . . .	183
YadaImages . . . . .	150
YadaJob . . . . .	151
YadaPlainDocument . . . . .	216
YadaConfigDocument . . . . .	63
YadaDocument . . . . .	90
YadaGenerals . . . . .	112
YadaWordgraph . . . . .	273

## Chapter 4

# YADA Class Index

### 4.1 YADA Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Balloon	19
CdgProcess	22
FileSelector	27
FlatButton	31
ListDialog	32
MyTable	35
Process	41
VisDirectory	46
VisFile	52
YadaAbout	56
YadaConfig	57
YadaConfigDocument	63
YadaConfigItem	71
YadaDifference	73
YadaDocument	90
YadaExperiment	97
YadaExperiments	103
YadaGenerals	112
YadaGlsStats	118
YadaGrammar	133
YadaGrammars	139
YadaImages	150
YadaJob	151
YadaJudgeBar	155
YadaLog	158
YadaMachine	161
YadaMachines	167
YadaMain	175
YadaMethod	183
YadaMethods	191
YadaOneOnOne	199
YadaPlainDocument	216
YadaRanking	221

<a href="#">YadaRunnableDocument</a>	233
<a href="#">YadaRunner</a>	249
<a href="#">YadaStartUp</a>	267
<a href="#">YadaWordgraph</a>	273

## Chapter 5

# YADA File Index

### 5.1 YADA File List

Here is a list of all documented files with brief descriptions:

<b>Balloon.tcl</b>	??
<a href="#">bugfixes.tcl</a>	277
<b>CdgProcess.tcl</b>	??
<b>FileSelector.tcl</b>	??
<b>FlatButton.tcl</b>	??
<a href="#">itcl-hierarchy.tcl</a>	278
<b>ListDialog.tcl</b>	??
<b>MyTable.tcl</b>	??
<b>Process.tcl</b>	??
<b>VisDirectory.tcl</b>	??
<b>VisFile.tcl</b>	??
<a href="#">yada.tcl</a>	279
<b>YadaAbout.tcl</b>	??
<b>YadaConfig.tcl</b>	??
<b>YadaConfigDocument.tcl</b>	??
<b>YadaConfigItem.tcl</b>	??
<b>YadaDifference.tcl</b>	??
<b>YadaDocument.tcl</b>	??
<b>YadaExperiment.tcl</b>	??
<b>YadaExperiments.tcl</b>	??
<b>YadaGenerals.tcl</b>	??
<b>YadaGlsStats.tcl</b>	??
<b>YadaGrammar.tcl</b>	??
<b>YadaGrammars.tcl</b>	??
<b>YadaImages.tcl</b>	??
<b>YadaJob.tcl</b>	??
<b>YadaJudgeBar.tcl</b>	??
<b>YadaLog.tcl</b>	??
<b>YadaMachine.tcl</b>	??
<b>YadaMachines.tcl</b>	??
<b>YadaMain.tcl</b>	??
<b>YadaMethod.tcl</b>	??
<b>YadaMethods.tcl</b>	??

<b>YadaOneOnOne.tcl</b>	??
<b>YadaOptions.tcl</b>	??
<b>YadaPlainDocument.tcl</b>	??
<a href="#">YadaProc.tcl</a>	280
<b>YadaRanking.tcl</b>	??
<b>YadaRunnableDocument.tcl</b>	??
<b>YadaRunner.tcl</b>	??
<b>YadaStartUp.tcl</b>	??
<b>YadaWordgraph.tcl</b>	??

## Chapter 6

# YADA Page Index

### 6.1 YADA Related Pages

Here is a list of all related documentation pages:

    Todo List . . . . . [283](#)



## Chapter 7

# YADA Module Documentation

### 7.1 YadaDocuments - embedded objects

#### 7.1.1 Detailed Description

This module groups together all classes that form the so called YadaDocuments. In here we'd like to further separate two groups of documents: the YadaConfiguration, dealing with configuration and the YadaRunnableDocuments which are in a way active as they are used to generate the data they consist of. The YadaDocuments left here are either abstract or not in the sense active as runnable documents are meant to be. So the [YadaRanking](#) for example does not spawn YadaJobs on its own but collects all the data that once has been produced by YadaRunnableDocuments. Well and the [YadaStartUp](#) splash screen simply is temporarily embedded and removed at startup time in the same way as the normal documents are embedded into the gui.

#### Modules

- group [YadaConfiguration](#) - managing configurations
- group [YadaRunnableDocuments](#) - also called active documents

#### Classes

- class [YadaDocument](#)
- class [YadaPlainDocument](#)
- class [YadaRanking](#)
- class [YadaStartUp](#)

## 7.2 YadaConfiguration - managing configurations

### 7.2.1 Detailed Description

This submodule spans the YadaDocuments that are used for configuring a set of [YadaConfigItem](#) objects like the [YadaExperiment](#), [YadaGrammar](#) or [YadaMachine](#) objects. [YadaConfigDocument](#) objects are not embedded into the application directly like the other YadaDocuments but first into a [YadaConfig](#) object. The [YadaConfigDocument](#) objects themselves are therefore not freely instanciateable as the YadaRunnableDocuments as we always need access to the objects starting via the [YadaConfig](#) gui. [YadaConfigDocument](#) contain a set of [YadaConfigItem](#) objects. And in the case of the CDG grammars we have configurations object inside the [YadaGrammar](#), that is the [YadaWordgraph](#) objects.

### Classes

- class [YadaConfig](#)
- class [YadaConfigDocument](#)
- class [YadaConfigItem](#)
- class [YadaExperiment](#)
- class [YadaExperiments](#)
- class [YadaGrammar](#)
- class [YadaGrammars](#)
- class [YadaMachine](#)
- class [YadaMachines](#)
- class [YadaMethod](#)
- class [YadaMethods](#)
- class [YadaWordgraph](#)

## 7.3 YadaRunnableDocuments - also called active documents

### 7.3.1 Detailed Description

This group of classes are implementing so called documents that are *runnable*, that is with their help [Yada-Job](#) objects are generated and started on [YadaMachine](#) objects.

#### Classes

- class [YadaDifference](#)
- class [YadaGlsStats](#)
- class [YadaOneOnOne](#)
- class [YadaRunner](#)

## 7.4 YadaScheduler - the data workhorse

### 7.4.1 Detailed Description

This module bundles the classes involved to start [YadaJob](#) objects on problem instances ([YadaWordgraph](#) objects), and span the workload on a set of machines.

#### Classes

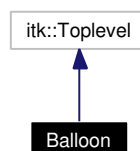
- class [CdgProcess](#)
- class [Process](#)
- class [YadaExperiment](#)
- class [YadaJob](#)
- class [YadaMachine](#)
- class [YadaMethod](#)

## Chapter 8

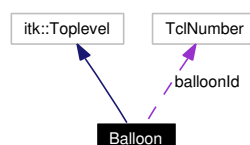
# YADA Class Documentation

### 8.1 Balloon Class Reference

Inheritance diagram for Balloon:



Collaboration diagram for Balloon:



#### 8.1.1 Detailed Description

Balloon - A tooltip class. This is a generic tooltip implementation. Just create a Balloon and switch it [on\(\)](#) now and then. A Balloon is displayed if the mouse pointer does not leave the area where it has been initialized within 200 milliseconds by default.

**Author:**

Michael Daum

**Id**

[Balloon.tcl](#),v 1.8 2004/02/25 14:42:08 micha Exp

Definition at line 22 of file Balloon.tcl.

## Public Member Functions

- [Balloon](#) (TclList args)
- **delay** (TclNumber value=200)
- [off](#) ()
- [on](#) (TclNumber x, TclNumber y, TclString text)

## Private Member Functions

- [\\_doit](#) (TclNumber x, TclNumber y)

## Private Attributes

- TclNumber [balloonId](#) = 0

## 8.1.2 Constructor & Destructor Documentation

### 8.1.2.1 Balloon::Balloon (TclList args)

constructor

Definition at line 42 of file Balloon.tcl.

## 8.1.3 Member Function Documentation

### 8.1.3.1 Balloon::\_doit (TclNumber x, TclNumber y) [private]

do the actual display. This method is only called by [Balloon::on\(\)](#) when the tcl loop gets idle.

#### Parameters:

- x* the x coordinate where the balloon will be displayed
- y* the y coordinate where the balloon will be displayed

Definition at line 90 of file Balloon.tcl.

### 8.1.3.2 Balloon::off ()

hide a tooltip. Call this method to switch off the tooltip balloon. Definition at line 69 of file Balloon.tcl.

### 8.1.3.3 Balloon::on (TclNumber x, TclNumber y, TclString text)

show a tooltip. This method actually displays a tooltip with a certain message and position.

#### Parameters:

- x* the x coordinate where the balloon will be displayed
- y* the y coordinate where the balloon will be displayed
- text* the message text to be shown inside the tooltip

Definition at line 125 of file Balloon.tcl.

## 8.1.4 Member Data Documentation

### 8.1.4.1 TclNumber `Balloon::balloonId` = 0 [private]

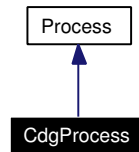
id of the background job. When a balloon is going to be displayed we spawn a job with *after* and store the job id in this variable. Definition at line 36 of file Balloon.tcl.

The documentation for this class was generated from the following file:

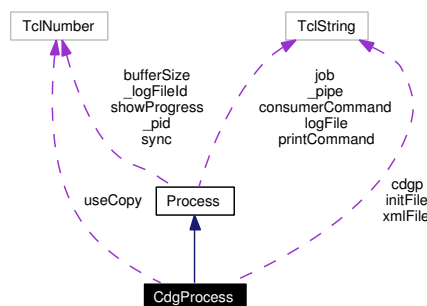
- Balloon.tcl

## 8.2 CdgProcess Class Reference

Inheritance diagram for CdgProcess:



Collaboration diagram for CdgProcess:



### 8.2.1 Detailed Description

**CdgProcess** - interface for a cdgp process. This class wraps around a cdgp command spawned in the background and tries to provide all you need to handle a cdgp job. The class communicates with the cdgp job connecting to its STDIN and reads back all its output on STDOUT.

#### Author:

Michael Daum

#### Id

[CdgProcess.tcl](#),v 1.14 2004/07/13 13:32:27 micha Exp

Definition at line 22 of file `CdgProcess.tcl`.

### Public Member Functions

- [CdgProcess](#) (TclList args)
- [getJobState](#) ()
- [getPassedJobStates](#) ()
- [getPid](#) ()
- [interrupt](#) ()
- [isAlive](#) ()
- [kill](#) ()
- [nice](#) (TclNumber prio=10)
- [signal](#) (TclNumber signo)
- [start](#) (TclString command="")

- [stop](#) ()
- [tell](#) (TclList args)
- [term](#) ()
- [wait](#) ()
- [~CdgProcess](#) ()

## Public Attributes

- TclNumber **bufferSize** = 81920
- TclString [cdgp](#) = ""
- TclString **consumerCommand** = ""
- TclString [initFile](#) = ""
- TclString **job** = ""
- TclString **logFile** = ""
- TclString **printCommand** = ""
- TclNumber [showProgress](#) = 0
- TclNumber **sync** = 0
- TclNumber [useCopy](#) = 0
- TclString [xmlFile](#) = ""

## Protected Member Functions

- [\\_print](#) (TclString text)

## 8.2.2 Constructor & Destructor Documentation

### 8.2.2.1 CdgProcess::CdgProcess (TclList args)

constructor. This constructor builds a cdgp wrapper object. If you don't specify a cdgp binary yourself (with `-cdgp "/here/is/cdgp"`), we assume the binary to be in `"$env(YADA_TMP)/cdgp-[pid]"`. Definition at line 59 of file CdgProcess.tcl.

### 8.2.2.2 CdgProcess::~CdgProcess ()

destructor. Before we leave we remove the private copy of the cdgp binary iff `useCopy` is true. Definition at line 82 of file CdgProcess.tcl.

## 8.2.3 Member Function Documentation

### 8.2.3.1 Process::\_print (TclString text) [protected, inherited]

[\\_print](#)

Definition at line 198 of file Process.tcl.

### 8.2.3.2 Process::getJobState () [inherited]

[getJobState](#)

Definition at line 326 of file Process.tcl.

**8.2.3.3 Process::getPassedJobStates () [inherited]**

getPassedJobStates

Definition at line 336 of file Process.tcl.

**8.2.3.4 Process::getPid () [inherited]**

getPid

Definition at line 128 of file Process.tcl.

References Process::start().

**8.2.3.5 Process::interrupt () [inherited]**

interrupt

Definition at line 260 of file Process.tcl.

References Process::term().

**8.2.3.6 Process::isAlive () [inherited]**

isAlive

Definition at line 220 of file Process.tcl.

**8.2.3.7 Process::kill () [inherited]**

kill

Definition at line 274 of file Process.tcl.

References Process::signal().

Referenced by Process::term().

**8.2.3.8 Process::nice (TclNumber *prio* = 10) [inherited]**

nice

Definition at line 315 of file Process.tcl.

**8.2.3.9 Process::signal (TclNumber *signo*) [inherited]**

signal

Definition at line 281 of file Process.tcl.

Referenced by Process::kill().

**8.2.3.10 CdgProcess::start (TclString *command* = " ")**

start the cdgp process. This forks the cdgp in the background, which is actually done in [Process::start\(\)](#).

**Parameters:**

*command* this lets you overwrite the command given in [CdgProcess::cdgp](#).

Reimplemented from [Process](#).

Definition at line 95 of file CdgProcess.tcl.

References [start\(\)](#).

Referenced by [start\(\)](#).

**8.2.3.11 CdgProcess::stop () [virtual]**

stop the cdgp process. This method stops a started cdgp process and gzips the xmllogfile. Afterwards [Process::stop\(\)](#) is called to finalize everything. There the job scheduled to be *consumed*.

Reimplemented from [Process](#).

Definition at line 129 of file CdgProcess.tcl.

References [stop\(\)](#).

Referenced by [stop\(\)](#).

**8.2.3.12 Process::tell (TclList args) [inherited]**

tell

Definition at line 292 of file Process.tcl.

**8.2.3.13 Process::term () [inherited]**

term

Definition at line 267 of file Process.tcl.

References [Process::kill\(\)](#).

Referenced by [Process::interrupt\(\)](#).

**8.2.3.14 Process::wait () [inherited]**

wait

Definition at line 209 of file Process.tcl.

**8.2.4 Member Data Documentation****8.2.4.1 TclString [CdgProcess::cdgp](#) = ""**

binary location. This variable stores the absolute path to the cdgp binary that we wrap around. Definition at line 41 of file CdgProcess.tcl.

**8.2.4.2 TclString [CdgProcess::initFile](#) = ""**

if you like to call cdgp with an init file (-i commandline option), put that filename in here. Definition at line 32 of file CdgProcess.tcl.

**8.2.4.3 [Process::showProgress](#) = 0 [inherited]**

callback for [Process::showProgress](#) showProgress Definition at line 347 of file Process.tcl.

**8.2.4.4 TclNumber [CdgProcess::useCopy](#) = 0**

binary copy usage. This flag indicates whether to use a private copy of the cdgp binary in a temp directory or not. Definition at line 37 of file CdgProcess.tcl.

**8.2.4.5 TclString [CdgProcess::xmlFile](#) = ""**

the file where to store the xml output of the logfile

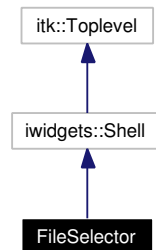
Definition at line 28 of file CdgProcess.tcl.

The documentation for this class was generated from the following file:

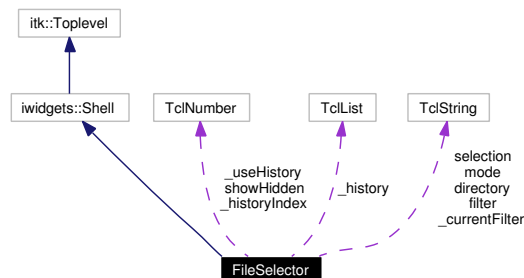
- CdgProcess.tcl

## 8.3 FileSelector Class Reference

Inheritance diagram for FileSelector:



Collaboration diagram for FileSelector:



### 8.3.1 Detailed Description

FileSelector - dialog to select files and directories. This class implements an improved file selection dialog using the classes [VisDirectory](#) and [VisFile](#).

#### Author:

Michael Daum

#### Id

[FileSelector.tcl](#), v 1.12 2004/02/25 14:42:08 micha Exp

Definition at line 20 of file FileSelector.tcl.

### Public Member Functions

- [activate](#) (TclList args)
- [FileSelector](#) (TclList args)
- [show](#) (TclString dirName="")

### Public Attributes

- TclString **directory** = ""
- TclString **filter** = "\*"

- TclString **mode** = "multi"
- TclString **selection** = ""
- TclNumber **showHidden** = 0

### Private Member Functions

- [\\_backwardHistory \(\)](#)
- [\\_cancelCommand \(\)](#)
- [\\_chdirHandle \(\)](#)
- [\\_deleteCommand \(\)](#)
- [\\_directoryCommand \(\)](#)
- [\\_forwardHistory \(\)](#)
- [\\_homeCommand \(\)](#)
- [\\_newCommand \(\)](#)
- [\\_okCommand \(\)](#)
- [\\_reloadCommand \(\)](#)
- [\\_selectHandle \(\)](#)
- [\\_selectionCommand \(\)](#)
- [\\_upCommand \(\)](#)
- [\\_updateHistory \(\)](#)

### Private Attributes

- TclString **\_currentFilter** = "\*"
- TclList **\_history** = { }
- TclNumber **\_historyIndex** = 0
- TclNumber **\_useHistory** = 1

## 8.3.2 Constructor & Destructor Documentation

### 8.3.2.1 FileSelector::FileSelector (TclList *args*)

constructor

Definition at line 63 of file FileSelector.tcl.

## 8.3.3 Member Function Documentation

### 8.3.3.1 FileSelector::\_backwardHistory () [private]

[\\_backwardHistory](#)

Definition at line 357 of file FileSelector.tcl.

### 8.3.3.2 FileSelector::\_cancelCommand () [private]

[\\_cancelCommand](#)

Definition at line 238 of file FileSelector.tcl.

**8.3.3.3 FileSelector::\_chdirHandle () [private]**

\_chdirHandle

Definition at line 261 of file FileSelector.tcl.

Referenced by \_homeCommand().

**8.3.3.4 FileSelector::\_deleteCommand () [private]**

\_deleteCommand

Definition at line 485 of file FileSelector.tcl.

**8.3.3.5 FileSelector::\_directoryCommand () [private]**

\_directoryCommand

Definition at line 247 of file FileSelector.tcl.

References \_homeCommand().

**8.3.3.6 FileSelector::\_forwardHistory () [private]**

\_forwardHistory

Definition at line 389 of file FileSelector.tcl.

**8.3.3.7 FileSelector::\_homeCommand () [private]**

\_homeCommand

Definition at line 254 of file FileSelector.tcl.

References \_chdirHandle().

Referenced by \_directoryCommand().

**8.3.3.8 FileSelector::\_newCommand () [private]**

\_newCommand

Definition at line 478 of file FileSelector.tcl.

**8.3.3.9 FileSelector::\_okCommand () [private]**

\_okCommand

Definition at line 219 of file FileSelector.tcl.

**8.3.3.10 FileSelector::\_reloadCommand () [private]**

\_reloadCommand

Definition at line 294 of file FileSelector.tcl.

**8.3.3.11 FileSelector::\_selectHandle () [private]**

\_selectHandle

Definition at line 441 of file FileSelector.tcl.

**8.3.3.12 FileSelector::\_selectionCommand () [private]**

\_selectionCommand

Definition at line 468 of file FileSelector.tcl.

**8.3.3.13 FileSelector::\_upCommand () [private]**

\_upCommand

Definition at line 303 of file FileSelector.tcl.

**8.3.3.14 FileSelector::\_updateHistory () [private]**

\_updateHistory

Definition at line 311 of file FileSelector.tcl.

**8.3.3.15 FileSelector::activate (TclList *args*)**

activate

Definition at line 455 of file FileSelector.tcl.

**8.3.3.16 FileSelector::show (TclString *dirName* = " ")**

show

Definition at line 422 of file FileSelector.tcl.

**8.3.4 Member Data Documentation****8.3.4.1 FileSelector::filter = "\*" FileSelector::filter = "\*"** 

-filter

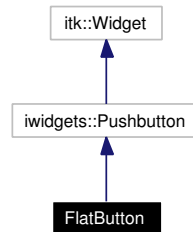
Definition at line 507 of file FileSelector.tcl.

The documentation for this class was generated from the following file:

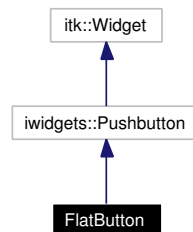
- FileSelector.tcl

## 8.4 FlatButton Class Reference

Inheritance diagram for FlatButton:



Collaboration diagram for FlatButton:



### 8.4.1 Detailed Description

FlatButton - a flatened pushbutton. This is just a button with a more KDEish look and feel mainly used in the toolbars.

**Author:**

Michael Daum

**Id**

[FlatButton.tcl](#),v 1.8 2004/02/25 14:42:09 micha Exp

Definition at line 20 of file FlatButton.tcl.

### Private Member Functions

- [FlatButton](#) (TclList args)

### 8.4.2 Constructor & Destructor Documentation

#### 8.4.2.1 FlatButton::FlatButton (TclList args) [private]

constructor

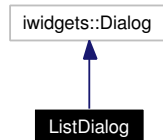
Definition at line 28 of file FlatButton.tcl.

The documentation for this class was generated from the following file:

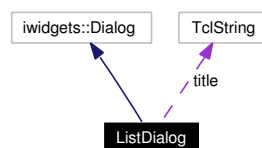
- FlatButton.tcl

## 8.5 ListDialog Class Reference

Inheritance diagram for ListDialog:



Collaboration diagram for ListDialog:



### 8.5.1 Detailed Description

ListDialog - a dialog embedding a list. This dialog is used to temporarily display a list of objects. In [YadaRanking](#) data files with errors are displayed after a load action.

#### Author:

Michael Daum

#### Id

[ListDialog.tcl](#), v 1.7 2004/02/25 14:42:08 micha Exp

Definition at line 26 of file `ListDialog.tcl`.

### Public Member Functions

- [activate](#) ()
- [get](#) ()
- [insert](#) (TclString component, TclList args)
- [ListDialog](#) (TclList args)

### Public Attributes

- TclString [title](#) = ""

### Private Member Functions

- [\\_cancelAction](#) ()
- [\\_okAction](#) ()
- [\\_selectionAction](#) ()

## 8.5.2 Constructor & Destructor Documentation

### 8.5.2.1 ListDialog::ListDialog (TclList args)

constructor

Definition at line 49 of file ListDialog.tcl.

## 8.5.3 Member Function Documentation

### 8.5.3.1 ListDialog::\_cancelAction () [private]

cancel slot. This method is deactivating the dialog returning a value of 0 to the call that opened the dialog.

See also:

[activate\(\)](#)

Definition at line 114 of file ListDialog.tcl.

### 8.5.3.2 ListDialog::\_okAction () [private]

ok slot. This method is called when the OK button is pressed or a listed item is double-clicked. Afterwards the dialog is deactivated returning a value of 1 to the activating call.

See also:

[activate\(\)](#)

Definition at line 104 of file ListDialog.tcl.

Referenced by `_selectionAction()`.

### 8.5.3.3 ListDialog::\_selectionAction () [private]

selection slot. When one of the listed items is selected then this action is fired.

**Todo**

not yet implemented

Definition at line 94 of file ListDialog.tcl.

References `_okAction()`.

### 8.5.3.4 ListDialog::activate ()

activate the dialog object. This method calls `Shell:activate()` after centering the dialog on the master of this widget.

**Returns:**

0 or 1 depending on the users selection.

See also:

[\\_okAction\(\)](#), [\\_cancelAction\(\)](#)

Definition at line 125 of file ListDialog.tcl.

#### 8.5.3.5 ListDialog::get ()

get the current selection. This method returns the selected items from the list component.

**Returns:**

a list of list items..

Definition at line 147 of file ListDialog.tcl.

#### 8.5.3.6 ListDialog::insert (TclString *component*, TclList *args*)

delegate insert to a component. This method is mainly used to insert an item to the list component of this widget.

**Parameters:**

*component* the name of the component, i.e. "list"

*args* the list of things to be inserted into the *component*

Definition at line 138 of file ListDialog.tcl.

### 8.5.4 Member Data Documentation

#### 8.5.4.1 ListDialog::title = ""

title of the dialog

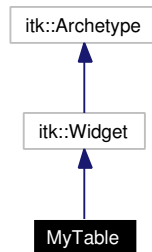
Definition at line 159 of file ListDialog.tcl.

The documentation for this class was generated from the following file:

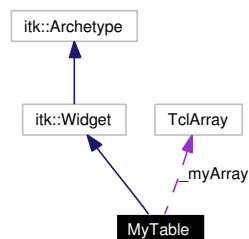
- ListDialog.tcl

## 8.6 MyTable Class Reference

Inheritance diagram for MyTable:



Collaboration diagram for MyTable:



### 8.6.1 Detailed Description

MyTable - OO wrapper for tktable. Some time ago Jeffrey Hobbs, the maintainer of tktable, discontinued the OO wrapper for this marvelous widget. So here is my version of it. Its main purpose is to delegate calls from MyTable to the embedded table component.

There are some value addons that have been done ontop, that is

- the table is sortable ([MyTable::sortRows\(\)](#))
- clearing table cells is easier ([MyTable::erase\(\)](#))
- provide an array to store the table content
- vertical and horizontal scrollbars
- table rows are colored
- an improved widget layout

#### Author:

Michael Daum

#### Id

[MyTable.tcl](#), v 1.12 2004/02/25 14:42:09 micha Exp

Definition at line 30 of file MyTable.tcl.

## Public Member Functions

- [activate](#) (TclList args)
- [childsite](#) ()
- [clear](#) (TclList args)
- [cols](#) (TclNumber value=10)
- [curselection](#) (TclList args)
- [delete](#) (TclList args)
- [erase](#) (CellSpec fromCell, CellSpec toCell)
- [getCell](#) (TclList args)
- [hscrollmode](#) (TclString value="static")
- [hset](#) (TclList args)
- [icursor](#) (TclList args)
- [index](#) (TclList args)
- [insert](#) (TclList args)
- [MyTable](#) (TclList args)
- [outerborderwidth](#) (TclNumber value=2)
- [outerrelief](#) (TclString value="sunk")
- [print](#) ()
- [rows](#) (TclNumber value=20)
- [see](#) (TclList args)
- [selbackground](#) (TclString value="gray50")
- [selection](#) (TclList args)
- [selfforeground](#) (TclString value="yellow")
- [setCell](#) (TclList args)
- [sortRows](#) (TclNumber index, TclList args)
- [spans](#) (TclList args)
- [state](#) (TclString value="disabled")
- [tag](#) (TclList args)
- [troughcolor](#) (TclString value="gray")
- [vscrollmode](#) (TclString value="static")
- [vset](#) (TclList args)
- [width](#) (TclList args)
- [xview](#) (TclList args)
- [yview](#) (TclList args)

## Private Member Functions

- [colorize](#) (TclNumber num)
- [resize](#) ()

## Private Attributes

- TclArray [\\_myArray](#)

## 8.6.2 Constructor & Destructor Documentation

### 8.6.2.1 MyTable::MyTable (TclList args)

constructor

Definition at line 84 of file MyTable.tcl.

### 8.6.3 Member Function Documentation

#### 8.6.3.1 MyTable::activate (TclList *args*)

delegate the activate command to the table

Definition at line 343 of file MyTable.tcl.

#### 8.6.3.2 MyTable::childsite ()

retrieve the table component.

**Returns:**

the widget path to the tktable

Definition at line 268 of file MyTable.tcl.

#### 8.6.3.3 MyTable::clear (TclList *args*)

clear

Definition at line 260 of file MyTable.tcl.

#### 8.6.3.4 MyTable::colorize (TclNumber *num*) [private]

rowtag callback of the table. This method is called whenever the tktable component needs a tag for a table row. Definition at line 210 of file MyTable.tcl.

#### 8.6.3.5 MyTable::cols (TclNumber *value* = 10)

itk\_option -cols. configure the number of cols of the table Definition at line 486 of file MyTable.tcl.

#### 8.6.3.6 MyTable::curselection (TclList *args*)

delegate the curselection command to the table

Definition at line 364 of file MyTable.tcl.

#### 8.6.3.7 MyTable::delete (TclList *args*)

delegate the delete command to the table

Definition at line 329 of file MyTable.tcl.

#### 8.6.3.8 MyTable::erase (CellSpec *fromCell*, CellSpec *toCell*)

erase table cells. This method clears the content between two cell specifications by directly manipulating the `_myArray`. A cell specification has the format "*row,col*", where *row* and *col* are integers.

**Parameters:**

*fromCell* the cell which is the first to be cleared

*toCell* the cell which is the last to be cleared

Definition at line 234 of file MyTable.tcl.

#### **8.6.3.9 MyTable::getCell (TclList args)**

get a value of a table-cell

Definition at line 336 of file MyTable.tcl.

#### **8.6.3.10 MyTable::hscrollmode (TclString value = "static")**

itk\_option -hscrollmode. Enable/disable display and mode of horizontal scrollbar. Definition at line 442 of file MyTable.tcl.

#### **8.6.3.11 MyTable::hset (TclList args)**

delegate the set command to the horizontal scrollbar.

Definition at line 181 of file MyTable.tcl.

#### **8.6.3.12 MyTable::icursor (TclList args)**

delegate the icursor command to the table

Definition at line 350 of file MyTable.tcl.

#### **8.6.3.13 MyTable::index (TclList args)**

delegate the index command to the table

Definition at line 315 of file MyTable.tcl.

#### **8.6.3.14 MyTable::insert (TclList args)**

delegate the insert command to the table

Definition at line 322 of file MyTable.tcl.

#### **8.6.3.15 MyTable::print ()**

print the stored data. This simply calls parray on the \_myArray variable. Definition at line 222 of file MyTable.tcl.

#### **8.6.3.16 MyTable::resize () [private]**

propagate table resizing to the scrollbars.

Definition at line 188 of file MyTable.tcl.

**8.6.3.17 MyTable::rows (TclNumber *value* = 20)**

itk\_option -rows. configure the number of rows of the table Definition at line 477 of file MyTable.tcl.

**8.6.3.18 MyTable::selbackground (TclString *value* = "gray50")**

itk\_option -selbackground. set the color of the selected row Definition at line 468 of file MyTable.tcl.

**8.6.3.19 MyTable::selection (TclList *args*)**

delegate the selection command to the table.

Definition at line 289 of file MyTable.tcl.

**8.6.3.20 MyTable::selforeground (TclString *value* = "yellow")**

itk\_option -selforeground. set the color of the selected row Definition at line 459 of file MyTable.tcl.

**8.6.3.21 MyTable::setCell (TclList *args*)**

delegate the set command to the table

Definition at line 296 of file MyTable.tcl.

**8.6.3.22 MyTable::sortRows (TclNumber *index*, TclList *args*)**

sort the table rows in the given column. This method sorts the table along the column given by the parameter *index*. The sorting itself is the done by a `lsort` command

**Parameters:**

*index* the column which along which the table is sorted

*args* the arguments for the `lsort` command

Definition at line 375 of file MyTable.tcl.

**8.6.3.23 MyTable::spans (TclList *args*)**

delegate the spans command to the table

Definition at line 357 of file MyTable.tcl.

**8.6.3.24 MyTable::tag (TclList *args*)**

delegate the tag command to the table

Definition at line 275 of file MyTable.tcl.

**8.6.3.25 MyTable::troughcolor (TclString *value* = "gray")**

itk\_option -troughcolor. set the troughcolor of the scollbars Definition at line 416 of file MyTable.tcl.

**8.6.3.26 MyTable::vscrollmode (TclString *value* = "static")**

itk\_option -vscrollmode. Enable/disable display and mode of vertical scrollbar. Definition at line 425 of file MyTable.tcl.

**8.6.3.27 MyTable::vset (TclList *args*)**

delegate the set command to the vertical scrollbar.

Definition at line 174 of file MyTable.tcl.

**8.6.3.28 MyTable::width (TclList *args*)**

delegate the width command to the table

Definition at line 308 of file MyTable.tcl.

**8.6.3.29 MyTable::xview (TclList *args*)**

xview.

Definition at line 160 of file MyTable.tcl.

**8.6.3.30 MyTable::yview (TclList *args*)**

yview

Definition at line 167 of file MyTable.tcl.

**8.6.4 Member Data Documentation****8.6.4.1 TclArray [MyTable::\\_myArray](#) [private]**

storage for the table content.

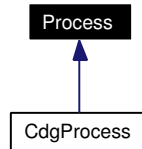
Definition at line 78 of file MyTable.tcl.

The documentation for this class was generated from the following file:

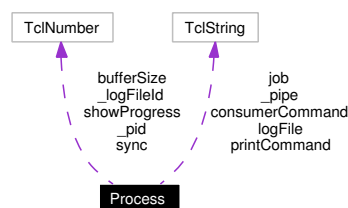
- MyTable.tcl

## 8.7 Process Class Reference

Inheritance diagram for Process:



Collaboration diagram for Process:



### 8.7.1 Detailed Description

Process - interface for a forked process.

#### Author:

Michael Daum

#### Id

[Process.tcl](#), v 1.16 2004/10/15 17:21:57 micha Exp

Definition at line 19 of file `Process.tcl`.

### Public Member Functions

- [getJobState](#) ()
- [getPassedJobStates](#) ()
- [getPid](#) ()
- [interrupt](#) ()
- [isAlive](#) ()
- [kill](#) ()
- [nice](#) (TclNumber prio=10)
- [Process](#) (TclList args)
- [signal](#) (TclNumber signo)
- [start](#) (TclString command)
- virtual [stop](#) ()
- [tell](#) (TclList args)
- [term](#) ()
- [wait](#) ()
- [~Process](#) ()

## Public Attributes

- TclNumber **bufferSize** = 81920
- TclString **consumerCommand** = ""
- TclString **job** = ""
- TclString **logFile** = ""
- TclString **printCommand** = ""
- TclNumber **showProgress** = 0
- TclNumber **sync** = 0

## Protected Member Functions

- [\\_print](#) (TclString text)

## Private Member Functions

- [\\_readPipe](#) ()

## Private Attributes

- TclNumber **\_logFileId** = -1
- TclNumber **\_pid** = -1
- TclString **\_pipe** = ""

## 8.7.2 Constructor & Destructor Documentation

### 8.7.2.1 Process::Process (TclList *args*)

constructor

Definition at line 65 of file Process.tcl.

### 8.7.2.2 Process::~~Process ()

destructor

Definition at line 73 of file Process.tcl.

## 8.7.3 Member Function Documentation

### 8.7.3.1 Process::\_print (TclString *text*) [protected]

[\\_print](#)

Definition at line 198 of file Process.tcl.

**8.7.3.2 Process::\_readPipe () [private]**

\_readPipe

Definition at line 170 of file Process.tcl.

Referenced by stop().

**8.7.3.3 Process::getJobState ()**

getJobState

Definition at line 326 of file Process.tcl.

**8.7.3.4 Process::getPassedJobStates ()**

getPassedJobStates

Definition at line 336 of file Process.tcl.

**8.7.3.5 Process::getPid ()**

getPid

Definition at line 128 of file Process.tcl.

References start().

**8.7.3.6 Process::interrupt ()**

interrupt

Definition at line 260 of file Process.tcl.

References term().

**8.7.3.7 Process::isAlive ()**

isAlive

Definition at line 220 of file Process.tcl.

**8.7.3.8 Process::kill ()**

kill

Definition at line 274 of file Process.tcl.

References signal().

Referenced by term().

**8.7.3.9 Process::nice (TclNumber *prio* = 10)**

nice

Definition at line 315 of file Process.tcl.

#### **8.7.3.10 Process::signal (TclNumber *signo*)**

signal

Definition at line 281 of file Process.tcl.

Referenced by kill().

#### **8.7.3.11 Process::start (TclString *command*)**

start

Reimplemented in [CdgProcess](#).

Definition at line 135 of file Process.tcl.

Referenced by getpid().

#### **8.7.3.12 Process::stop () [virtual]**

stop

Reimplemented in [CdgProcess](#).

Definition at line 163 of file Process.tcl.

References \_readPipe().

#### **8.7.3.13 Process::tell (TclList *args*)**

tell

Definition at line 292 of file Process.tcl.

#### **8.7.3.14 Process::term ()**

term

Definition at line 267 of file Process.tcl.

References kill().

Referenced by interrupt().

#### **8.7.3.15 Process::wait ()**

wait

Definition at line 209 of file Process.tcl.

## 8.7.4 Member Data Documentation

### 8.7.4.1 `Process::showProgress = 0`

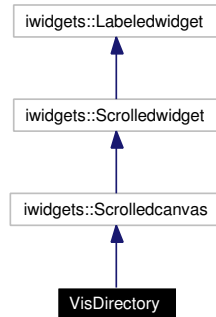
callback for `Process::showProgress` showProgress Definition at line 347 of file Process.tcl.

The documentation for this class was generated from the following file:

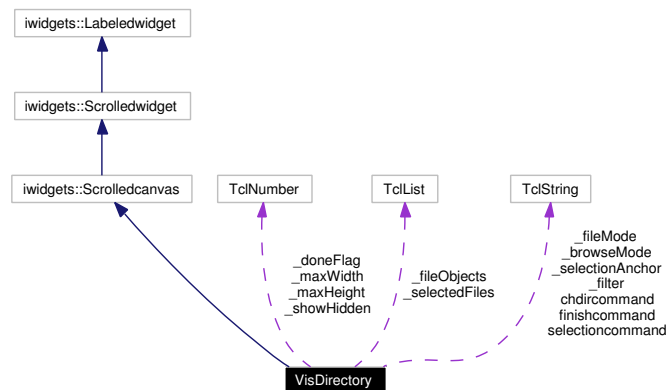
- Process.tcl

## 8.8 VisDirectory Class Reference

Inheritance diagram for VisDirectory:



Collaboration diagram for VisDirectory:



### 8.8.1 Detailed Description

VisDirectory - a directory browser

#### Author:

Michael Daum

#### Id

[VisDirectory.tcl](#), v 1.10 2004/02/25 14:42:09 micha Exp

Definition at line 18 of file VisDirectory.tcl.

### Public Member Functions

- [clearSelection](#) ()
- [getFilter](#) ()
- [getMaxFileHeight](#) ()
- [getMaxFileWidth](#) ()

- [getMode](#) ()
- [getSelection](#) ()
- [getShowHidden](#) ()
- [hide](#) ()
- [new](#) (TclString dirName="")
- [select](#) (TclList fileNames)
- [setFilter](#) (TclString filter)
- [setMode](#) (TclString mode)
- [setShowHidden](#) (TclNumber showHidden)
- [show](#) (TclString dirName)
- [VisDirectory](#) (TclList args)
- [~VisDirectory](#) ()

## Public Attributes

- TclString **chdircommand** = ""
- TclString **finishcommand** = ""
- TclString **selectioncommand** = ""

## Private Member Functions

- [\\_b1Click](#) ()
- [\\_cmpFiles](#) ([VisFile](#) fileObj1, [VisFile](#) fileObj2)
- [\\_ctrlB1Click](#) ()
- [\\_doubleB1Click](#) ()
- [\\_draw](#) ()
- [\\_entryAbortCommand](#) ()
- [\\_entryOkCommand](#) ()
- [\\_select](#) (TclList fileObjs)
- [\\_shiftB1Click](#) ()
- [\\_unselect](#) (TclList fileObjs)

## Private Attributes

- TclString **\_browseMode** = "multi"
- TclNumber **\_doneFlag** = 0
- TclString **\_fileMode** = "both"
- TclList **\_fileObjects** = { }
- TclString **\_filter** = "\*"
- TclNumber **\_maxHeight** = 0
- TclNumber **\_maxWidth** = 70
- TclList **\_selectedFiles** = { }
- TclString **\_selectionAnchor** = ""
- TclNumber **\_showHidden** = 1

## 8.8.2 Constructor & Destructor Documentation

### 8.8.2.1 VisDirectory::VisDirectory (TclList *args*)

constructor

Definition at line 74 of file VisDirectory.tcl.

### 8.8.2.2 VisDirectory::~~VisDirectory ()

destructor

Definition at line 101 of file VisDirectory.tcl.

References `hide()`.

## 8.8.3 Member Function Documentation

### 8.8.3.1 VisDirectory::\_b1Click () [private]

\_b1Click

Definition at line 329 of file VisDirectory.tcl.

### 8.8.3.2 VisDirectory::\_cmpFiles (VisFile *fileObj1*, VisFile *fileObj2*) [private]

\_cmpFiles

Definition at line 201 of file VisDirectory.tcl.

### 8.8.3.3 VisDirectory::\_ctrlB1Click () [private]

\_ctrlB1Click

Definition at line 308 of file VisDirectory.tcl.

### 8.8.3.4 VisDirectory::\_doubleB1Click () [private]

\_doubleB1Click

Definition at line 347 of file VisDirectory.tcl.

### 8.8.3.5 VisDirectory::\_draw () [private]

\_draw

Definition at line 236 of file VisDirectory.tcl.

### 8.8.3.6 VisDirectory::\_entryAbortCommand () [private]

\_entryAbortCommand

Definition at line 599 of file VisDirectory.tcl.

Referenced by `_entryOkCommand()`.

#### 8.8.3.7 VisDirectory::\_entryOkCommand () [private]

`_entryOkCommand`

Definition at line 592 of file `VisDirectory.tcl`.

References `_entryAbortCommand()`.

#### 8.8.3.8 VisDirectory::\_select (TclList *fileObjs*) [private]

`_select`

Definition at line 431 of file `VisDirectory.tcl`.

Referenced by `getShowHidden()`.

#### 8.8.3.9 VisDirectory::\_shiftB1Click () [private]

`_shiftB1Click`

Definition at line 275 of file `VisDirectory.tcl`.

#### 8.8.3.10 VisDirectory::\_unselect (TclList *fileObjs*) [private]

`_unselect`

Definition at line 451 of file `VisDirectory.tcl`.

#### 8.8.3.11 VisDirectory::clearSelection ()

`clearSelection`

Definition at line 382 of file `VisDirectory.tcl`.

References `getSelection()`.

Referenced by `getMaxFileHeight()`.

#### 8.8.3.12 VisDirectory::getFilter ()

`getFilter`

Definition at line 409 of file `VisDirectory.tcl`.

References `setShowHidden()`.

#### 8.8.3.13 VisDirectory::getMaxFileHeight ()

`getMaxFileHeight`

Definition at line 375 of file `VisDirectory.tcl`.

References `clearSelection()`.

Referenced by getMaxFileWidth().

#### **8.8.3.14 VisDirectory::getMaxFileWidth ()**

getMaxFileWidth

Definition at line 368 of file VisDirectory.tcl.

References getMaxFileHeight().

#### **8.8.3.15 VisDirectory::getMode ()**

getMode

Definition at line 472 of file VisDirectory.tcl.

References setMode().

#### **8.8.3.16 VisDirectory::getSelection ()**

getSelection

Definition at line 389 of file VisDirectory.tcl.

Referenced by clearSelection().

#### **8.8.3.17 VisDirectory::getShowHidden ()**

getShowHidden

Definition at line 424 of file VisDirectory.tcl.

References \_select().

#### **8.8.3.18 VisDirectory::hide ()**

hide

Definition at line 108 of file VisDirectory.tcl.

Referenced by ~VisDirectory().

#### **8.8.3.19 VisDirectory::new (TclString *dirName* = " ")**

new

Definition at line 541 of file VisDirectory.tcl.

#### **8.8.3.20 VisDirectory::select (TclList *fileNames*)**

select

Definition at line 523 of file VisDirectory.tcl.

**8.8.3.21 VisDirectory::setFilter (TclString *filter*)**

setFilter

Definition at line 401 of file VisDirectory.tcl.

**8.8.3.22 VisDirectory::setMode (TclString *mode*)**

set the selection mode. In effect the variables `_browseMode` and `_fileMode` are set.

**Parameters:**

*mode* possible values are

- multi: lets you select multiple files and directories
- single: lets you select one file or directory
- multidir: lets you select multiple directories
- multifile: lets you select multiple files
- singledir: lets you select one directory
- singlefile: lets you select one file

Definition at line 487 of file VisDirectory.tcl.

Referenced by `getMode()`.

**8.8.3.23 VisDirectory::setShowHidden (TclNumber *showHidden*)**

setShowHidden

Definition at line 416 of file VisDirectory.tcl.

Referenced by `getFilter()`.

**8.8.3.24 VisDirectory::show (TclString *dirName*)**

show

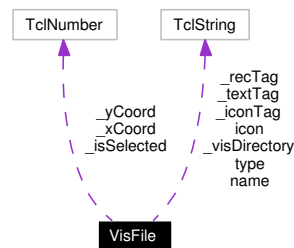
Definition at line 122 of file VisDirectory.tcl.

The documentation for this class was generated from the following file:

- VisDirectory.tcl

## 8.9 VisFile Class Reference

Collaboration diagram for VisFile:



### 8.9.1 Detailed Description

VisFile - visualisation of a file or directory. This class is mainly used by [VisDirectory](#).

#### Author:

Michael Daum

#### Id

[VisFile.tcl](#),v 1.9 2004/02/25 14:42:09 micha Exp

Definition at line 19 of file VisFile.tcl.

### Public Member Functions

- [getBBox](#) ()
- [getCoords](#) ()
- [getHeight](#) ()
- [getSelection](#) ()
- [getWidth](#) ()
- [hide](#) ()
- [setCoords](#) (TclNumber x, TclNumber y)
- [setSelection](#) (TclNumber value)
- [show](#) ()
- [VisFile](#) ([VisDirectory](#) visDir, TclList args)

### Public Attributes

- TclString [icon](#) = ""
- TclString [name](#) = ""
- TclString [type](#) = ""

## Private Attributes

- TclString `_iconTag` = ""
- TclNumber `_isSelected` = 0
- TclString `_recTag` = ""
- TclString `_textTag` = ""
- TclString `_visDirectory` = ""
- TclNumber `_xCoord` = -100
- TclNumber `_yCoord` = -100

## 8.9.2 Constructor & Destructor Documentation

### 8.9.2.1 VisFile::VisFile ([VisDirectory](#) *visDir*, TclList *args*)

constructor

Definition at line 74 of file VisFile.tcl.

## 8.9.3 Member Function Documentation

### 8.9.3.1 VisFile::getBBox ()

getBBox

Definition at line 177 of file VisFile.tcl.

References `getWidth()`.

Referenced by `getCoords()`.

### 8.9.3.2 VisFile::getCoords ()

getCoords

Definition at line 170 of file VisFile.tcl.

References `getBBox()`.

### 8.9.3.3 VisFile::getHeight ()

getHeight

Definition at line 194 of file VisFile.tcl.

### 8.9.3.4 VisFile::getSelection ()

getSelection

Definition at line 231 of file VisFile.tcl.

#### 8.9.3.5 VisFile::getWidth ()

getWidth

Definition at line 184 of file VisFile.tcl.

Referenced by getBBox().

#### 8.9.3.6 VisFile::hide ()

hide

Definition at line 120 of file VisFile.tcl.

#### 8.9.3.7 VisFile::setCoords (TclNumber *x*, TclNumber *y*)

setCoords

Definition at line 142 of file VisFile.tcl.

#### 8.9.3.8 VisFile::setSelection (TclNumber *value*)

set the selection state. This method changes the `_isSelected` state and configures the item accordingly in the `_visDirectory`.

##### Parameters:

*value* possible values are

- 1: marks the VisFile in the `_visDirectory`
- 0: unmarks the VisFile

Definition at line 209 of file VisFile.tcl.

#### 8.9.3.9 VisFile::show ()

show

Definition at line 84 of file VisFile.tcl.

### 8.9.4 Member Data Documentation

#### 8.9.4.1 TclString `VisFile::_iconTag` = "" [private]

icon item tag in the drawing canvas

Definition at line 47 of file VisFile.tcl.

#### 8.9.4.2 TclNumber `VisFile::_isSelected` = 0 [private]

flag indicating whether this file is being selected in a `VisDirectory`

Definition at line 44 of file VisFile.tcl.

**8.9.4.3** TclString [VisFile::\\_recTag](#) = "" [private]

rectangular item tag in the drawing canvas

Definition at line 53 of file VisFile.tcl.

**8.9.4.4** TclString [VisFile::\\_textTag](#) = "" [private]

text item tag in the drawing canvas

Definition at line 50 of file VisFile.tcl.

**8.9.4.5** TclString [VisFile::\\_visDirectory](#) = "" [private]

link to the [VisDirectory](#) that displays this file.

Definition at line 35 of file VisFile.tcl.

**8.9.4.6** TclNumber [VisFile::\\_xCoord](#) = -100 [private]

x position where this file is drawn

Definition at line 38 of file VisFile.tcl.

**8.9.4.7** TclNumber [VisFile::\\_yCoord](#) = -100 [private]

y position where this file is drawn

Definition at line 41 of file VisFile.tcl.

**8.9.4.8** TclString [VisFile::icon](#) = ""

icon used to represent this file in a [VisDirectory](#)

Definition at line 28 of file VisFile.tcl.

**8.9.4.9** TclString [VisFile::name](#) = ""

name of the file

Definition at line 25 of file VisFile.tcl.

**8.9.4.10** TclString [VisFile::type](#) = ""

file type

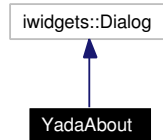
Definition at line 31 of file VisFile.tcl.

The documentation for this class was generated from the following file:

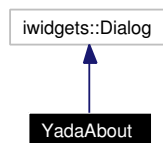
- VisFile.tcl

## 8.10 YadaAbout Class Reference

Inheritance diagram for YadaAbout:



Collaboration diagram for YadaAbout:



### 8.10.1 Detailed Description

YadaAbout - display the about screen.

**Author:**

Michael Daum

**Id**

[YadaAbout.tcl](#),v 1.8 2004/02/25 14:42:09 micha Exp

Definition at line 18 of file YadaAbout.tcl.

### Private Member Functions

- [YadaAbout](#) (TclList args)

### 8.10.2 Constructor & Destructor Documentation

#### 8.10.2.1 YadaAbout::YadaAbout (TclList args) [private]

constructor

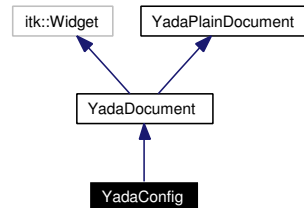
Definition at line 26 of file YadaAbout.tcl.

The documentation for this class was generated from the following file:

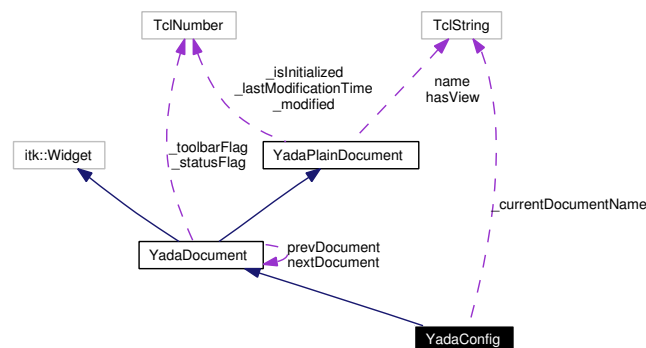
- YadaAbout.tcl

## 8.11 YadaConfig Class Reference

Inheritance diagram for YadaConfig:



Collaboration diagram for YadaConfig:



### 8.11.1 Detailed Description

YadaConfig - the configuration document

**Author:**

Michael Daum

**Id**

[YadaConfig.tcl](#), v 1.15 2004/03/25 13:58:23 ddreyer Exp

Definition at line 19 of file YadaConfig.tcl.

### Public Member Functions

- [activationHandle](#) ()
- [backward](#) ()
- [deActivationHandle](#) ()
- [displayTitle](#) ()
- [document](#) (TclString docName, TclList args)
- [forward](#) ()
- [fromDOM](#) (domNode node)
- [getPersistenceFileName](#) ()
- [hasSavedState](#) ()

- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [resetModified](#) ()
- [save](#) ()
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [YadaConfig](#) (TclList args)

### Static Public Member Functions

- [newDocument](#) (TclString className, TclString [name](#))

### Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)

### Protected Member Functions

- [askNewLoad](#) ()
- [updateModificationTime](#) ()

### Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

### Private Member Functions

- [\\_activateDocument](#) (TclString docName)

### Private Attributes

- TclString [\\_currentDocumentName](#) = ""

## 8.11.2 Constructor & Destructor Documentation

### 8.11.2.1 [YadaConfig::YadaConfig](#) (TclList *args*)

constructor

Definition at line 44 of file [YadaConfig.tcl](#).

### 8.11.3 Member Function Documentation

#### 8.11.3.1 YadaConfig::\_activateDocument (TclString *docName*) [private]

\_activateDocument

Definition at line 236 of file YadaConfig.tcl.

#### 8.11.3.2 YadaConfig::activationHandle () [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 227 of file YadaConfig.tcl.

#### 8.11.3.3 YadaDocument::askNewLoad () [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

#### 8.11.3.4 YadaDocument::backward () [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

#### 8.11.3.5 YadaConfig::deActivationHandle () [virtual]

deActivationHandle

Reimplemented from [YadaPlainDocument](#).

Definition at line 257 of file YadaConfig.tcl.

#### 8.11.3.6 YadaPlainDocument::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

#### 8.11.3.7 YadaConfig::document (TclString *docName*, TclList *args*)

document

Definition at line 268 of file YadaConfig.tcl.

#### 8.11.3.8 YadaDocument::forward () [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References YadaDocument::prevDocument.

Referenced by YadaDocument::backward().

#### 8.11.3.9 YadaPlainDocument::hasSavedState () [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

#### 8.11.3.10 YadaConfig::init () [virtual]

initialize the YADA configuration. This method initializes the yada config document and all its subdocuments, that is all init scripts are sourced. Doing so we generate [YadaConfigItem](#) objects and collet them all separately in the appropriate subdocuments. So the following init scripts in YADA\_ETC are sourced in the given order:

- `configure.tcl`: this is an application level init script
- `grammars.tcl`: generate all [YadaGrammar](#) objects and assert them into [YadaGrammars](#)
- `machines.tcl`: generate all [YadaMachine](#) objects and assert them into [YadaMachines](#)
- `experiments.tcl`: generate all [YadaExperiment](#) objects and assert them into [YadaExperiments](#)  
Hint: the init scripts might source further init scripts. This lets you organize different init scripts for different purposes.

Reimplemented from [YadaPlainDocument](#).

Definition at line 192 of file YadaConfig.tcl.

#### 8.11.3.11 YadaPlainDocument::isModified () [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

#### 8.11.3.12 YadaPlainDocument::lastChanged () [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

#### 8.11.3.13 YadaConfig::load ()

load

Reimplemented from [YadaPlainDocument](#).

Definition at line 132 of file YadaConfig.tcl.

**8.11.3.14 YadaDocument::newDocument (TclString *className*, TclString *name*)** [static, inherited]

newDocument

Definition at line 319 of file YadaDocument.tcl.

**8.11.3.15 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.11.3.16 YadaConfig::save ()**

save

Reimplemented from [YadaPlainDocument](#).

Definition at line 162 of file YadaConfig.tcl.

**8.11.3.17 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

**8.11.3.18 YadaDocument::setToggle (TclString *name*, TclRef *value* = "")** [inherited]

toggle toolbar or status. This method switches the toolbar or the status bar on or off depending on its arguments.

**Parameters:**

***name*** the element to be toggled: toolbar or status

***value*** the value to which to switch to: 1 or 0

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaRunnableDocument](#).

Definition at line 300 of file YadaDocument.tcl.

**8.11.3.19 YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

## 8.11.4 Member Data Documentation

### 8.11.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file [YadaPlainDocument.tcl](#).

### 8.11.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file [YadaPlainDocument.tcl](#).

### 8.11.4.3 TclString [YadaPlainDocument::hasView](#) = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file [YadaPlainDocument.tcl](#).

### 8.11.4.4 TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file [YadaPlainDocument.tcl](#).

### 8.11.4.5 [YadaDocument::nextDocument](#) [inherited]

link to the next [YadaDocument](#) registered to [YadaMain](#)

Definition at line 265 of file [YadaDocument.tcl](#).

### 8.11.4.6 [YadaDocument::prevDocument](#) [inherited]

link to the previous [YadaDocument](#) registered to [YadaMain](#)

Definition at line 250 of file [YadaDocument.tcl](#).

Referenced by [YadaDocument::forward\(\)](#).

The documentation for this class was generated from the following file:

- [YadaConfig.tcl](#)



- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setCurrentItem](#) ([YadaConfigItem](#) item)
- [setItem](#) ([YadaConfigItem](#) item)
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [unsetItem](#) ([YadaConfigItem](#) item)
- [YadaConfigDocument](#) (TclList args)
- [~YadaConfigDocument](#) ()

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

## Protected Member Functions

- [\\_askChange](#) ()
- [\\_commit](#) ()
- [\\_defaults](#) (TclString fileName="")
- virtual [\\_delete](#) ()=0
- [\\_getMarked](#) ()
- [\\_mark](#) (TclString aspect, TclString newData="undef", TclString oldData="undef")
- virtual [\\_new](#) ()=0
- [\\_select](#) (TclString itemName="")
- [\\_unmark](#) (TclString aspect="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue, TclString oldValue="")
- [isValidPersistenceFile](#) (TclString fileName)
- [updateModificationTime](#) ()

## Protected Attributes

- TclString [\\_allAspects](#) = ""
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_oldItem](#) = "<none>"

## Private Member Functions

- [\\_next](#) ()
- [\\_prev](#) ()
- [\\_selectCommand](#) ()
- [\\_setCounter](#) ()
- [\\_undo](#) ()

## Private Attributes

- TclArray `_allItems`
- TclString `_counter` = "0/0"
- TclString `_currentItem` = ""
- TclNumber `_currentItemNo` = 0

## 8.12.2 Constructor & Destructor Documentation

### 8.12.2.1 YadaConfigDocument::YadaConfigDocument (TclList *args*)

constructor

create submenu entry "New"

add file menu entries Definition at line 78 of file YadaConfigDocument.tcl.

### 8.12.2.2 YadaConfigDocument::~YadaConfigDocument ()

destructor

Definition at line 299 of file YadaConfigDocument.tcl.

## 8.12.3 Member Function Documentation

### 8.12.3.1 YadaConfigDocument::\_askChange () [protected]

`_askChange`

Definition at line 342 of file YadaConfigDocument.tcl.

Referenced by `_selectCommand()`.

### 8.12.3.2 YadaConfigDocument::\_commit () [protected]

`_commit`

Reimplemented in [YadaMethods](#), [YadaExperiments](#), [YadaGrammars](#), and [YadaMachines](#).

Definition at line 627 of file YadaConfigDocument.tcl.

### 8.12.3.3 YadaConfigDocument::\_getMarked () [protected]

`_getMarked`

Definition at line 427 of file YadaConfigDocument.tcl.

### 8.12.3.4 YadaConfigDocument::\_mark (TclString *aspect*, TclString *newData* = "undef", TclString *oldData* = "undef") [protected]

`_mark`

Definition at line 402 of file YadaConfigDocument.tcl.

**8.12.3.5 YadaConfigDocument::\_next () [private]**

\_next

Definition at line 472 of file YadaConfigDocument.tcl.

**8.12.3.6 YadaConfigDocument::\_prev () [private]**

\_prev

Definition at line 485 of file YadaConfigDocument.tcl.

**8.12.3.7 YadaConfigDocument::\_selectCommand () [private]**

\_selectCommand

Definition at line 334 of file YadaConfigDocument.tcl.

References `_askChange()`.

**8.12.3.8 YadaConfigDocument::\_setCounter () [private]**

update the counter label. This method sets the `_counter` to reflect the number of items in this document.

Definition at line 507 of file YadaConfigDocument.tcl.

Referenced by `getCurrentItem()`.

**8.12.3.9 YadaConfigDocument::\_undo () [private]**

\_undo

Definition at line 441 of file YadaConfigDocument.tcl.

**8.12.3.10 YadaConfigDocument::\_unmark (TclString *aspect* = "") [protected]**

\_unmark

Definition at line 389 of file YadaConfigDocument.tcl.

**8.12.3.11 YadaConfigDocument::\_validateCommand (TclString *aspect*, TclString *newValue*, TclString *oldValue* = "") [protected]**

\_validateCommand

Definition at line 450 of file YadaConfigDocument.tcl.

**8.12.3.12 YadaConfigDocument::activationHandle () [virtual]**

activationHandle

activate custom file menu

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaMethods](#), and [YadaExperiments](#).

Definition at line 372 of file YadaConfigDocument.tcl.

#### 8.12.3.13 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

#### 8.12.3.14 YadaConfigDocument::displayTitle ()

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 668 of file YadaConfigDocument.tcl.

#### 8.12.3.15 YadaConfigDocument::getAllItemNames (TclList args)

getAllItemNames

**Returns:**

a list of all known names of YadaConfigItems in this document

Definition at line 605 of file YadaConfigDocument.tcl.

#### 8.12.3.16 YadaConfigDocument::getAllItems (TclList args)

getAllItems

**Returns:**

a list of all known YadaConfigItems in this document

Definition at line 591 of file YadaConfigDocument.tcl.

#### 8.12.3.17 YadaConfigDocument::getCurrentItem ()

getCurrentItem

**Returns:**

the currently displayed [YadaConfigItem](#)

Definition at line 499 of file YadaConfigDocument.tcl.

References [\\_setCounter\(\)](#).

**8.12.3.18 YadaConfigDocument::getItem (TclString *name*)**

getItem

Definition at line 579 of file YadaConfigDocument.tcl.

Referenced by getItemNo().

**8.12.3.19 YadaConfigDocument::getItemNo (TclString *name*)**

getItemNo

Definition at line 571 of file YadaConfigDocument.tcl.

References getItem().

**8.12.3.20 YadaPlainDocument::hasSavedState () [inherited]**

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.12.3.21 YadaConfigDocument::init () [virtual]**

init

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaMethods](#), [YadaExperiments](#), [YadaGrammars](#), and [YadaMachines](#).

Definition at line 308 of file YadaConfigDocument.tcl.

**8.12.3.22 YadaPlainDocument::isModified () [inherited]**

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.12.3.23 YadaPlainDocument::lastChanged () [inherited]**

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.12.3.24 YadaPlainDocument::load () [inherited]**

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by `YadaPlainDocument::setToggle()`.

#### 8.12.3.25 `YadaPlainDocument::resetModified ()` [inherited]

Removes modification mark.

Definition at line 183 of file `YadaPlainDocument.tcl`.

References `YadaPlainDocument::hasSavedState()`.

Referenced by `YadaPlainDocument::setModified()`.

#### 8.12.3.26 `YadaPlainDocument::save ()` [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file `YadaPlainDocument.tcl`.

#### 8.12.3.27 `YadaConfigDocument::setCurrentItem (YadaConfigItem item)`

`setCurrentItem`

Definition at line 519 of file `YadaConfigDocument.tcl`.

#### 8.12.3.28 `YadaConfigDocument::setItem (YadaConfigItem item)`

`setItem`

Definition at line 558 of file `YadaConfigDocument.tcl`.

#### 8.12.3.29 `YadaPlainDocument::setModified ()` [inherited]

Marks item as modified.

Definition at line 175 of file `YadaPlainDocument.tcl`.

References `YadaPlainDocument::resetModified()`.

Referenced by `YadaPlainDocument::isModified()`.

#### 8.12.3.30 `YadaPlainDocument::setToggle (TclString name, TclRef value = "")` [inherited]

`setToggle`

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file `YadaPlainDocument.tcl`.

References `YadaPlainDocument::load()`.

#### 8.12.3.31 `YadaConfigDocument::unsetItem (YadaConfigItem item)`

`unsetItem`

Definition at line 540 of file YadaConfigDocument.tcl.

#### 8.12.3.32 **YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.12.4 Member Data Documentation

#### 8.12.4.1 **TclNumber YadaPlainDocument::\_isInitialized = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.12.4.2 **TclNumber YadaPlainDocument::\_lastModificationTime = 0** [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

#### 8.12.4.3 **TclString YadaPlainDocument::hasView = "true"** [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

#### 8.12.4.4 **TclString YadaPlainDocument::name = ""** [inherited]

name of the document

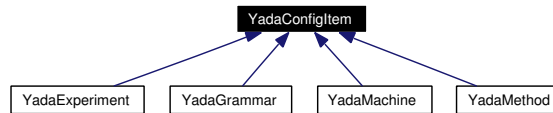
Definition at line 25 of file YadaPlainDocument.tcl.

The documentation for this class was generated from the following file:

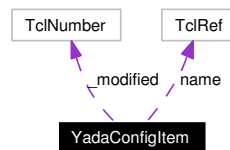
- YadaConfigDocument.tcl

## 8.13 YadaConfigItem Class Reference

Inheritance diagram for YadaConfigItem:



Collaboration diagram for YadaConfigItem:



### 8.13.1 Detailed Description

YadaConfigItem - interface for configurable objects. This class has no implementation and only serves as a marker of derived configurable items in [YadaConfigDocument](#).

#### Author:

Michael Daum

#### Id

[YadaConfigItem.tcl](#),v 1.7 2004/09/06 13:41:13 micha Exp

Definition at line 21 of file YadaConfigItem.tcl.

### Public Member Functions

- [displayTitle](#) ()
- **fromDOM** (domNode node)
- virtual **getPersistenceFileName** ()=0
- [hasSavedState](#) ()
- [isModified](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setModified](#) ()
- **toDOM** ()

### Public Attributes

- TclRef **name**

## Protected Attributes

- TclNumber `_modified` = 0

## 8.13.2 Member Function Documentation

### 8.13.2.1 `YadaConfigItem::displayTitle ()`

Displays title in main window (reflecting modification state of document).

Definition at line 128 of file `YadaConfigItem.tcl`.

### 8.13.2.2 `YadaConfigItem::hasSavedState ()`

Predicate returning 1, if file containing persistent state of [YadaGrammar](#) exists, otherwise 0 Definition at line 115 of file `YadaConfigItem.tcl`.

### 8.13.2.3 `YadaConfigItem::isModified ()`

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 87 of file `YadaConfigItem.tcl`.

### 8.13.2.4 `YadaConfigItem::load ()`

Loads object state from unique file (depends on object name).

Definition at line 66 of file `YadaConfigItem.tcl`.

### 8.13.2.5 `YadaConfigItem::resetModified ()`

Removes modification mark.

Definition at line 105 of file `YadaConfigItem.tcl`.

### 8.13.2.6 `YadaConfigItem::save ()`

Serializes object state to unique file (depends on object name).

Definition at line 45 of file `YadaConfigItem.tcl`.

### 8.13.2.7 `YadaConfigItem::setModified ()`

Marks item as modified.

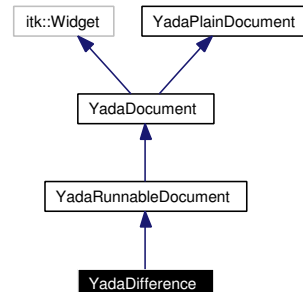
Definition at line 94 of file `YadaConfigItem.tcl`.

The documentation for this class was generated from the following file:

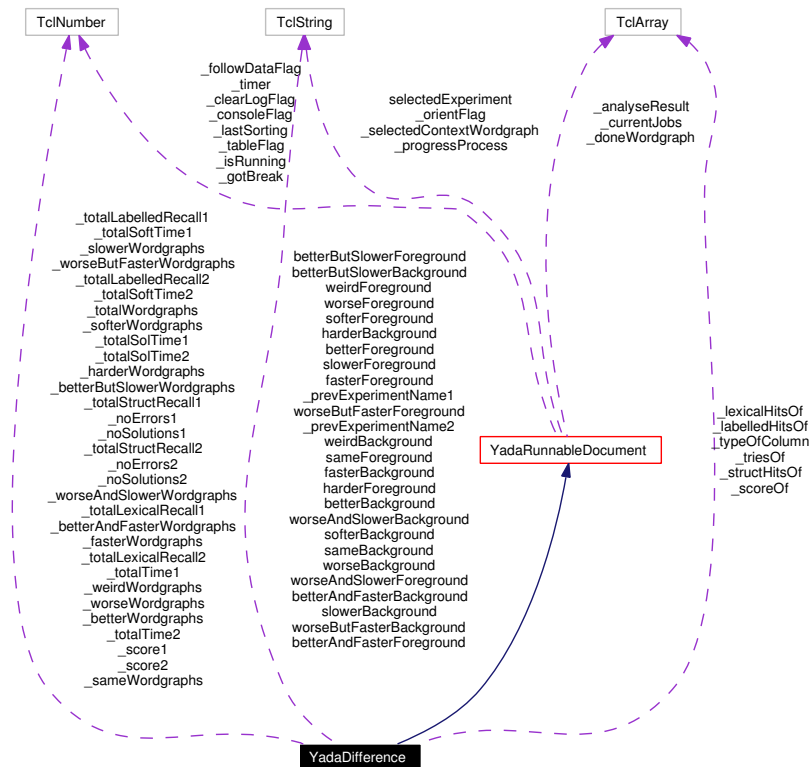
- `YadaConfigItem.tcl`

## 8.14 YadaDifference Class Reference

Inheritance diagram for YadaDifference:



Collaboration diagram for YadaDifference:



### 8.14.1 Detailed Description

YadaDifference - difference between two experiments.

**Author:**

Michael Daum

**Id**

[YadaDifference.tcl](#), v 1.4 2004/02/25 14:42:08 micha Exp

Definition at line 19 of file YadaDifference.tcl.

## Public Member Functions

- [activationHandle](#) ()
- [askRunall](#) ()
- [backward](#) ()
- [breakJob](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- **fromDOM** (domNode node)
- **getPersistenceFileName** ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [interruptJobs](#) ()
- [isModified](#) ()
- [killJob](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [load](#) (TclList args)
- [markWordgraph](#) (TclString wordgraph)
- [print](#) (TclString message)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [run](#) (YadaExperiment experiment="")
- [run](#) ()
- [runall](#) ()
- [save](#) ()
- [save](#) (TclString fileName="")
- [selectExperiment](#) (TclString experimentName="")
- [selectExperiment](#) (TclNumber experimentNo, TclString experimentName="")
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [step](#) (TclString wordgraph="")
- [termJob](#) ()
- **toDOM** ()
- [unbreakJob](#) ()
- [unmarkWordgraph](#) (TclString wordgraph)
- [YadaDifference](#) (TclList args)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString name)

## Public Attributes

- TclString **betterAndFasterBackground** = "green1"
- TclString **betterAndFasterForeground** = "black"
- TclString **betterBackground** = "green2"
- TclString **betterButSlowerBackground** = "green3"
- TclString **betterButSlowerForeground** = "black"
- TclString **betterForeground** = "black"
- TclString **fasterBackground** = "lightblue"
- TclString **fasterForeground** = "black"
- TclString **harderBackground** = "deepskyblue3"
- TclString **harderForeground** = "black"
- TclString **hasView** = "true"
- TclString **name** = ""
- [YadaDocument](#) **nextDocument**
- [YadaDocument](#) **prevDocument**
- TclString **sameBackground** = "gray"
- TclString **sameForeground** = "black"
- TclString **selectedExperiment** = ""
- TclString **slowerBackground** = "yellow"
- TclString **slowerForeground** = "black"
- TclString **softerBackground** = "deepskyblue1"
- TclString **softerForeground** = "black"
- TclString **weirdBackground** = "pink"
- TclString **weirdForeground** = "black"
- TclString **worseAndSlowerBackground** = "red3"
- TclString **worseAndSlowerForeground** = "white"
- TclString **worseBackground** = "red1"
- TclString **worseButFasterBackground** = "orange"
- TclString **worseButFasterForeground** = "black"
- TclString **worseForeground** = "white"

## Protected Member Functions

- [\\_analyseDocument](#) (DomDocument document, TclExperiment experiment)
- [\\_clearRow](#) ()
- [\\_computeSpeedup](#) (TclNumber time1, TclNumber time2)
- [\\_deleteData](#) ()
- [\\_getActiveWordgraphs](#) ()
- [\\_getRowOfWordgraph](#) (TclString wordgraph)
- [\\_getSelectedExperiment](#) ()
- [\\_getSelectedWork](#) ()
- [\\_getXMLFileName](#) (TclString wordgraph)
- [\\_insertData](#) (TclString wordgraph, TclList args)
- [\\_registerJob](#) ([YadaJob](#) job)
- [\\_showContextMenu](#) (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot)
- [\\_traceProcess](#) ()
- [\\_unregisterJob](#) ([YadaJob](#) job)
- [\\_viewLogfile](#) (TclList experiments="")
- [\\_viewLogfile](#) ()

- [\\_viewXmlfile](#) (TclList experiments="")
- [\\_viewXmlfile](#) ()
- [askNewLoad](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [updateModificationTime](#) ()

## Protected Attributes

- TclArray [\\_analyseResult](#)
- TclArray [\\_doneWordgraph](#)
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_selectedContextWordgraph](#) = ""

## Private Member Functions

- [\\_analyseDocument](#) (DomDocument document, [YadaExperiment](#) experiment)
- [\\_computeStatistics](#) ()
- [\\_getDoneWork](#) ()
- [\\_getJudgeOfRow](#) (TclNumber row)
- [\\_getSelectedExperiments](#) ()
- [\\_getTypeOfColumn](#) (TclNumber colNo)
- [\\_getUndoneWork](#) ()
- [\\_getWordgraphs](#) ()
- [\\_jobConsumer](#) ([YadaJob](#) job)
- [\\_judgeData](#) (TclNumber measure1a, TclNumber measure1b, TclNumber time1, TclNumber solutionTime1, TclNumber softTime1, TclNumber measure2a, TclNumber measure2b, TclNumber time2, TclNumber solutionTime2, TclNumber softTime2)
- [\\_judgeRow](#) (TclNumber row)
- [\\_resetDataOf](#) (TclList wordgraphs)

## Private Attributes

- TclNumber [\\_betterAndFasterWordgraphs](#) = 0
- TclNumber [\\_betterButSlowerWordgraphs](#) = 0
- TclNumber [\\_betterWordgraphs](#) = 0
- TclNumber [\\_fasterWordgraphs](#) = 0
- TclNumber [\\_harderWordgraphs](#) = 0
- TclArray [\\_labelledHitsOf](#)
- TclArray [\\_lexicalHitsOf](#)
- TclNumber [\\_noErrors1](#) = 0
- TclNumber [\\_noErrors2](#) = 0
- TclNumber [\\_noSolutions1](#) = 0
- TclNumber [\\_noSolutions2](#) = 0
- TclString [\\_prevExperimentName1](#) = ""
- TclString [\\_prevExperimentName2](#) = ""

- TclNumber `_sameWordgraphs` = 0
- TclNumber `_score1` = 0
- TclNumber `_score2` = 0
- TclArray `_scoreOf`
- TclNumber `_slowerWordgraphs` = 0
- TclNumber `_softerWordgraphs` = 0
- TclArray `_structHitsOf`
- TclNumber `_totalLabelledRecall1` = 0
- TclNumber `_totalLabelledRecall2` = 0
- TclNumber `_totalLexicalRecall1` = 0
- TclNumber `_totalLexicalRecall2` = 0
- TclNumber `_totalSoftTime1` = 0
- TclNumber `_totalSoftTime2` = 0
- TclNumber `_totalSolTime1` = 0
- TclNumber `_totalSolTime2` = 0
- TclNumber `_totalStructRecall1` = 0
- TclNumber `_totalStructRecall2` = 0
- TclNumber `_totalTime1` = 0
- TclNumber `_totalTime2` = 0
- TclNumber `_totalWordgraphs` = 0
- TclArray `_triesOf`
- TclArray `_typeOfColumn`
- TclNumber `_weirdWordgraphs` = 0
- TclNumber `_worseAndSlowerWordgraphs` = 0
- TclNumber `_worseButFasterWordgraphs` = 0
- TclNumber `_worseWordgraphs` = 0

## 8.14.2 Constructor & Destructor Documentation

### 8.14.2.1 YadaDifference::YadaDifference (TclList args)

constructor

Definition at line 128 of file YadaDifference.tcl.

## 8.14.3 Member Function Documentation

### 8.14.3.1 YadaRunnableDocument::\_analyseDocument (DomDocument *document*, TclExperiment *experiment*) [protected, inherited]

analyse a given DomDocument produced with the help of a [YadaExperiment](#). This method extracts all the information that we normally are interested in in runnable documents. Classes (like [YadaGlsStats](#)) overload this function and extract extra information not analysed here. So as a sideeffect the resulting data is stored into the protected variable `_analyseResult` as documented above. In some cases where the DomDocument is illformed we still try to extract as many information as possible. In case of any error you will notice that by a return code of 0. Error messages are give by [print\(\)](#). The *experiment* is consulted especially when no evaluation data is contained in the *document* in order to get the number of tries in the statistics correctly an which is only provided by the used CDG grammar, especially the contained annotation of the lattice.

#### Parameters:

*document* the DomDocument resulting from a dom parse

*experiment* the experiment with which we produced this document

Definition at line 1051 of file YadaRunnableDocument.tcl.

#### **8.14.3.2 YadaDifference::\_analyseDocument (DomDocument *document*, [YadaExperiment](#) *experiment*)** [private]

\_analyseDocument

Definition at line 1385 of file YadaDifference.tcl.

#### **8.14.3.3 YadaRunnableDocument::\_clearRow ()** [protected, inherited]

\_clearRow

Definition at line 1641 of file YadaRunnableDocument.tcl.

#### **8.14.3.4 YadaRunnableDocument::\_computeSpeedup (TclNumber *time1*, TclNumber *time2*)** [protected, inherited]

\_computeSpeedup

Definition at line 718 of file YadaRunnableDocument.tcl.

#### **8.14.3.5 YadaDifference::\_computeStatistics ()** [private]

\_computeStatistics

Reimplemented from [YadaRunnableDocument](#).

Definition at line 645 of file YadaDifference.tcl.

#### **8.14.3.6 YadaRunnableDocument::\_deleteData ()** [protected, inherited]

\_deleteData

Definition at line 1717 of file YadaRunnableDocument.tcl.

#### **8.14.3.7 YadaRunnableDocument::\_getActiveWordgraphs ()** [protected, inherited]

\_getActiveWordgraphs

Definition at line 960 of file YadaRunnableDocument.tcl.

#### **8.14.3.8 YadaDifference::\_getDoneWork ()** [private]

\_getDoneWork

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1499 of file YadaDifference.tcl.

**8.14.3.9 YadaDifference::\_getJudgeOfRow (TclNumber *row*) [private]**

\_getJudge

Definition at line 1032 of file YadaDifference.tcl.

**8.14.3.10 YadaRunnableDocument::\_getRowOfWordgraph (TclString *wordgraph*) [protected, inherited]**

\_getRowOfWordgraph

Definition at line 449 of file YadaRunnableDocument.tcl.

**8.14.3.11 YadaRunnableDocument::\_getSelectedExperiment () [protected, inherited]**

\_getSelectedExperiment

Definition at line 784 of file YadaRunnableDocument.tcl.

**8.14.3.12 YadaDifference::\_getSelectedExperiments () [private]**

\_getSelectedExperiments

Definition at line 981 of file YadaDifference.tcl.

**8.14.3.13 YadaRunnableDocument::\_getSelectedWork () [protected, inherited]**

\_getSelectedWork

Definition at line 795 of file YadaRunnableDocument.tcl.

**8.14.3.14 YadaDifference::\_getTypeOfColumn (TclNumber *colNo*) [private]**

\_getTypeOfColumn

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1040 of file YadaDifference.tcl.

References [\\_resetDataOf\(\)](#).

**8.14.3.15 YadaDifference::\_getUndoneWork () [private]**

\_getUndoneWork

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1513 of file YadaDifference.tcl.

**8.14.3.16 YadaDifference::\_getWordgraphs () [private]**

\_getWordgraphs

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1000 of file YadaDifference.tcl.

**8.14.3.17 YadaRunnableDocument::\_getXMLFileName (TclString *wordgraph*)** [protected, inherited]

Returns wordgraph file name for selected experiment.

Definition at line 1845 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::\_resetDataOf().

**8.14.3.18 YadaRunnableDocument::\_insertData (TclString *wordgraph*, TclList *args*)** [protected, inherited]

\_insertData

Definition at line 977 of file YadaRunnableDocument.tcl.

**8.14.3.19 YadaDifference::\_jobConsumer (YadaJob *job*)** [private]

\_jobConsumer

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1319 of file YadaDifference.tcl.

**8.14.3.20 YadaDifference::\_judgeData (TclNumber *measure1a*, TclNumber *measure1b*, TclNumber *time1*, TclNumber *solutionTime1*, TclNumber *softTime1*, TclNumber *measure2a*, TclNumber *measure2b*, TclNumber *time2*, TclNumber *solutionTime2*, TclNumber *softTime2*)** [private]

\_judgeData

Definition at line 884 of file YadaDifference.tcl.

**8.14.3.21 YadaDifference::\_judgeRow (TclNumber *row*)** [private]

\_judgeRow

Definition at line 440 of file YadaDifference.tcl.

**8.14.3.22 YadaRunnableDocument::\_registerJob (YadaJob *job*)** [protected, inherited]

\_registerJob

Definition at line 1430 of file YadaRunnableDocument.tcl.

**8.14.3.23 YadaDifference::\_resetDataOf (TclList *wordgraphs*)** [private]

\_resetDataOf

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1047 of file YadaDifference.tcl.

Referenced by `_getTypeOfColumn()`.

#### 8.14.3.24 YadaRunnableDocument::\_showContextMenu (TclNumber *x*, TclNumber *y*, TclNumber *xroot*, TclNumber *yroot*) [protected, inherited]

`_showContextMenu`

Definition at line 1538 of file `YadaRunnableDocument.tcl`.

#### 8.14.3.25 YadaDifference::\_traceProcess () [protected]

`_traceProcess`

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1542 of file `YadaDifference.tcl`.

Referenced by `_viewXmlfile()`.

#### 8.14.3.26 YadaRunnableDocument::\_unregisterJob ([YadaJob](#) *job*) [protected, inherited]

`_unregisterJob`

Definition at line 1438 of file `YadaRunnableDocument.tcl`.

#### 8.14.3.27 YadaRunnableDocument::\_viewLogfile (TclList *experiments* = "") [protected, inherited]

display logfile of a experiment. This method reads the logfiles of one or more experiments given a selected wordgraph in `_selectedContextWordgraph`.

##### Parameters:

*experiments* the optional list of experiments that we want to display. if the list is empty the we fetch the currently selected experiments via [\\_getSelectedExperiment\(\)](#).

Definition at line 1554 of file `YadaRunnableDocument.tcl`.

#### 8.14.3.28 YadaDifference::\_viewLogfile () [protected]

`_viewLogfile`: wrapper to [YadaRunnableDocument::\\_viewLogfile](#)

Definition at line 1528 of file `YadaDifference.tcl`.

References `_viewXmlfile()`.

#### 8.14.3.29 YadaRunnableDocument::\_viewXmlfile (TclList *experiments* = "") [protected, inherited]

`_viewXmlfile`

Definition at line 1597 of file `YadaRunnableDocument.tcl`.

**8.14.3.30 YadaDifference::\_viewXmlfile ()** [protected]

\_viewXmlfile: wrapper to [YadaRunnableDocument::\\_viewXmlfile](#)

Definition at line 1535 of file YadaDifference.tcl.

References [\\_traceProcess\(\)](#).

Referenced by [\\_viewLogfile\(\)](#).

**8.14.3.31 YadaDifference::activationHandle ()** [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 856 of file YadaDifference.tcl.

**8.14.3.32 YadaDocument::askNewLoad ()** [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

**8.14.3.33 YadaRunnableDocument::askRunall ()** [inherited]

askRunall

Definition at line 1456 of file YadaRunnableDocument.tcl.

**8.14.3.34 YadaDocument::backward ()** [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

**8.14.3.35 YadaRunnableDocument::breakJob ()** [inherited]

breakJob

Definition at line 493 of file YadaRunnableDocument.tcl.

References [printMessage\(\)](#).

**8.14.3.36 YadaDifference::clear ()**

clear

Reimplemented from [YadaRunnableDocument](#).

Definition at line 459 of file YadaDifference.tcl.

**8.14.3.37 YadaPlainDocument::deActivationHandle ()** [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

**8.14.3.38 YadaPlainDocument::displayTitle ()** [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

**8.14.3.39 YadaDocument::forward ()** [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References [YadaDocument::prevDocument](#).

Referenced by [YadaDocument::backward\(\)](#).

**8.14.3.40 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by [YadaPlainDocument::resetModified\(\)](#).

**8.14.3.41 YadaRunnableDocument::init ()** [virtual, inherited]

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 689 of file YadaRunnableDocument.tcl.

**8.14.3.42 YadaRunnableDocument::interruptJobs ()** [inherited]

interruptJobs

Definition at line 519 of file YadaRunnableDocument.tcl.

**8.14.3.43 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References `YadaPlainDocument::setModified()`.

#### **8.14.3.44** `YadaRunnableDocument::killJob ()` [inherited]

`killJob`

Definition at line 551 of file `YadaRunnableDocument.tcl`.

#### **8.14.3.45** `YadaPlainDocument::lastChanged ()` [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file `YadaPlainDocument.tcl`.

#### **8.14.3.46** `YadaPlainDocument::load ()` [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file `YadaPlainDocument.tcl`.

Referenced by `YadaPlainDocument::setToggle()`.

#### **8.14.3.47** `YadaDifference::load (TclList args)`

`load`

Definition at line 519 of file `YadaDifference.tcl`.

#### **8.14.3.48** `YadaRunnableDocument::loadUpdatedWordgraphs (TclList args)` [protected, inherited]

`loadUpdatedWordgraphs`

Reimplemented from [YadaDocument](#).

Definition at line 903 of file `YadaRunnableDocument.tcl`.

#### **8.14.3.49** `YadaRunnableDocument::markWordgraph (TclString wordgraph)` [inherited]

`markWordgraph`

Definition at line 863 of file `YadaRunnableDocument.tcl`.

#### **8.14.3.50** `YadaDocument::newDocument (TclString className, TclString name)` [static, inherited]

`newDocument`

Definition at line 319 of file `YadaDocument.tcl`.

**8.14.3.51 YadaRunnableDocument::print (TclString *message*)** [inherited]

print

Definition at line 895 of file YadaRunnableDocument.tcl.

**8.14.3.52 YadaRunnableDocument::reload ()** [inherited]

reload

Reimplemented in [YadaRunner](#).

Definition at line 567 of file YadaRunnableDocument.tcl.

**8.14.3.53 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::hasSavedState\(\)](#).

Referenced by [YadaPlainDocument::setModified\(\)](#).

**8.14.3.54 YadaRunnableDocument::resortRows ()** [inherited]

resortRows

Definition at line 999 of file YadaRunnableDocument.tcl.

References [YadaRunnableDocument::sortRows\(\)](#).

**8.14.3.55 YadaRunnableDocument::run ([YadaExperiment](#) *experiment* = " ")** [inherited]

run

Definition at line 1206 of file YadaRunnableDocument.tcl.

**8.14.3.56 YadaDifference::run ()**

run

Definition at line 1139 of file YadaDifference.tcl.

**8.14.3.57 YadaDifference::runall ()**

runall

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1201 of file YadaDifference.tcl.

**8.14.3.58 YadaRunnableDocument::save ()** [inherited]

Overridden method.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1858 of file YadaRunnableDocument.tcl.

#### **8.14.3.59 YadaDifference::save (TclString *fileName* = " ")**

save

Definition at line 626 of file YadaDifference.tcl.

#### **8.14.3.60 YadaRunnableDocument::selectExperiment (TclString *experimentName* = " ")** [inherited]

selectExperiment

Set initial modification time to react to concurrent file changes Definition at line 1502 of file YadaRunnableDocument.tcl.

#### **8.14.3.61 YadaDifference::selectExperiment (TclNumber *experimentNo*, TclString *experimentName* = " ")**

selectExperiment

Definition at line 822 of file YadaDifference.tcl.

#### **8.14.3.62 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### **8.14.3.63 YadaRunnableDocument::setToggle (TclString *name*, TclRef *value* = " ")** [inherited]

setToggle

Reimplemented from [YadaDocument](#).

Definition at line 1770 of file YadaRunnableDocument.tcl.

#### **8.14.3.64 YadaRunnableDocument::sortRows (TclNumber *colNo*, TclList *args*)** [inherited]

sortRows

Reimplemented in [YadaGlsStats](#).

Definition at line 1008 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::resortRows().

**8.14.3.65 YadaDifference::step (TclString *wordgraph* = " ")**

step

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1064 of file YadaDifference.tcl.

**8.14.3.66 YadaRunnableDocument::termJob () [inherited]**

termJob

Definition at line 535 of file YadaRunnableDocument.tcl.

**8.14.3.67 YadaRunnableDocument::unbreakJob () [inherited]**

unbreakJob

Definition at line 633 of file YadaRunnableDocument.tcl.

**8.14.3.68 YadaRunnableDocument::unmarkWordgraph (TclString *wordgraph*) [inherited]**

unmarkWordgraph

Definition at line 850 of file YadaRunnableDocument.tcl.

**8.14.3.69 YadaPlainDocument::updateModificationTime () [protected, inherited]**

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

**8.14.4 Member Data Documentation****8.14.4.1 TclArray [YadaRunnableDocument::\\_analyseResult](#) [protected, inherited]**

results of [\\_analyseDocument\(\)](#). This variable is modified by [\\_analyseDocument\(\)](#) in a sideeffect. Outside this method we only read [\\_analyseResult](#). The filled values are:

- wordgraph: the name of the wordgraph in the DomDocument
- noValues: the number of levelvalues in a computed constraintnet
- score: the score of a found parse
- totalTime: the total amount of time needed to terminate the solution method
- solutionTime: the time to find the parse
- softTime: the time to find the first parse without any hard violations
- tries: the number of tried items in the solution parse
- structHits: the number of structural correct items in the solution parse
- labelledHits: the number of structural correct and correctly labelled items

- lexicalHits: the number of structural, labelled and lexically correct items
- strictHits: the number of identical dependency edges

Definition at line 52 of file YadaRunnableDocument.tcl.

#### 8.14.4.2 TclArray **YadaRunnableDocument::\_doneWordgraph** [protected, inherited]

hash mapping wordgraph ids to 0 or 1. This indicates whether a wordgraph has been computed or not. Definition at line 60 of file YadaRunnableDocument.tcl.

#### 8.14.4.3 TclNumber **YadaRunnableDocument::\_gotBreak = 0** [protected, inherited]

flag to indicate a received break signal

Definition at line 32 of file YadaRunnableDocument.tcl.

#### 8.14.4.4 TclNumber **YadaPlainDocument::\_isInitialized = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. `YadaConfigDocument::init()` or `YadaRunnableDocument::init()`. Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.14.4.5 TclNumber **YadaRunnableDocument::\_isRunning = 0** [protected, inherited]

flag to indicate that the document is currently busy

Definition at line 35 of file YadaRunnableDocument.tcl.

#### 8.14.4.6 TclNumber **YadaPlainDocument::\_lastModificationTime = 0** [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

#### 8.14.4.7 TclString **YadaRunnableDocument::\_selectedContextWordgraph = ""** [protected, inherited]

the wordgraph selected by a right mouse click on the table.

Definition at line 56 of file YadaRunnableDocument.tcl.

#### 8.14.4.8 TclString **YadaPlainDocument::\_hasView = "true"** [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.14.4.9** TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.14.4.10** [YadaDocument::nextDocument](#) [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.14.4.11** [YadaDocument::prevDocument](#) [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

Referenced by YadaDocument::forward().

**8.14.4.12** TclString [YadaRunnableDocument::selectedExperiment](#) = "" [inherited]

Needed for instantiations without view.

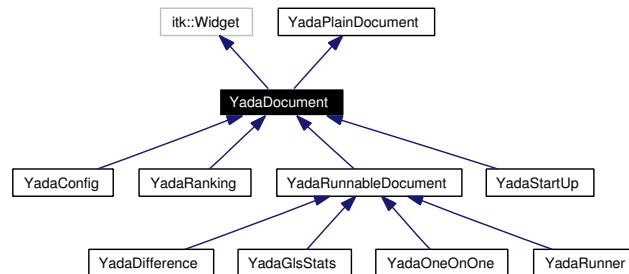
Definition at line 28 of file YadaRunnableDocument.tcl.

The documentation for this class was generated from the following file:

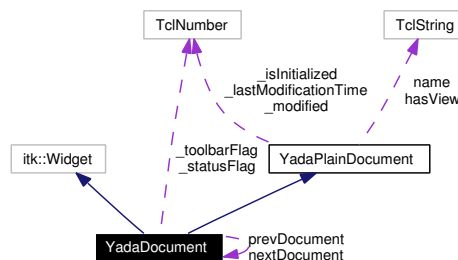
- YadaDifference.tcl

## 8.15 YadaDocument Class Reference

Inheritance diagram for YadaDocument:



Collaboration diagram for YadaDocument:



### 8.15.1 Detailed Description

YadaDocument - embeddeable document. This class extends the [YadaPlainDocument](#) and offers all functionality to embed a document into the [YadaMain](#) widget. In parallel to this inheritance the [YadaConfigDocument](#) is not embeddeable into [YadaMain](#) but into [YadaConfig](#), i.e. [YadaGammars](#), [YadaExperiments](#) etc.

#### Author:

Michael Daum

#### Id

[YadaDocument.tcl](#), v 1.11 2004/05/11 14:30:47 ddreyer Exp

Definition at line 23 of file [YadaDocument.tcl](#).

### Public Member Functions

- virtual [activationHandle](#) ()
- [backward](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- [fromDOM](#) (domNode node)
- [getPersistanceFileName](#) ()

- [hasSavedState](#) ()
- virtual [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [resetModified](#) ()
- [save](#) ()
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [YadaDocument](#) ()
- [~YadaDocument](#) ()

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString [name](#))

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)

## Protected Member Functions

- [askNewLoad](#) ()
- [updateModificationTime](#) ()

## Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

## Private Attributes

- TclNumber [\\_statusFlag](#) = 1
- TclNumber [\\_toolbarFlag](#) = 1

## 8.15.2 Constructor & Destructor Documentation

### 8.15.2.1 YadaDocument::YadaDocument ()

constructor

Definition at line 66 of file YadaDocument.tcl.

### 8.15.2.2 YadaDocument::~~YadaDocument ()

destructor

unregister only, if document has been registered before Definition at line 226 of file YadaDocument.tcl.

## 8.15.3 Member Function Documentation

### 8.15.3.1 YadaDocument::activationHandle () [virtual]

activationHandle

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaOneOnOne](#), [YadaConfig](#), [YadaDifference](#), [YadaGlsStats](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 280 of file YadaDocument.tcl.

### 8.15.3.2 YadaDocument::askNewLoad () [protected]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

### 8.15.3.3 YadaDocument::backward ()

backward

Definition at line 236 of file YadaDocument.tcl.

References forward().

### 8.15.3.4 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References YadaPlainDocument::init().

Referenced by YadaPlainDocument::activationHandle().

### 8.15.3.5 YadaPlainDocument::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

### 8.15.3.6 YadaDocument::forward ()

forward

Definition at line 243 of file YadaDocument.tcl.

References prevDocument.

Referenced by backward().

#### 8.15.3.7 YadaPlainDocument::hasSavedState () [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

#### 8.15.3.8 YadaPlainDocument::init () [virtual, inherited]

init

Reimplemented in [YadaMethods](#), [YadaConfig](#), [YadaConfigDocument](#), [YadaExperiments](#), [YadaGenerals](#), [YadaGrammars](#), [YadaMachines](#), [YadaRanking](#), and [YadaRunnableDocument](#).

Definition at line 97 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::deActivationHandle().

#### 8.15.3.9 YadaPlainDocument::isModified () [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

#### 8.15.3.10 YadaPlainDocument::lastChanged () [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

#### 8.15.3.11 YadaPlainDocument::load () [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

#### 8.15.3.12 YadaDocument::newDocument (TclString className, TclString name) [static]

newDocument

Definition at line 319 of file YadaDocument.tcl.

#### 8.15.3.13 **YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

#### 8.15.3.14 **YadaPlainDocument::save ()** [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

#### 8.15.3.15 **YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### 8.15.3.16 **YadaDocument::setToggle (TclString name, TclRef value = " ")**

toggle toolbar or status. This method switches the toolbar or the status bar on or off depending on its arguments.

##### Parameters:

**name** the element to be toggled: toolbar or status

**value** the value to which to switch to: 1 or 0

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaRunnableDocument](#).

Definition at line 300 of file YadaDocument.tcl.

#### 8.15.3.17 **YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.15.4 Member Data Documentation

#### 8.15.4.1 **TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

**8.15.4.2** `TclNumber YadaPlainDocument::_lastModificationTime = 0` [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.15.4.3** `TclNumber YadaDocument::_statusFlag = 1` [private]

flag indicating whether the status message of this document is shown. This information is kept in sync with `YadaMain::_statusFlag` whenever the document is activated.

See also:

`setToggle()`, `activationHandle()`.

Definition at line 43 of file YadaDocument.tcl.

**8.15.4.4** `TclNumber YadaDocument::_toolbarFlag = 1` [private]

flag indicating whether the toolbar of this document is shown. This information is kept in sync with `YadaMain::_toolbarFlag` whenever the document is activated.

See also:

`setToggle()`, `activationHandle()`.

Definition at line 38 of file YadaDocument.tcl.

**8.15.4.5** `TclString YadaPlainDocument::hasView = "true"` [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.15.4.6** `TclString YadaPlainDocument::name = ""` [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.15.4.7** `YadaDocument::nextDocument`

link to the next YadaDocument registered to `YadaMain`

Definition at line 265 of file YadaDocument.tcl.

**8.15.4.8** `YadaDocument::prevDocument`

link to the previous YadaDocument registered to `YadaMain`

Definition at line 250 of file YadaDocument.tcl.

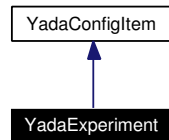
Referenced by forward().

The documentation for this class was generated from the following file:

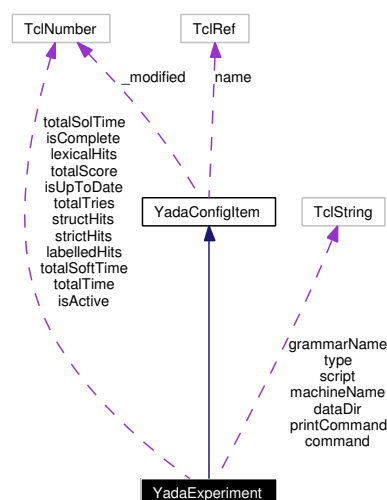
- YadaDocument.tcl

## 8.16 YadaExperiment Class Reference

Inheritance diagram for YadaExperiment:



Collaboration diagram for YadaExperiment:



### 8.16.1 Detailed Description

**YadaExperiment** - bundled information about a experiment. A **YadaExperiment** is the central object of the YADA application. It brings together all the parts that are needed to start **YadaJob** objects forking the parser process in the background and consuming the produced data.

So a **YadaExperiment**

- has a unique name,
- needs a **YadaGrammar**,
- needs a command to fork the parser
- specifies a **YadaMachine** where all jobs are started on,
- a script to be played to the parser itself and
- a unique data directory where the results of the experiments are stored (two files per wordgraph: the standard output and the xml output data)

All **YadaExperiment** objects are accessed via the **YadaExperiments** configuration document. **YadaGrammars** and **YadaMachines** that are available are configured separately.

**Author:**

Michael Daum

**Id**[YadaExperiment.tcl](#), v 1.11 2004/10/15 17:24:37 micha Exp

Definition at line 36 of file YadaExperiment.tcl.

**Public Member Functions**

- **check** ()
- **clone** (TclList args)
- **displayTitle** ()
- **fromDOM** (domNode rootNode)
- **getDocFileName** ()
- **getLogFileName** (TclString wgName)
- **getPersistanceFileName** ()
- **getXmlFileName** (TclString wgName)
- **hasSavedState** ()
- **isModified** ()
- **load** ()
- **print** (TclString message)
- **resetModified** ()
- **resetStatistics** ()
- **save** ()
- **setModified** ()
- **start** ([YadaJob](#) job)
- **toDOM** ()
- **YadaExperiment** (TclList args)

**Public Attributes**

- TclString **command** = ""
- TclString **dataDir** = ""
- TclString **grammarName** = ""
- TclNumber **isActive** = 1
- TclNumber **isComplete** = 0
- TclNumber **isUpToDate** = 0
- TclNumber **labelledHits** = 0
- TclNumber **lexicalHits** = 0
- TclString **machineName** = "localhost"
- TclRef **name**
- TclString **printCommand** = ""
- TclString **script** = ""
- TclNumber **strictHits** = 0
- TclNumber **structHits** = 0
- TclNumber **totalScore** = 0
- TclNumber **totalSoftTime** = 0
- TclNumber **totalSolTime** = 0
- TclNumber **totalTime** = 0
- TclNumber **totalTries** = 0
- TclString **type** = ""

## Protected Attributes

- TclNumber `_modified` = 0

## 8.16.2 Constructor & Destructor Documentation

### 8.16.2.1 YadaExperiment::YadaExperiment (TclList *args*)

constructor

Definition at line 221 of file YadaExperiment.tcl.

## 8.16.3 Member Function Documentation

### 8.16.3.1 YadaConfigItem::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Definition at line 128 of file YadaConfigItem.tcl.

### 8.16.3.2 YadaConfigItem::hasSavedState () [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 115 of file YadaConfigItem.tcl.

### 8.16.3.3 YadaConfigItem::isModified () [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 87 of file YadaConfigItem.tcl.

### 8.16.3.4 YadaConfigItem::load () [inherited]

Loads object state from unique file (depends on object name).

Definition at line 66 of file YadaConfigItem.tcl.

### 8.16.3.5 YadaConfigItem::resetModified () [inherited]

Removes modification mark.

Definition at line 105 of file YadaConfigItem.tcl.

### 8.16.3.6 YadaConfigItem::save () [inherited]

Serializes object state to unique file (depends on object name).

Definition at line 45 of file YadaConfigItem.tcl.

**8.16.3.7 YadaConfigItem::setModified ()** [inherited]

Marks item as modified.

Definition at line 94 of file YadaConfigItem.tcl.

**8.16.4 Member Data Documentation****8.16.4.1 TclString YadaExperiment::command = ""**

path to cdgp binary file

Definition at line 61 of file YadaExperiment.tcl.

**8.16.4.2 TclString YadaExperiment::dataDir = ""**

path where to store all computed data files

Definition at line 64 of file YadaExperiment.tcl.

**8.16.4.3 TclString YadaExperiment::grammarName = ""**

[YadaGrammar](#) to apply this experiment.

Definition at line 67 of file YadaExperiment.tcl.

**8.16.4.4 TclNumber YadaExperiment::isActive = 1**

flag indicating whether this experiment is currently waiting for a [YadaJob](#) to finish. Definition at line 77 of file YadaExperiment.tcl.

**8.16.4.5 TclNumber YadaExperiment::isComplete = 0**

flag indicating whether all data has been computed for this experiment, so no more YadaJobs are needed. Definition at line 81 of file YadaExperiment.tcl.

**8.16.4.6 TclNumber YadaExperiment::isUpToDate = 0**

flag indicating whether all statistics in all data has been collected or not. Definition at line 85 of file YadaExperiment.tcl.

**8.16.4.7 TclNumber YadaExperiment::labelledHits = 0**

labelled hits collected in the experiments data files.

Definition at line 95 of file YadaExperiment.tcl.

**8.16.4.8 TclNumber YadaExperiment::lexicalHits = 0**

lexical hits collected in the experiments data files.

Definition at line 101 of file YadaExperiment.tcl.

#### 8.16.4.9 TclString [YadaExperiment::machineName](#) = "localhost"

[YadaMachine](#) where to schedule resulting YadaJobs on.

Definition at line 70 of file YadaExperiment.tcl.

#### 8.16.4.10 TclString [YadaExperiment::printCommand](#) = ""

tcl command used to print a message.

**See also:**

[print\(\)](#)

Definition at line 89 of file YadaExperiment.tcl.

#### 8.16.4.11 TclString [YadaExperiment::script](#) = ""

CDGP script to feed into the STDIN of a [CdgProcess](#).

Definition at line 73 of file YadaExperiment.tcl.

#### 8.16.4.12 TclNumber [YadaExperiment::strictHits](#) = 0

strict hits collected in the experiments data files.

Definition at line 98 of file YadaExperiment.tcl.

#### 8.16.4.13 TclNumber [YadaExperiment::structHits](#) = 0

struct hits collected in the experiments data files.

Definition at line 104 of file YadaExperiment.tcl.

#### 8.16.4.14 TclNumber [YadaExperiment::totalScore](#) = 0

total scores collected in the experiments data files.

Definition at line 92 of file YadaExperiment.tcl.

#### 8.16.4.15 TclNumber [YadaExperiment::totalSoftTime](#) = 0

total soft time collected in the experiments data files.

Definition at line 116 of file YadaExperiment.tcl.

#### 8.16.4.16 TclNumber [YadaExperiment::totalSolTime](#) = 0

total solution time collected in the experiments data files.

Definition at line 113 of file YadaExperiment.tcl.

**8.16.4.17 TclNumber `YadaExperiment::totalTime` = 0**

total time collected in the experiments data files.

Definition at line 110 of file YadaExperiment.tcl.

**8.16.4.18 TclNumber `YadaExperiment::totalTries` = 0**

total number of tries collected in the experiments data files.

Definition at line 107 of file YadaExperiment.tcl.

**8.16.4.19 TclString `YadaExperiment::type` = ""**

the name of the experiment

the type of the experiment. The type of the experiment specifies the parsing flavour used. Possible sensefull values by now are

- annotation (which is actually now parsing flavour but a way to compute parses via `anno2parse()`)
- arconsistency
- frobbing
- genetic
- gls
- incremental completion
- isearch
- netsearch
- pruning
- wfst

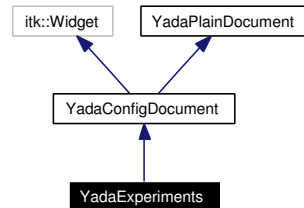
Definition at line 58 of file YadaExperiment.tcl.

The documentation for this class was generated from the following file:

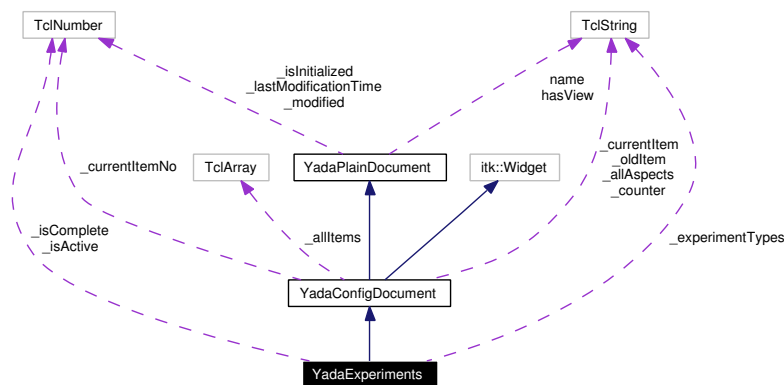
- YadaExperiment.tcl

## 8.17 YadaExperiments Class Reference

Inheritance diagram for YadaExperiments:



Collaboration diagram for YadaExperiments:



### 8.17.1 Detailed Description

YadaExperiments - configure document for all experiments.

**Author:**

Michael Daum

**Id**

[YadaExperiments.tcl](#), v 1.9 2004/10/15 17:24:37 micha Exp

Definition at line 19 of file YadaExperiments.tcl.

### Public Member Functions

- [activationHandle](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [fromDOM](#) (domNode node)
- [getActiveExperiments](#) (TclList args)
- [getAllItemNames](#) (TclList args)
- [getAllItems](#) (TclList args)
- [getCurrentItem](#) ()

- [getItem](#) (TclString [name](#))
- [getItemNo](#) (TclString [name](#))
- [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setCurrentItem](#) ([YadaConfigItem](#) item)
- [setItem](#) ([YadaConfigItem](#) item)
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [unsetItem](#) ([YadaConfigItem](#) item)
- [YadaExperiments](#) (TclList args)

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

## Protected Member Functions

- [\\_askChange](#) ()
- [\\_getMarked](#) ()
- [\\_mark](#) (TclString aspect, TclString newData="undef", TclString oldData="undef")
- [\\_unmark](#) (TclString aspect="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue, TclString oldValue="")
- [isValidPersistanceFile](#) (TclString fileName)
- [updateModificationTime](#) ()

## Protected Attributes

- TclString [\\_allAspects](#) = ""
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_oldItem](#) = "<none>"

## Private Member Functions

- [\\_checkExperiment](#) ()
- [\\_commit](#) ()
- [\\_dataDirChooser](#) ()
- [\\_defaults](#) (TclString fileName="")
- [\\_delete](#) ()

- [\\_initGrammarNames](#) ()
- [\\_mark](#) (TclString aspect)
- [\\_new](#) ()
- [\\_select](#) (TclString experimentName="")

## Private Attributes

- TclString [\\_experimentTypes](#) = ""
- TclNumber [\\_isActive](#) = 1
- TclNumber [\\_isComplete](#) = 0

## 8.17.2 Constructor & Destructor Documentation

### 8.17.2.1 YadaExperiments::YadaExperiments (TclList *args*)

constructor

Definition at line 54 of file YadaExperiments.tcl.

## 8.17.3 Member Function Documentation

### 8.17.3.1 YadaConfigDocument::\_askChange () [protected, inherited]

[\\_askChange](#)

Definition at line 342 of file YadaConfigDocument.tcl.

Referenced by [YadaConfigDocument::\\_selectCommand\(\)](#).

### 8.17.3.2 YadaExperiments::\_checkExperiment () [private]

[\\_checkExperiment](#)

Definition at line 770 of file YadaExperiments.tcl.

### 8.17.3.3 YadaExperiments::\_commit () [private]

[\\_commit](#)

Reimplemented from [YadaConfigDocument](#).

Definition at line 430 of file YadaExperiments.tcl.

### 8.17.3.4 YadaExperiments::\_dataDirChooser () [private]

[\\_dataDirChooser](#)

Definition at line 531 of file YadaExperiments.tcl.

**8.17.3.5 YadaExperiments::\_defaults (TclString *fileName* = "") [private]**

\_defaults

Reimplemented from [YadaConfigDocument](#).

Definition at line 609 of file YadaExperiments.tcl.

**8.17.3.6 YadaExperiments::\_delete () [private, virtual]**

\_delete

Implements [YadaConfigDocument](#).

Definition at line 564 of file YadaExperiments.tcl.

**8.17.3.7 YadaConfigDocument::\_getMarked () [protected, inherited]**

\_getMarked

Definition at line 427 of file YadaConfigDocument.tcl.

**8.17.3.8 YadaConfigDocument::\_mark (TclString *aspect*, TclString *newData* = "undef", TclString *oldData* = "undef") [protected, inherited]**

\_mark

Definition at line 402 of file YadaConfigDocument.tcl.

**8.17.3.9 YadaExperiments::\_mark (TclString *aspect*) [private]**

\_mark

Definition at line 715 of file YadaExperiments.tcl.

**8.17.3.10 YadaExperiments::\_new () [private, virtual]**

\_new

Implements [YadaConfigDocument](#).

Definition at line 477 of file YadaExperiments.tcl.

**8.17.3.11 YadaExperiments::\_select (TclString *experimentName* = "") [private]**

\_select

update title bar

Reimplemented from [YadaConfigDocument](#).

Definition at line 336 of file YadaExperiments.tcl.

**8.17.3.12 YadaConfigDocument::\_unmark (TclString *aspect* = "")** [protected, inherited]

\_unmark

Definition at line 389 of file YadaConfigDocument.tcl.

**8.17.3.13 YadaConfigDocument::\_validateCommand (TclString *aspect*, TclString *newValue*, TclString *oldValue* = "")** [protected, inherited]

\_validateCommand

Definition at line 450 of file YadaConfigDocument.tcl.

**8.17.3.14 YadaExperiments::activationHandle ()** [virtual]

activationHandle

Reimplemented from [YadaConfigDocument](#).

Definition at line 752 of file YadaExperiments.tcl.

**8.17.3.15 YadaPlainDocument::deActivationHandle ()** [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

**8.17.3.16 YadaConfigDocument::displayTitle ()** [inherited]

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 668 of file YadaConfigDocument.tcl.

**8.17.3.17 YadaExperiments::getActiveExperiments (TclList *args*)**

getActiveExperiments

Definition at line 701 of file YadaExperiments.tcl.

**8.17.3.18 YadaConfigDocument::getAllItemNames (TclList *args*)** [inherited]

getAllItemNames

**Returns:**

a list of all known names of YadaConfigItems in this document

Definition at line 605 of file YadaConfigDocument.tcl.

**8.17.3.19 YadaConfigDocument::getAllItems (TclList *args*)** [inherited]

getAllItems

**Returns:**

a list of all known YadaConfigItems in this document

Definition at line 591 of file YadaConfigDocument.tcl.

**8.17.3.20 YadaConfigDocument::getCurrentItem ()** [inherited]

getCurrentItem

**Returns:**

the currently displayed [YadaConfigItem](#)

Definition at line 499 of file YadaConfigDocument.tcl.

References YadaConfigDocument::\_setCounter().

**8.17.3.21 YadaConfigDocument::getItem (TclString *name*)** [inherited]

getItem

Definition at line 579 of file YadaConfigDocument.tcl.

Referenced by YadaConfigDocument::getItemNo().

**8.17.3.22 YadaConfigDocument::getItemNo (TclString *name*)** [inherited]

getItemNo

Definition at line 571 of file YadaConfigDocument.tcl.

References YadaConfigDocument::getItem().

**8.17.3.23 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.17.3.24 YadaExperiments::init ()** [virtual]

init

Reimplemented from [YadaConfigDocument](#).

Definition at line 304 of file YadaExperiments.tcl.

**8.17.3.25 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.17.3.26 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.17.3.27 YadaExperiments::load ()**

Overriding default implementation. Delegates command to current grammar's load method

Reimplemented from [YadaPlainDocument](#).

Definition at line 784 of file YadaExperiments.tcl.

**8.17.3.28 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.17.3.29 YadaExperiments::save ()**

Overriding default implementation. Delegates command to current grammar's save method

Reimplemented from [YadaPlainDocument](#).

Definition at line 798 of file YadaExperiments.tcl.

**8.17.3.30 YadaConfigDocument::setCurrentItem ([YadaConfigItem](#) *item*)** [inherited]

setCurrentItem

Definition at line 519 of file YadaConfigDocument.tcl.

**8.17.3.31 YadaConfigDocument::setItem ([YadaConfigItem](#) *item*)** [inherited]

setItem

Definition at line 558 of file YadaConfigDocument.tcl.

**8.17.3.32 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

### 8.17.3.33 YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = "") [inherited]

setToggle

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file YadaPlainDocument.tcl.

References YadaPlainDocument::load().

### 8.17.3.34 YadaConfigDocument::unsetItem (YadaConfigItem *item*) [inherited]

unsetItem

Definition at line 540 of file YadaConfigDocument.tcl.

### 8.17.3.35 YadaPlainDocument::updateModificationTime () [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

## 8.17.4 Member Data Documentation

### 8.17.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

### 8.17.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

### 8.17.4.3 TclString [YadaPlainDocument::hasView](#) = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

### 8.17.4.4 TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

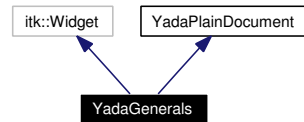
Definition at line 25 of file YadaPlainDocument.tcl.

The documentation for this class was generated from the following file:

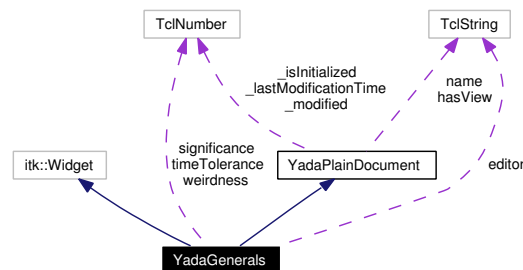
- YadaExperiments.tcl

## 8.18 YadaGenerals Class Reference

Inheritance diagram for YadaGenerals:



Collaboration diagram for YadaGenerals:



### 8.18.1 Detailed Description

YadaGenerals - stuff that didn't fit anywhere else til now. This class just offers a gui for some settings that we'd like to access but no special gui like the [YadaExperiments](#) or the [YadaGrammars](#) are done yet. That is there is no YadaConfigItems that we deal with here. Therefore The YadaGenerals don't inherit [YadaConfigDocument](#).

#### Author:

Michael Daum

#### Id

[YadaGenerals.tcl](#),v 1.14 2004/09/06 13:41:13 micha Exp

Definition at line 23 of file YadaGenerals.tcl.

### Public Member Functions

- [activationHandle](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [fromDOM](#) (domNode rootNode)
- virtual [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()

- [save](#) ()
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [YadaGenerals](#) (TclList args)

## Public Attributes

- TclString [editor](#) = ""
- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- TclNumber [significance](#) = 1.1
- TclNumber [timeTolerance](#) = 500
- TclNumber [weirdness](#) = 1

## Protected Member Functions

- [updateModificationTime](#) ()

## Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

## Private Member Functions

- [\\_commit](#) ()

## 8.18.2 Constructor & Destructor Documentation

### 8.18.2.1 YadaGenerals::YadaGenerals (TclList *args*)

constructor

create submenu entry "New"

add file menu entries Definition at line 59 of file YadaGenerals.tcl.

## 8.18.3 Member Function Documentation

### 8.18.3.1 YadaGenerals::\_commit () [private]

[\\_commit](#)

Definition at line 233 of file YadaGenerals.tcl.

### 8.18.3.2 YadaGenerals::activationHandle () [virtual]

called whenever this document gets activated

activate custom file menu

Reimplemented from [YadaPlainDocument](#).

Definition at line 326 of file YadaGenerals.tcl.

### 8.18.3.3 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References YadaPlainDocument::init().

Referenced by YadaPlainDocument::activationHandle().

### 8.18.3.4 YadaGenerals::displayTitle ()

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 292 of file YadaGenerals.tcl.

### 8.18.3.5 YadaGenerals::fromDOM (domNode rootNode)

Initialize Object with DOM node (that has saved the object state)

#### Parameters:

*rootNode* root DOM-Node (Tag <yada>)

Reimplemented from [YadaPlainDocument](#).

Definition at line 274 of file YadaGenerals.tcl.

### 8.18.3.6 YadaGenerals::getPersistanceFileName () [virtual]

Getting unique file name from registry.

Reimplemented from [YadaPlainDocument](#).

Definition at line 319 of file YadaGenerals.tcl.

### 8.18.3.7 YadaPlainDocument::hasSavedState () [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.18.3.8 YadaGenerals::init ()** [virtual]

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 218 of file YadaGenerals.tcl.

**8.18.3.9 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::setModified\(\)](#).

**8.18.3.10 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.18.3.11 YadaPlainDocument::load ()** [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by [YadaPlainDocument::setToggle\(\)](#).

**8.18.3.12 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::hasSavedState\(\)](#).

Referenced by [YadaPlainDocument::setModified\(\)](#).

**8.18.3.13 YadaPlainDocument::save ()** [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

**8.18.3.14 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### 8.18.3.15 YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = "") [inherited]

setToggle

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file YadaPlainDocument.tcl.

References YadaPlainDocument::load().

#### 8.18.3.16 YadaGenerals::toDOM ()

Serializes Object into a DOM-XML-Node

##### Returns:

root DOM node representing the YadaGenerals-Object (root tag <yada>)

Reimplemented from [YadaPlainDocument](#).

Definition at line 248 of file YadaGenerals.tcl.

#### 8.18.3.17 YadaPlainDocument::updateModificationTime () [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.18.4 Member Data Documentation

#### 8.18.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.18.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

#### 8.18.4.3 TclString [YadaGenerals::editor](#) = ""

the name of an editor to launch when we want to edit something

Definition at line 36 of file YadaGenerals.tcl.

**8.18.4.4 TclString [YadaPlainDocument::hasView](#) = "true" [inherited]**

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.18.4.5 TclString [YadaPlainDocument::name](#) = "" [inherited]**

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.18.4.6 TclNumber [YadaGenerals::significance](#) = 1.1**

percentage indicating a significant difference in a quotient of two numbers.

Definition at line 30 of file YadaGenerals.tcl.

**8.18.4.7 TclNumber [YadaGenerals::timeTolerance](#) = 500**

tolerated time difference which isn't significant for a profiling distinction

Definition at line 33 of file YadaGenerals.tcl.

**8.18.4.8 TclNumber [YadaGenerals::weirdness](#) = 1**

flag indicating how to compute weirdness in the [YadaRunnableDocument](#) s.

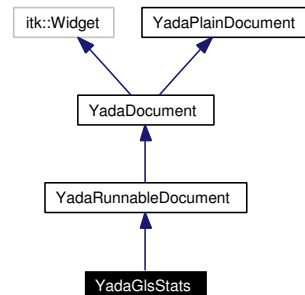
Definition at line 39 of file YadaGenerals.tcl.

The documentation for this class was generated from the following file:

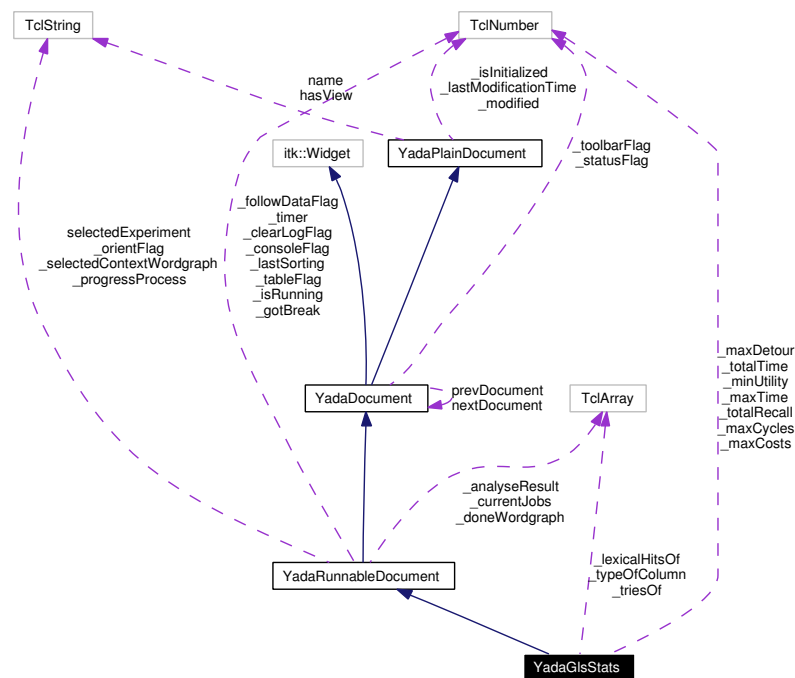
- YadaGenerals.tcl

## 8.19 YadaGlsStats Class Reference

Inheritance diagram for YadaGlsStats:



Collaboration diagram for YadaGlsStats:



### 8.19.1 Detailed Description

YadaGlsStats - extra statistics for gls.

**Author:**

Michael Daum

**Id**

[YadaGlsStats.tcl](#), v 1.24 2004/02/25 14:42:09 micha Exp

Definition at line 19 of file YadaGlsStats.tcl.

## Public Member Functions

- [activationHandle](#) ()
- [askRunall](#) ()
- [backward](#) ()
- [breakJob](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- [fromDOM](#) (domNode node)
- [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [interruptJobs](#) ()
- [isModified](#) ()
- [killJob](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [markWordgraph](#) (TclString wordgraph)
- [print](#) (TclString message)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [run](#) (YadaExperiment experiment="")
- [runall](#) ()
- [save](#) ()
- [selectExperiment](#) (TclString experimentName="")
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [step](#) (TclString wordgraph="")
- [termJob](#) ()
- [toDOM](#) ()
- [unbreakJob](#) ()
- [unmarkWordgraph](#) (TclString wordgraph)
- [YadaGlsStats](#) (TclList args)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString name)

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- YadaDocument [nextDocument](#)
- YadaDocument [prevDocument](#)
- TclString [selectedExperiment](#) = ""

## Protected Member Functions

- [\\_analyseDocument](#) (DomDocument document, TclExperiment experiment)
- [\\_clearRow](#) ()
- [\\_computeSpeedup](#) (TclNumber time1, TclNumber time2)
- [\\_deleteData](#) ()
- [\\_getActiveWordgraphs](#) ()
- [\\_getDoneWork](#) ()
- [\\_getRowOfWordgraph](#) (TclString wordgraph)
- [\\_getSelectedExperiment](#) ()
- [\\_getSelectedWork](#) ()
- [\\_getUndoneWork](#) ()
- [\\_getWordgraphs](#) ()
- [\\_getXMLFileName](#) (TclString wordgraph)
- [\\_insertData](#) (TclString wordgraph, TclList args)
- [\\_jobConsumer](#) (YadaJob job)
- [\\_registerJob](#) (YadaJob job)
- [\\_showContextMenu](#) (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot)
- [\\_traceProcess](#) ()
- [\\_unregisterJob](#) (YadaJob job)
- [\\_viewLogfile](#) (TclList experiments="")
- [\\_viewXmlfile](#) (TclList experiments="")
- [askNewLoad](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [updateModificationTime](#) ()

## Protected Attributes

- TclArray [\\_analyseResult](#)
- TclArray [\\_doneWordgraph](#)
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_selectedContextWordgraph](#) = ""

## Private Member Functions

- [\\_analyseDocument](#) (DomDocument document, [YadaExperiment](#) experiment)
- [\\_computeStatistics](#) ()
- [\\_getTypeOfColumn](#) (TclNumber colNo)
- [\\_judgeRow](#) (TclNumber row)
- [\\_resetDataOf](#) (TclList wordgraphs)
- [\\_showStatistics](#) ()

## Private Attributes

- TclArray **\_lexicalHitsOf**
- TclNumber **\_maxCosts** = 0
- TclNumber **\_maxCycles** = 0
- TclNumber **\_maxDetour** = 0
- TclNumber **\_maxTime** = 0
- TclNumber **\_minUtility** = 0
- TclNumber **\_totalRecall** = 0.0
- TclNumber **\_totalTime** = 0
- TclArray **\_triesOf**
- TclArray **\_typeOfColumn**

## 8.19.2 Constructor & Destructor Documentation

### 8.19.2.1 YadaGlsStats::YadaGlsStats (TclList *args*)

constructor

Definition at line 54 of file YadaGlsStats.tcl.

## 8.19.3 Member Function Documentation

### 8.19.3.1 YadaRunnableDocument::\_analyseDocument (DomDocument *document*, TclExperiment *experiment*) [protected, inherited]

analyse a given DomDocument produced with the help of a [YadaExperiment](#). This method extracts all the information that we normally are interested in in runnable documents. Classes (like [YadaGlsStats](#)) overload this function and extract extra information not analysed here. So as a sideeffect the resulting data is stored into the protected variable `_analyseResult` as documented above. In some cases where the DomDocument is illformed we still try to extract as many information as possible. In case of any error you will notice that by a return code of 0. Error messages are give by [print\(\)](#). The *experiment* is consulted especially when no evaluation data is contained in the *document* in order to get the number of tries in the statistics correctly an which is only provided by the used CDG grammar, especially the contained annotation of the lattice.

#### Parameters:

*document* the DomDocument resulting from a dom parse

*experiment* the experiment with which we produced this document

Definition at line 1051 of file YadaRunnableDocument.tcl.

### 8.19.3.2 YadaGlsStats::\_analyseDocument (DomDocument *document*, [YadaExperiment](#) *experiment*) [private]

`_analyseDocument`

Definition at line 269 of file YadaGlsStats.tcl.

### 8.19.3.3 YadaRunnableDocument::\_clearRow () [protected, inherited]

`_clearRow`

Definition at line 1641 of file YadaRunnableDocument.tcl.

#### 8.19.3.4 YadaRunnableDocument::\_computeSpeedup (TclNumber *time1*, TclNumber *time2*) [protected, inherited]

\_computeSpeedup

Definition at line 718 of file YadaRunnableDocument.tcl.

#### 8.19.3.5 YadaGlsStats::\_computeStatistics () [private]

\_computeStatistics

Reimplemented from [YadaRunnableDocument](#).

Definition at line 363 of file YadaGlsStats.tcl.

#### 8.19.3.6 YadaRunnableDocument::\_deleteData () [protected, inherited]

\_deleteData

Definition at line 1717 of file YadaRunnableDocument.tcl.

#### 8.19.3.7 YadaRunnableDocument::\_getActiveWordgraphs () [protected, inherited]

\_getActiveWordgraphs

Definition at line 960 of file YadaRunnableDocument.tcl.

#### 8.19.3.8 YadaRunnableDocument::\_getDoneWork () [protected, inherited]

\_getDoneWork

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 819 of file YadaRunnableDocument.tcl.

#### 8.19.3.9 YadaRunnableDocument::\_getRowOfWordgraph (TclString *wordgraph*) [protected, inherited]

\_getRowOfWordgraph

Definition at line 449 of file YadaRunnableDocument.tcl.

#### 8.19.3.10 YadaRunnableDocument::\_getSelectedExperiment () [protected, inherited]

\_getSelectedExperiment

Definition at line 784 of file YadaRunnableDocument.tcl.

#### 8.19.3.11 YadaRunnableDocument::\_getSelectedWork () [protected, inherited]

\_getSelectedWork

Definition at line 795 of file YadaRunnableDocument.tcl.

**8.19.3.12 YadaGlsStats::\_getTypeOfColumn (TclNumber *colNo*)** [private]

`_getTypeOfColumn`

Reimplemented from [YadaRunnableDocument](#).

Definition at line 469 of file YadaGlsStats.tcl.

**8.19.3.13 YadaRunnableDocument::\_getUndoneWork ()** [protected, inherited]

`_getUndoneWork`

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 835 of file YadaRunnableDocument.tcl.

**8.19.3.14 YadaRunnableDocument::\_getWordgraphs ()** [protected, inherited]

`_getWordgraphs`: get all wordgraphs of a experiments grammar

handle the case that only the 'data model' of the document is being used

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 764 of file YadaRunnableDocument.tcl.

**8.19.3.15 YadaRunnableDocument::\_getXMLFileName (TclString *wordgraph*)** [protected, inherited]

Returns wordgraph file name for selected experiment.

Definition at line 1845 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::\_resetDataOf().

**8.19.3.16 YadaRunnableDocument::\_insertData (TclString *wordgraph*, TclList *args*)** [protected, inherited]

`_insertData`

Definition at line 977 of file YadaRunnableDocument.tcl.

**8.19.3.17 YadaRunnableDocument::\_jobConsumer ([YadaJob](#) *job*)** [protected, inherited]

`_jobConsumer`

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1378 of file YadaRunnableDocument.tcl.

**8.19.3.18 YadaGlsStats::\_judgeRow (TclNumber *row*)** [private]

`_judgeRow`

Definition at line 484 of file YadaGlsStats.tcl.

**8.19.3.19 YadaRunnableDocument::\_registerJob (YadaJob job) [protected, inherited]**

\_registerJob

Definition at line 1430 of file YadaRunnableDocument.tcl.

**8.19.3.20 YadaGlsStats::\_resetDataOf (TclList wordgraphs) [private]**

\_resetDataOf

Reimplemented from [YadaRunnableDocument](#).

Definition at line 500 of file YadaGlsStats.tcl.

**8.19.3.21 YadaRunnableDocument::\_showContextMenu (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot) [protected, inherited]**

\_showContextMenu

Definition at line 1538 of file YadaRunnableDocument.tcl.

**8.19.3.22 YadaGlsStats::\_showStatistics () [private]**

\_showStatistics

Definition at line 428 of file YadaGlsStats.tcl.

**8.19.3.23 YadaRunnableDocument::\_traceProcess () [protected, inherited]**

\_traceProcess

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1655 of file YadaRunnableDocument.tcl.

**8.19.3.24 YadaRunnableDocument::\_unregisterJob (YadaJob job) [protected, inherited]**

\_unregisterJob

Definition at line 1438 of file YadaRunnableDocument.tcl.

**8.19.3.25 YadaRunnableDocument::\_viewLogfile (TclList experiments = "") [protected, inherited]**

display logfile of a experiment. This method reads the logfiles of one or more experiments given a selected wordgraph in \_selectedContextWordgraph.

**Parameters:**

*experiments* the optional list of experiments that we want to display. if the list is empty the we fetch the currently selected experiments via [\\_getSelectedExperiment\(\)](#).

Definition at line 1554 of file YadaRunnableDocument.tcl.

**8.19.3.26 YadaRunnableDocument::\_viewXmlfile** (TclList *experiments* = "") [protected, inherited]

\_viewXmlfile

Definition at line 1597 of file YadaRunnableDocument.tcl.

**8.19.3.27 YadaGlsStats::activationHandle** () [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 332 of file YadaGlsStats.tcl.

**8.19.3.28 YadaDocument::askNewLoad** () [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

**8.19.3.29 YadaRunnableDocument::askRunall** () [inherited]

askRunall

Definition at line 1456 of file YadaRunnableDocument.tcl.

**8.19.3.30 YadaDocument::backward** () [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

**8.19.3.31 YadaRunnableDocument::breakJob** () [inherited]

breakJob

Definition at line 493 of file YadaRunnableDocument.tcl.

References [printMessage\(\)](#).

**8.19.3.32 YadaGlsStats::clear** ()

clear

Reimplemented from [YadaRunnableDocument](#).

Definition at line 226 of file YadaGlsStats.tcl.

**8.19.3.33 YadaPlainDocument::deActivationHandle** () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References `YadaPlainDocument::init()`.

Referenced by `YadaPlainDocument::activationHandle()`.

#### **8.19.3.34 YadaPlainDocument::displayTitle ()** [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

#### **8.19.3.35 YadaDocument::forward ()** [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References `YadaDocument::prevDocument`.

Referenced by `YadaDocument::backward()`.

#### **8.19.3.36 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by `YadaPlainDocument::resetModified()`.

#### **8.19.3.37 YadaRunnableDocument::init ()** [virtual, inherited]

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 689 of file YadaRunnableDocument.tcl.

#### **8.19.3.38 YadaRunnableDocument::interruptJobs ()** [inherited]

interruptJobs

Definition at line 519 of file YadaRunnableDocument.tcl.

#### **8.19.3.39 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References `YadaPlainDocument::setModified()`.

**8.19.3.40 YadaRunnableDocument::killJob ()** [inherited]

killJob

Definition at line 551 of file YadaRunnableDocument.tcl.

**8.19.3.41 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.19.3.42 YadaPlainDocument::load ()** [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

**8.19.3.43 YadaRunnableDocument::loadUpdatedWordgraphs (TclList args)** [protected, inherited]

loadUpdatedWordgraphs

Reimplemented from [YadaDocument](#).

Definition at line 903 of file YadaRunnableDocument.tcl.

**8.19.3.44 YadaRunnableDocument::markWordgraph (TclString wordgraph)** [inherited]

markWordgraph

Definition at line 863 of file YadaRunnableDocument.tcl.

**8.19.3.45 YadaDocument::newDocument (TclString className, TclString name)** [static, inherited]

newDocument

Definition at line 319 of file YadaDocument.tcl.

**8.19.3.46 YadaRunnableDocument::print (TclString message)** [inherited]

print

Definition at line 895 of file YadaRunnableDocument.tcl.

**8.19.3.47 YadaRunnableDocument::reload ()** [inherited]

reload

Reimplemented in [YadaRunner](#).

Definition at line 567 of file YadaRunnableDocument.tcl.

**8.19.3.48 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.19.3.49 YadaRunnableDocument::resortRows ()** [inherited]

resortRows

Definition at line 999 of file YadaRunnableDocument.tcl.

References YadaRunnableDocument::sortRows().

**8.19.3.50 YadaRunnableDocument::run ([YadaExperiment](#) *experiment* = " ")** [inherited]

run

Definition at line 1206 of file YadaRunnableDocument.tcl.

**8.19.3.51 YadaRunnableDocument::runall ()** [inherited]

runall

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1260 of file YadaRunnableDocument.tcl.

**8.19.3.52 YadaRunnableDocument::save ()** [inherited]

Overridden method.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1858 of file YadaRunnableDocument.tcl.

**8.19.3.53 YadaRunnableDocument::selectExperiment (TclString *experimentName* = " ")**  
[inherited]

selectExperiment

Set initial modification time to react to concurrent file changes Definition at line 1502 of file YadaRunnableDocument.tcl.

**8.19.3.54 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::resetModified\(\)](#).

Referenced by [YadaPlainDocument::isModified\(\)](#).

**8.19.3.55 YadaRunnableDocument::setToggle (TclString *name*, TclRef *value* = "")**  
[inherited]

setToggle

Reimplemented from [YadaDocument](#).

Definition at line 1770 of file YadaRunnableDocument.tcl.

**8.19.3.56 YadaGlsStats::sortRows (TclNumber *colNo*, TclList *args*)**

sortRows

Reimplemented from [YadaRunnableDocument](#).

Definition at line 476 of file YadaGlsStats.tcl.

**8.19.3.57 YadaRunnableDocument::step (TclString *wordgraph* = "")** [inherited]

step

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1149 of file YadaRunnableDocument.tcl.

**8.19.3.58 YadaRunnableDocument::termJob ()** [inherited]

termJob

Definition at line 535 of file YadaRunnableDocument.tcl.

**8.19.3.59 YadaRunnableDocument::unbreakJob ()** [inherited]

unbreakJob

Definition at line 633 of file YadaRunnableDocument.tcl.

**8.19.3.60 YadaRunnableDocument::unmarkWordgraph (TclString *wordgraph*)** [inherited]

unmarkWordgraph

Definition at line 850 of file YadaRunnableDocument.tcl.

### 8.19.3.61 **YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

## 8.19.4 Member Data Documentation

### 8.19.4.1 **TclArray YadaRunnableDocument::\_analyseResult** [protected, inherited]

results of `_analyseDocument()`. This variable is modified by `_analyseDocument()` in a sideeffect. Outside this method we only read `_analyseResult`. The filled values are:

- `wordgraph`: the name of the wordgraph in the DomDocument
- `noValues`: the number of levelvalues in a computed constraintnet
- `score`: the score of a found parse
- `totalTime`: the total amount of time needed to terminate the solution method
- `solutionTime`: the time to find the parse
- `softTime`: the time to find the first parse without any hard violations
- `tries`: the number of tried items in the solution parse
- `structHits`: the number of structural correct items in the solution parse
- `labelledHits`: the number of structural correct and correctly labelled items
- `lexicalHits`: the number of structural, labelled and lexically correct items
- `strictHits`: the number of identical dependency edges

Definition at line 52 of file YadaRunnableDocument.tcl.

### 8.19.4.2 **TclArray YadaRunnableDocument::\_doneWordgraph** [protected, inherited]

hash mapping wordgraph ids to 0 or 1. This indicates whether a wordgraph has been computed or not. Definition at line 60 of file YadaRunnableDocument.tcl.

### 8.19.4.3 **TclNumber YadaRunnableDocument::\_gotBreak = 0** [protected, inherited]

flag to indicate a received break signal

Definition at line 32 of file YadaRunnableDocument.tcl.

### 8.19.4.4 **TclNumber YadaPlainDocument::\_isInitialized = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. `YadaConfigDocument::init()` or `YadaRunnableDocument::init()`. Definition at line 36 of file YadaPlainDocument.tcl.

**8.19.4.5** TclNumber [YadaRunnableDocument::\\_isRunning](#) = 0 [protected, inherited]

flag to indicate that the document is currently busy

Definition at line 35 of file YadaRunnableDocument.tcl.

**8.19.4.6** TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.19.4.7** TclString [YadaRunnableDocument::\\_selectedContextWordgraph](#) = "" [protected, inherited]

the wordgraph selected by a right mouse click on the table.

Definition at line 56 of file YadaRunnableDocument.tcl.

**8.19.4.8** TclString [YadaPlainDocument::hasView](#) = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.19.4.9** TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.19.4.10** [YadaDocument::nextDocument](#) [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.19.4.11** [YadaDocument::prevDocument](#) [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

Referenced by [YadaDocument::forward\(\)](#).

**8.19.4.12** TclString [YadaRunnableDocument::selectedExperiment](#) = "" [inherited]

Needed for instantiations without view.

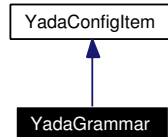
Definition at line 28 of file YadaRunnableDocument.tcl.

The documentation for this class was generated from the following file:

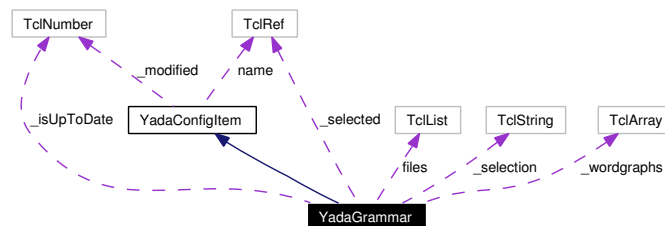
- `YadaGlsStats.tcl`

## 8.20 YadaGrammar Class Reference

Inheritance diagram for YadaGrammar:



Collaboration diagram for YadaGrammar:



### 8.20.1 Detailed Description

YadaGrammar - bundled information about a CDG grammar

**Author:**

Michael Daum

**Id**

[YadaGrammar.tcl](#), v 1.24 2004/10/15 17:24:37 micha Exp

Definition at line 19 of file YadaGrammar.tcl.

### Public Member Functions

- [clone](#) (TclList args)
- [deleteWordgraphs](#) ()
- [displayTitle](#) ()
- [fromDOM](#) (domNode rootNode)
- [getPersistenceFileName](#) ()
- [getSelection](#) ()
- [getWordgraph](#) (TclString wgName)
- [getWordgraphs](#) ()
- [hasSavedState](#) ()
- [isModified](#) ()
- [isUpToDate](#) ()
- [load](#) ()
- [persistenceFileInSync](#) ()
- [rescan](#) ()

- [resetModified](#) ()
- [save](#) ()
- [scan](#) ()
- [setModified](#) ()
- [setSelection](#) (TclList args)
- [setWordgraph](#) ([YadaWordgraph](#) wordgraph)
- [toDOM](#) ()

## Public Attributes

- TclList [files](#) = {}
- TclRef [name](#)

## Protected Attributes

- TclNumber [\\_modified](#) = 0

## Private Member Functions

- [YadaGrammar](#) (TclList args)
- [~YadaGrammar](#) ()

## Private Attributes

- TclNumber [\\_isUpToDate](#) = 0
- TclRef [\\_selected](#)
- TclString [\\_selection](#) = ""
- TclArray [\\_wordgraphs](#)

## 8.20.2 Constructor & Destructor Documentation

### 8.20.2.1 [YadaGrammar::YadaGrammar](#) (TclList *args*) [private]

constructor

Definition at line 67 of file [YadaGrammar.tcl](#).

### 8.20.2.2 [YadaGrammar::~~YadaGrammar](#) () [private]

destructor

Definition at line 76 of file [YadaGrammar.tcl](#).

## 8.20.3 Member Function Documentation

### 8.20.3.1 [YadaGrammar::clone](#) (TclList *args*)

clone

Definition at line 338 of file [YadaGrammar.tcl](#).

### 8.20.3.2 YadaGrammar::deleteWordgraphs ()

deleteWordgraphs

Definition at line 153 of file YadaGrammar.tcl.

### 8.20.3.3 YadaConfigItem::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Definition at line 128 of file YadaConfigItem.tcl.

### 8.20.3.4 YadaGrammar::fromDOM (domNode *rootNode*)

Initialize Object with DOM node (that has saved the object state)

#### Parameters:

*rootNode* root DOM-Node (Tag <yada>)

Reimplemented from [YadaConfigItem](#).

Definition at line 122 of file YadaGrammar.tcl.

### 8.20.3.5 YadaGrammar::getPersistenceFileName () [virtual]

Getting unique file name from registry.

Implements [YadaConfigItem](#).

Definition at line 412 of file YadaGrammar.tcl.

### 8.20.3.6 YadaGrammar::getSelection ()

getSelection

Definition at line 331 of file YadaGrammar.tcl.

### 8.20.3.7 YadaGrammar::getWordgraph (TclString *wgName*)

getWordgraph

Definition at line 176 of file YadaGrammar.tcl.

### 8.20.3.8 YadaGrammar::getWordgraphs ()

getWordgraphs

Definition at line 164 of file YadaGrammar.tcl.

### 8.20.3.9 YadaConfigItem::hasSavedState () [inherited]

Predicate returning 1, if file containing persistent state of [YadaGrammar](#) exists, otherwise 0 Definition at line 115 of file YadaConfigItem.tcl.

**8.20.3.10 YadaConfigItem::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 87 of file YadaConfigItem.tcl.

**8.20.3.11 YadaGrammar::isUpToDate ()**

Returns the value of private member variable `_isUpToDate`.

Definition at line 377 of file YadaGrammar.tcl.

**8.20.3.12 YadaConfigItem::load ()** [inherited]

Loads object state from unique file (depends on object name).

Definition at line 66 of file YadaConfigItem.tcl.

**8.20.3.13 YadaGrammar::persistenceFileInSync ()**

Predicate returning 1, if grammar file has been changed since the last saving, otherwise 0 If no persistent state file exists, 1 is returned Definition at line 388 of file YadaGrammar.tcl.

**8.20.3.14 YadaGrammar::rescan ()**

rescan

# for debugging Definition at line 208 of file YadaGrammar.tcl.

**8.20.3.15 YadaConfigItem::resetModified ()** [inherited]

Removes modification mark.

Definition at line 105 of file YadaConfigItem.tcl.

**8.20.3.16 YadaConfigItem::save ()** [inherited]

Serializes object state to unique file (depends on object name).

Definition at line 45 of file YadaConfigItem.tcl.

**8.20.3.17 YadaGrammar::scan ()**

scan

Definition at line 199 of file YadaGrammar.tcl.

**8.20.3.18 YadaConfigItem::setModified ()** [inherited]

Marks item as modified.

Definition at line 94 of file YadaConfigItem.tcl.

### 8.20.3.19 YadaGrammar::setSelection (TclList *args*)

setSelection

Definition at line 315 of file YadaGrammar.tcl.

### 8.20.3.20 YadaGrammar::setWordgraph ([YadaWordgraph](#) *wordgraph*)

setWordgraph registers a [YadaWordgraph](#) object Definition at line 188 of file YadaGrammar.tcl.

### 8.20.3.21 YadaGrammar::toDOM ()

Serializes Object into a DOM-XML-Node

#### Returns:

root DOM node representing the Grammar-Object (root tag <yada>)

Reimplemented from [YadaConfigItem](#).

Definition at line 85 of file YadaGrammar.tcl.

## 8.20.4 Member Data Documentation

### 8.20.4.1 TclNumber [YadaGrammar::\\_isUpToDate](#) = 0 [private]

flag indicating whether the grammars `_wordgraphs` are up to date. If not we reconstruct this array in [scan\(\)](#) or [rescan\(\)](#). Definition at line 36 of file YadaGrammar.tcl.

### 8.20.4.2 TclRef [YadaGrammar::\\_selected](#) [private]

array mapping selection attribute to wordgraph-id

Definition at line 39 of file YadaGrammar.tcl.

### 8.20.4.3 TclString [YadaGrammar::\\_selection](#) = "" [private]

list of selected wordgraph ids

Definition at line 29 of file YadaGrammar.tcl.

### 8.20.4.4 TclArray [YadaGrammar::\\_wordgraphs](#) [private]

array mapping wordgraph ids to [YadaWordgraph](#) s

Definition at line 32 of file YadaGrammar.tcl.

### 8.20.4.5 [YadaGrammar::files](#) = {}

list of all files making up the grammar

Definition at line 360 of file YadaGrammar.tcl.

The documentation for this class was generated from the following file:

- `YadaGrammar.tcl`



- [getAllItems](#) (TclList args)
- [getCurrentItem](#) ()
- [getItem](#) (TclString name)
- [getItemNo](#) (TclString name)
- [getPersistenceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setCurrentItem](#) (YadaConfigItem item)
- [setItem](#) (YadaConfigItem item)
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [toDOM](#) ()
- [unsetItem](#) (YadaConfigItem item)
- [YadaGrammars](#) (TclList args)

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

## Protected Member Functions

- [\\_askChange](#) ()
- [\\_getMarked](#) ()
- [\\_mark](#) (TclString aspect, TclString newData="undef", TclString oldData="undef")
- [\\_unmark](#) (TclString aspect="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue, TclString oldValue="")
- [isValidPersistenceFile](#) (TclString fileName)
- [updateModificationTime](#) ()

## Protected Attributes

- TclString [\\_allAspects](#) = ""
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_oldItem](#) = "<none>"

## Private Member Functions

- [\\_commit](#) ()
- [\\_defaults](#) (TclString fileName="")
- [\\_delete](#) ()
- [\\_editGrammar](#) ()
- [\\_escapeCommand](#) ()
- [\\_fileChooser](#) ()
- [\\_getSelectedWordgraphs](#) ()
- [\\_invertWordgraphs](#) (TclList wordgraphs="")
- [\\_leaveTableCommand](#) ()
- [\\_lengthSelection](#) (TclNumber min=-1, TclNumber max=-1)
- [\\_mark](#) (TclString aspect)
- [\\_new](#) ()
- [\\_randomSelection](#) ()
- [\\_returnCommand](#) ()
- [\\_select](#) (TclString grammarName="")
- [\\_selectWordgraphs](#) (TclList wordgraphs="")
- [\\_unselectWordgraphs](#) (TclList wordgraphs="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue)
- [loadNonTclGrammars](#) ()

## Private Attributes

- TclNumber [\\_noAllWordgraphs](#) = 0
- TclNumber [\\_noSelWordgraphs](#) = 0
- TclNumber [\\_scannedCurrentGrammar](#) = 0

## 8.21.2 Constructor & Destructor Documentation

### 8.21.2.1 YadaGrammars::YadaGrammars (TclList args)

constructor

Definition at line 71 of file YadaGrammars.tcl.

## 8.21.3 Member Function Documentation

### 8.21.3.1 YadaConfigDocument::\_askChange () [protected, inherited]

[\\_askChange](#)

Definition at line 342 of file YadaConfigDocument.tcl.

Referenced by YadaConfigDocument::\_selectCommand().

### 8.21.3.2 YadaGrammars::\_commit () [private]

[\\_commit](#)

Reimplemented from [YadaConfigDocument](#).

Definition at line 376 of file YadaGrammars.tcl.

**8.21.3.3 YadaGrammars::\_defaults (TclString *fileName* = " ") [private]**

\_defaults

Reimplemented from [YadaConfigDocument](#).

Definition at line 806 of file YadaGrammars.tcl.

**8.21.3.4 YadaGrammars::\_delete () [private, virtual]**

\_delete

Implements [YadaConfigDocument](#).

Definition at line 431 of file YadaGrammars.tcl.

**8.21.3.5 YadaGrammars::\_editGrammar () [private]**

\_editGrammar

Definition at line 792 of file YadaGrammars.tcl.

**8.21.3.6 YadaGrammars::\_escapeCommand () [private]**

\_escapeCommand

Definition at line 873 of file YadaGrammars.tcl.

**8.21.3.7 YadaGrammars::\_fileChooser () [private]**

\_fileChooser

Definition at line 1014 of file YadaGrammars.tcl.

**8.21.3.8 YadaConfigDocument::\_getMarked () [protected, inherited]**

\_getMarked

Definition at line 427 of file YadaConfigDocument.tcl.

**8.21.3.9 YadaGrammars::\_getSelectedWordgraphs () [private]**

\_getSelectedWordgraphs

Definition at line 974 of file YadaGrammars.tcl.

**8.21.3.10 YadaGrammars::\_invertWordgraphs (TclList *wordgraphs* = " ") [private]**

\_invertWordgraphs

Definition at line 750 of file YadaGrammars.tcl.

**8.21.3.11 YadaGrammars::\_leaveTableCommand ()** [private]

\_leaveTableCommand

Definition at line 840 of file YadaGrammars.tcl.

**8.21.3.12 YadaGrammars::\_lengthSelection (TclNumber *min* = -1, TclNumber *max* = -1)**  
[private]

select wordgraphs of a limited length from the current selection. If min or max has not been specified then a dialog pops up to get these values interactively.

**See also:**

YadaGrammar::getWordgraphDistribution()

**Parameters:**

*min* minimum length of a sentence to be selected (optional parameter)

*max* maximum length of a sentence to be selected (optional parameter)

**Returns:**

the selected wordgraph names

Definition at line 930 of file YadaGrammars.tcl.

**8.21.3.13 YadaConfigDocument::\_mark (TclString *aspect*, TclString *newData* = "undef", TclString *oldData* = "undef")** [protected, inherited]

\_mark

Definition at line 402 of file YadaConfigDocument.tcl.

**8.21.3.14 YadaGrammars::\_mark (TclString *aspect*)** [private]

\_mark

Definition at line 554 of file YadaGrammars.tcl.

**8.21.3.15 YadaGrammars::\_new ()** [private, virtual]

\_new

Implements [YadaConfigDocument](#).

Definition at line 477 of file YadaGrammars.tcl.

**8.21.3.16 YadaGrammars::\_randomSelection ()** [private]

select a random subset of the already selected wordgraphs.

Definition at line 888 of file YadaGrammars.tcl.

**8.21.3.17 YadaGrammars::\_rescanGrammar ()**

\_rescanGrammar

Set cursor busy and save old cursors

Restore old cursors Definition at line 989 of file YadaGrammars.tcl.

**8.21.3.18 YadaGrammars::\_returnCommand () [private]**

\_returnCommand

Definition at line 854 of file YadaGrammars.tcl.

**8.21.3.19 YadaGrammars::\_select (TclString *grammarName* = "") [private]**

\_select

update title bar

Reimplemented from [YadaConfigDocument](#).

Definition at line 315 of file YadaGrammars.tcl.

**8.21.3.20 YadaGrammars::\_selectWordgraphs (TclList *wordgraphs* = "") [private]**

\_selectWordgraphs

Definition at line 684 of file YadaGrammars.tcl.

**8.21.3.21 YadaGrammars::\_show ()**

\_show

Definition at line 579 of file YadaGrammars.tcl.

**8.21.3.22 YadaConfigDocument::\_unmark (TclString *aspect* = "") [protected, inherited]**

\_unmark

Definition at line 389 of file YadaConfigDocument.tcl.

**8.21.3.23 YadaGrammars::\_unselectWordgraphs (TclList *wordgraphs* = "") [private]**

\_unselectWordgraphs

Definition at line 717 of file YadaGrammars.tcl.

**8.21.3.24 YadaConfigDocument::\_validateCommand (TclString *aspect*, TclString *newValue*, TclString *oldValue* = "") [protected, inherited]**

\_validateCommand

Definition at line 450 of file YadaConfigDocument.tcl.

**8.21.3.25 YadaGrammars::\_validateCommand** (TclString *aspect*, TclString *newValue*)  
[private]

\_validateCommand

Definition at line 530 of file YadaGrammars.tcl.

**8.21.3.26 YadaConfigDocument::activationHandle** () [virtual, inherited]

activationHandle

activate custom file menu

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaMethods](#), and [YadaExperiments](#).

Definition at line 372 of file YadaConfigDocument.tcl.

**8.21.3.27 YadaPlainDocument::deActivationHandle** () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

**8.21.3.28 YadaConfigDocument::displayTitle** () [inherited]

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 668 of file YadaConfigDocument.tcl.

**8.21.3.29 YadaConfigDocument::getAllItemNames** (TclList *args*) [inherited]

getAllItemNames

**Returns:**

a list of all known names of YadaConfigItems in this document

Definition at line 605 of file YadaConfigDocument.tcl.

**8.21.3.30 YadaConfigDocument::getAllItems** (TclList *args*) [inherited]

getAllItems

**Returns:**

a list of all known YadaConfigItems in this document

Definition at line 591 of file YadaConfigDocument.tcl.

**8.21.3.31 YadaConfigDocument::getCurrentItem ()** [inherited]

getCurrentItem

**Returns:**

the currently displayed [YadaConfigItem](#)

Definition at line 499 of file YadaConfigDocument.tcl.

References [YadaConfigDocument::\\_setCounter\(\)](#).

**8.21.3.32 YadaConfigDocument::getItem (TclString *name*)** [inherited]

getItem

Definition at line 579 of file YadaConfigDocument.tcl.

Referenced by [YadaConfigDocument::getItemNo\(\)](#).

**8.21.3.33 YadaConfigDocument::getItemNo (TclString *name*)** [inherited]

getItemNo

Definition at line 571 of file YadaConfigDocument.tcl.

References [YadaConfigDocument::getItem\(\)](#).

**8.21.3.34 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by [YadaPlainDocument::resetModified\(\)](#).

**8.21.3.35 YadaGrammars::init ()** [virtual]

init

Reimplemented from [YadaConfigDocument](#).

Definition at line 299 of file YadaGrammars.tcl.

**8.21.3.36 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::setModified\(\)](#).

**8.21.3.37 YadaGrammars::isValidPersistenceFile (TclString *fileName*)** [protected]

Checks, whether given file contains valid grammar data, returning an empty string, if it is not valid, otherwise the unique name of the grammar

Reimplemented from [YadaConfigDocument](#).

Definition at line 1122 of file YadaGrammars.tcl.

#### 8.21.3.38 YadaPlainDocument::lastChanged () [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

#### 8.21.3.39 YadaGrammars::load ()

Overriding default implementation. Delegates command to current grammar's load method

Reimplemented from [YadaPlainDocument](#).

Definition at line 1040 of file YadaGrammars.tcl.

#### 8.21.3.40 YadaGrammars::loadNonTclGrammars () [private]

Creates grammar objects, that have no Tcl source, from XML files.

Definition at line 1079 of file YadaGrammars.tcl.

#### 8.21.3.41 YadaPlainDocument::resetModified () [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

#### 8.21.3.42 YadaGrammars::save ()

Overriding default implementation. Delegates command to current grammar's save method

Reimplemented from [YadaPlainDocument](#).

Definition at line 1059 of file YadaGrammars.tcl.

#### 8.21.3.43 YadaConfigDocument::setCurrentItem ([YadaConfigItem](#) *item*) [inherited]

setCurrentItem

Definition at line 519 of file YadaConfigDocument.tcl.

#### 8.21.3.44 YadaConfigDocument::setItem ([YadaConfigItem](#) *item*) [inherited]

setItem

Definition at line 558 of file YadaConfigDocument.tcl.

#### 8.21.3.45 **YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### 8.21.3.46 **YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = "")** [inherited]

setToggle

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file YadaPlainDocument.tcl.

References YadaPlainDocument::load().

#### 8.21.3.47 **YadaConfigDocument::unsetItem (YadaConfigItem *item*)** [inherited]

unsetItem

Definition at line 540 of file YadaConfigDocument.tcl.

#### 8.21.3.48 **YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.21.4 Member Data Documentation

#### 8.21.4.1 **TclNumber YadaPlainDocument::\_isInitialized = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.21.4.2 **TclNumber YadaPlainDocument::\_lastModificationTime = 0** [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

#### 8.21.4.3 **TclString YadaPlainDocument::\_hasView = "true"** [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

#### 8.21.4.4 TclString `YadaPlainDocument::name` = "" [inherited]

name of the document

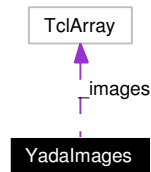
Definition at line 25 of file YadaPlainDocument.tcl.

The documentation for this class was generated from the following file:

- YadaGrammars.tcl

## 8.22 YadaImages Class Reference

Collaboration diagram for YadaImages:



### 8.22.1 Detailed Description

**Author:**

Michael Daum

**Id**

[YadaImages.tcl](#), v 1.11 2004/02/25 14:42:08 micha Exp

Definition at line 59 of file YadaImages.tcl.

### Static Public Member Functions

- [get](#) (TclString *imageName*)

### Static Private Attributes

- TclArray [\\_images](#)

### 8.22.2 Member Function Documentation

#### 8.22.2.1 YadaImages::get (TclString *imageName*) [static]

get named image. This method lets you access the stored image objects by their name. Definition at line 108 of file YadaImages.tcl.

### 8.22.3 Member Data Documentation

#### 8.22.3.1 TclArray [YadaImages::\\_images](#) [static, private]

hash mapping image names to tcl image objects

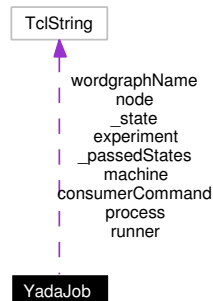
Definition at line 64 of file YadaImages.tcl.

The documentation for this class was generated from the following file:

- YadaImages.tcl

## 8.23 YadaJob Class Reference

Collaboration diagram for YadaJob:



### 8.23.1 Detailed Description

`YadaJob` - bundled information about a yada job. A `YadaJob` is being created with the help of a [YadaExperiment](#) and organizes the computation of a wordgraph on a [YadaMachine](#).

#### Author:

Michael Daum

#### Id

[YadaJob.tcl](#),v 1.7 2004/02/25 14:42:08 micha Exp

Definition at line 21 of file `YadaJob.tcl`.

### Public Member Functions

- [getPassedStates](#) ()
- [getState](#) ()
- [hasPassedState](#) (TclString state)
- [setState](#) (TclString state)
- [YadaJob](#) (TclList args)
- [~YadaJob](#) ()

### Public Attributes

- TclString [consumerCommand](#) = ""
- TclString [experiment](#) = ""
- TclString [machine](#) = ""
- TclString [node](#) = ""
- TclString [process](#) = ""
- TclString [runner](#) = ""
- TclString [wordgraphName](#) = ""

## Private Attributes

- TclString [\\_passedStates](#) = ""
- TclString [\\_state](#) = "created"

## 8.23.2 Constructor & Destructor Documentation

### 8.23.2.1 YadaJob::YadaJob (TclList *args*)

constructor

Definition at line 78 of file YadaJob.tcl.

### 8.23.2.2 YadaJob::~~YadaJob ()

destructor

Definition at line 86 of file YadaJob.tcl.

## 8.23.3 Member Function Documentation

### 8.23.3.1 YadaJob::getPassedStates ()

getPassedStates

Definition at line 118 of file YadaJob.tcl.

References [hasPassedState\(\)](#).

Referenced by [getState\(\)](#).

### 8.23.3.2 YadaJob::getState ()

getState

Definition at line 111 of file YadaJob.tcl.

References [getPassedStates\(\)](#).

### 8.23.3.3 YadaJob::hasPassedState (TclString *state*)

hasPassedState

Definition at line 125 of file YadaJob.tcl.

Referenced by [getPassedStates\(\)](#).

### 8.23.3.4 YadaJob::setState (TclString *state*)

setStatus

Definition at line 95 of file YadaJob.tcl.

### 8.23.4 Member Data Documentation

#### 8.23.4.1 TclString `YadaJob::_passedStates` = "" [private]

list of passed states. `_state`

Definition at line 62 of file `YadaJob.tcl`.

#### 8.23.4.2 TclString `YadaJob::_state` = "created" [private]

state of the job. A `YadaJob` passes a series of states from creation time of this object til its destruction. Possible values are:

- created
- dequeuing
- running
- consuming
- stopping

Definition at line 59 of file `YadaJob.tcl`.

#### 8.23.4.3 TclString `YadaJob::consumerCommand` = ""

consumer callback. After the job has finished we call this tcl command

```
$consumerCommand $thisJob
```

to process the results.

**See also:**

`Process::consumerCommand`

Definition at line 39 of file `YadaJob.tcl`.

#### 8.23.4.4 TclString `YadaJob::experiment` = ""

the name of the `YadaExperiment` for which we created the job.

Definition at line 25 of file `YadaJob.tcl`.

#### 8.23.4.5 TclString `YadaJob::machine` = ""

the `YadaMachine` on which we run this job.

Definition at line 45 of file `YadaJob.tcl`.

#### 8.23.4.6 TclString `YadaJob::node` = ""

the actual node of the machine that this job runs on.

Definition at line 48 of file `YadaJob.tcl`.

**8.23.4.7 TclString [YadaJob::process](#) = ""**

the [CdgProcess](#) that is connected to a running job.

Definition at line 42 of file YadaJob.tcl.

**8.23.4.8 TclString [YadaJob::runner](#) = ""**

the [YadaRunnableDocument](#) that is responsible for this job. especialy all messages that want to be printed are displayed on this document. Definition at line 33 of file YadaJob.tcl.

**8.23.4.9 TclString [YadaJob::wordgraphName](#) = ""**

the wordgraph which we are going to start [YadaJob::experiment](#) on

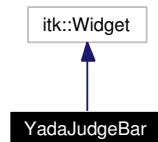
Definition at line 28 of file YadaJob.tcl.

The documentation for this class was generated from the following file:

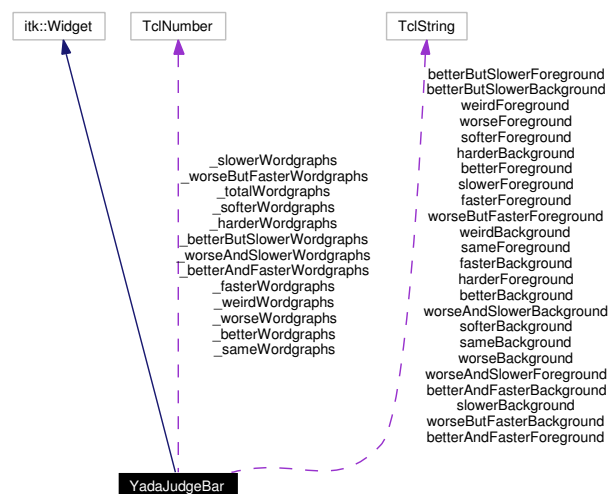
- YadaJob.tcl

## 8.24 YadaJudgeBar Class Reference

Inheritance diagram for YadaJudgeBar:



Collaboration diagram for YadaJudgeBar:



### 8.24.1 Detailed Description

YadaJudgeBar - draw a chart of categories. This widget is used in the [YadaDifference](#) document to visualize the categories between performance and accuracy.

#### Author:

Michael Daum

#### Id

[YadaJudgeBar.tcl](#),v 1.10 2004/02/25 14:42:09 micha Exp

Definition at line 20 of file YadaJudgeBar.tcl.

### Public Member Functions

- [draw](#) (TclList args)
- [YadaJudgeBar](#) (TclList args)

### Public Attributes

- TclString **betterAndFasterBackground** = "green1"

- TclString **betterAndFasterForeground** = "black"
- TclString **betterBackground** = "green2"
- TclString **betterButSlowerBackground** = "green3"
- TclString **betterButSlowerForeground** = "black"
- TclString **betterForeground** = "black"
- TclString **fasterBackground** = "lightblue"
- TclString **fasterForeground** = "black"
- TclString **harderBackground** = "deepskyblue3"
- TclString **harderForeground** = "black"
- TclString **sameBackground** = "gray"
- TclString **sameForeground** = "black"
- TclString **slowerBackground** = "yellow"
- TclString **slowerForeground** = "black"
- TclString **softerBackground** = "deepskyblue1"
- TclString **softerForeground** = "black"
- TclString **weirdBackground** = "pink"
- TclString **weirdForeground** = "black"
- TclString **worseAndSlowerBackground** = "red3"
- TclString **worseAndSlowerForeground** = "white"
- TclString **worseBackground** = "red1"
- TclString **worseButFasterBackground** = "orange"
- TclString **worseButFasterForeground** = "black"
- TclString **worseForeground** = "white"

## Private Member Functions

- [\\_judgeEnter](#) (TclNumber x, TclNumber y)
- [\\_judgeLeave](#) ()

## Private Attributes

- TclNumber **\_betterAndFasterWordgraphs** = 0
- TclNumber **\_betterButSlowerWordgraphs** = 0
- TclNumber **\_betterWordgraphs** = 0
- TclNumber **\_fasterWordgraphs** = 0
- TclNumber **\_harderWordgraphs** = 0
- TclNumber **\_sameWordgraphs** = 0
- TclNumber **\_slowerWordgraphs** = 0
- TclNumber **\_softerWordgraphs** = 0
- TclNumber **\_totalWordgraphs** = 0
- TclNumber **\_weirdWordgraphs** = 0
- TclNumber **\_worseAndSlowerWordgraphs** = 0
- TclNumber **\_worseButFasterWordgraphs** = 0
- TclNumber **\_worseWordgraphs** = 0

## 8.24.2 Constructor & Destructor Documentation

### 8.24.2.1 YadaJudgeBar::YadaJudgeBar (TclList *args*)

constructor

Definition at line 79 of file YadaJudgeBar.tcl.

## 8.24.3 Member Function Documentation

### 8.24.3.1 YadaJudgeBar::\_judgeEnter (TclNumber *x*, TclNumber *y*) [private]

\_judgeEnter

Definition at line 205 of file YadaJudgeBar.tcl.

### 8.24.3.2 YadaJudgeBar::\_judgeLeave () [private]

\_judgeLeave

Definition at line 222 of file YadaJudgeBar.tcl.

### 8.24.3.3 YadaJudgeBar::draw (TclList *args*)

draw

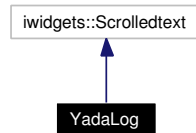
Definition at line 145 of file YadaJudgeBar.tcl.

The documentation for this class was generated from the following file:

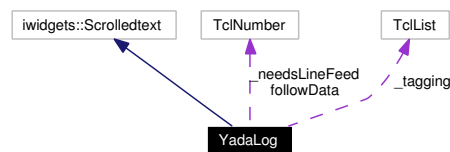
- YadaJudgeBar.tcl

## 8.25 YadaLog Class Reference

Inheritance diagram for YadaLog:



Collaboration diagram for YadaLog:



### 8.25.1 Detailed Description

YadaLog - a text output widget. This class defines a scrollable text window used to display the informations, warnings and errors that occure during YADA.

#### Author:

Michael Daum

#### Id

[YadaLog.tcl](#), v 1.9 2004/02/25 14:42:09 micha Exp

Definition at line 20 of file YadaLog.tcl.

### Public Member Functions

- [autotag](#) (TclString pattern, TclList args)
- [clear](#) ()
- [print](#) (TclString message)
- [YadaLog](#) (TclList args)

### Public Attributes

- TclNumber [followData](#) = 1

### Private Attributes

- TclNumber [\\_needsLineFeed](#) = 0
- TclList [\\_tagging](#) = { }

## 8.25.2 Constructor & Destructor Documentation

### 8.25.2.1 YadaLog::YadaLog (TclList *args*)

constructor

Definition at line 46 of file YadaLog.tcl.

## 8.25.3 Member Function Documentation

### 8.25.3.1 YadaLog::autotag (TclString *pattern*, TclList *args*)

configure syntax highlightning. This method lets you define a pattern as a regular expression and associate tag configurations (see tk::text).

**Parameters:**

*pattern* a regular expression matching a part of printed text.

*args* list of tag configurations in the text widget

Definition at line 125 of file YadaLog.tcl.

### 8.25.3.2 YadaLog::clear ()

clear the text. This simply deletes all previously printed text. Definition at line 114 of file YadaLog.tcl.

### 8.25.3.3 YadaLog::print (TclString *message*)

print a message on the widget. The text is added to the end of the already printed text and highlightened according to the configured autotags.

**See also:**

[autotag\(\)](#). After inserting the text tcltk is given an update loop to refresh its widges.

**Parameters:**

*message* the text to be displayed.

Definition at line 57 of file YadaLog.tcl.

## 8.25.4 Member Data Documentation

### 8.25.4.1 TclNumber [YadaLog::\\_needsLineFeed](#) = 0 [private]

flag used in [print\(\)](#).

Definition at line 29 of file YadaLog.tcl.

### 8.25.4.2 TclList [YadaLog::\\_tagging](#) = {} [private]

list of highlightened patterns in the text.

Definition at line 26 of file YadaLog.tcl.

#### 8.25.4.3 TclNumber `YadaLog::followData` = 1

flag indicating whether new text should be focused or not.

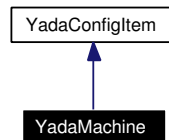
Definition at line 33 of file YadaLog.tcl.

The documentation for this class was generated from the following file:

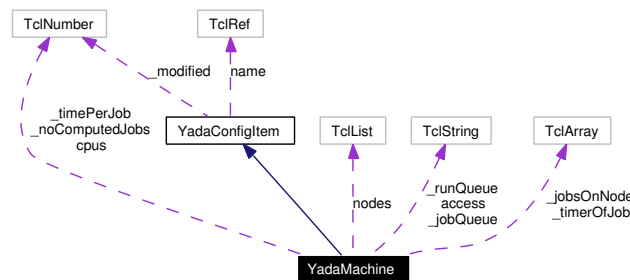
- YadaLog.tcl

## 8.26 YadaMachine Class Reference

Inheritance diagram for YadaMachine:



Collaboration diagram for YadaMachine:



### 8.26.1 Detailed Description

YadaMachine - bundled information about a yada machine

**Note:**

Actually this class should be split into a **YadaScheduler** and a **YadaMachine** the latter of which only contains the configurational part of the current implementation. As things are we add this class to the **YadaScheduler** module *and* the **YadaConfiguration** module, a construction that might be a little wired.

**Author:**

Michael Daum

**Id**

[YadaMachine.tcl](#),v 1.13 2004/10/15 17:24:37 micha Exp

Definition at line 25 of file **YadaMachine.tcl**.

### Public Member Functions

- [displayTitle](#) ()
- [fromDOM](#) (domNode rootNode)
- [getLoad](#) ()
- [getPersistanceFileName](#) ()
- [getTimePerJob](#) ()
- [hasSavedState](#) ()
- [isModified](#) ()
- [load](#) ()

- [queueJob](#) ([YadaJob](#) job)
- [resetModified](#) ()
- [save](#) ()
- [setModified](#) ()
- [startJob](#) ()
- [stopJob](#) ([YadaJob](#) job)
- [toDOM](#) ()
- [wait](#) ()
- [YadaMachine](#) (TclList args)
- [~YadaMachine](#) ()

## Public Attributes

- TclString [access](#) = "local"
- TclNumber [cpus](#) = 1
- TclRef [name](#)
- TclList [nodes](#) = {127.0.0.1}

## Protected Attributes

- TclNumber [\\_modified](#) = 0

## Private Member Functions

- [\\_addTime](#) (TclNumber time)
- [\\_getNextNode](#) ()
- [\\_startJob](#) ()

## Private Attributes

- TclString [\\_jobQueue](#) = ""
- TclArray [\\_jobsOnNode](#)
- TclNumber [\\_noComputedJobs](#) = 10
- TclString [\\_runQueue](#) = ""
- TclNumber [\\_timePerJob](#) = 60000
- TclArray [\\_timerOfJob](#)

## 8.26.2 Constructor & Destructor Documentation

### 8.26.2.1 [YadaMachine::YadaMachine](#) (TclList *args*)

constructor

Definition at line 91 of file [YadaMachine.tcl](#).

### 8.26.2.2 [YadaMachine::~YadaMachine](#) ()

destructor

Definition at line 355 of file [YadaMachine.tcl](#).

### 8.26.3 Member Function Documentation

#### 8.26.3.1 YadaMachine::\_addTime (TclNumber *time*) [private]

update machine statistics. This machine adds the given time to the internal timer statistics. Incremental averaging is computed like this:

- $x_1$
- $x_1 * 1/2 + x_2/2 = (x_1 + x_2)/2$
- $(x_1 * 1/2 + x_2/2) * 2/3 + x_3/3 = (x_1 + x_2 + x_3)/3$
- $((x_1 * 1/2 + x_2/2) * 2/3 + x_3/3) * 3/4 + x_4/4 = (x_1 + x_2 + x_3 + x_4)/4$
- ...

**Parameters:**

*time* a temporal span

**Returns:**

the computed average time per job as calculated for this machine.

Definition at line 373 of file YadaMachine.tcl.

#### 8.26.3.2 YadaMachine::\_getNextNode () [private]

`_getNextNode` This returns the next best node on the cluster, that is the one with the least jobs running on it. Definition at line 178 of file YadaMachine.tcl.

#### 8.26.3.3 YadaMachine::\_startJob () [private]

`_startJob` remove the next [YadaJob](#) from the queue and run it Definition at line 231 of file YadaMachine.tcl.

#### 8.26.3.4 YadaConfigItem::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Definition at line 128 of file YadaConfigItem.tcl.

#### 8.26.3.5 YadaMachine::fromDOM (domNode *rootNode*)

Initialize Object with DOM node (that has saved the object state)

**Parameters:**

*rootNode* root DOM-Node (Tag <yada>)

Reimplemented from [YadaConfigItem](#).

Definition at line 128 of file YadaMachine.tcl.

#### 8.26.3.6 YadaMachine::getLoad ()

`getLoad`

Definition at line 201 of file YadaMachine.tcl.

**8.26.3.7 YadaMachine::getPersistenceFileName () [virtual]**

Getting unique file name from registry.

Implements [YadaConfigItem](#).

Definition at line 439 of file YadaMachine.tcl.

**8.26.3.8 YadaMachine::getTimePerJob ()**

getTimePerJob

Definition at line 390 of file YadaMachine.tcl.

References nodes.

**8.26.3.9 YadaConfigItem::hasSavedState () [inherited]**

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 115 of file YadaConfigItem.tcl.

**8.26.3.10 YadaConfigItem::isModified () [inherited]**

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 87 of file YadaConfigItem.tcl.

**8.26.3.11 YadaConfigItem::load () [inherited]**

Loads object state from unique file (depends on object name).

Definition at line 66 of file YadaConfigItem.tcl.

**8.26.3.12 YadaMachine::queueJob ([YadaJob](#) *job*)**

queueJob

Definition at line 168 of file YadaMachine.tcl.

**8.26.3.13 YadaConfigItem::resetModified () [inherited]**

Removes modification mark.

Definition at line 105 of file YadaConfigItem.tcl.

**8.26.3.14 YadaConfigItem::save () [inherited]**

Serializes object state to unique file (depends on object name).

Definition at line 45 of file YadaConfigItem.tcl.

**8.26.3.15 YadaConfigItem::setModified ()** [inherited]

Marks item as modified.

Definition at line 94 of file YadaConfigItem.tcl.

**8.26.3.16 YadaMachine::startJob ()**

startJob schedule jobs Definition at line 213 of file YadaMachine.tcl.

**8.26.3.17 YadaMachine::stopJob ([YadaJob](#) *job*)**

stopJob

Definition at line 313 of file YadaMachine.tcl.

**8.26.3.18 YadaMachine::toDOM ()**

Serializes Object into a DOM-XML-Node

**Returns:**

root DOM node representing the Machine-Object (root tag <yada>)

Reimplemented from [YadaConfigItem](#).

Definition at line 102 of file YadaMachine.tcl.

**8.26.3.19 YadaMachine::wait ()**

waits for a cpu to become free. Calling wait will guarantee that no more jobs are running than cpus are in the cluster. Execution will be suspended waiting for the \_runQueue to change. Definition at line 156 of file YadaMachine.tcl.

**8.26.4 Member Data Documentation****8.26.4.1 TclString [YadaMachine::\\_jobQueue](#) = ""** [private]

list of all [YadaJob](#) s queued up to be scheduled on all nodes

Definition at line 45 of file YadaMachine.tcl.

**8.26.4.2 TclArray [YadaMachine::\\_jobsOnNode](#)** [private]

hash mapping machine node names to the [YadaJob](#) s running on them

Definition at line 64 of file YadaMachine.tcl.

**8.26.4.3 TclNumber [YadaMachine::\\_noComputedJobs](#) = 10** [private]

number of jobs run on this machine. This number is related to \_timePerJob computing the average duration seen in \_noComputedJobs. Definition at line 57 of file YadaMachine.tcl.

#### 8.26.4.4 TclString `YadaMachine::_runQueue` = "" [private]

list of `YadaJob` s currently running on the nodes

Definition at line 48 of file `YadaMachine.tcl`.

#### 8.26.4.5 TclNumber `YadaMachine::_timePerJob` = 60000 [private]

statistics about the average duration of one `YadaJob`. The machine updates this figure the more jobs have been seen. Definition at line 52 of file `YadaMachine.tcl`.

#### 8.26.4.6 TclArray `YadaMachine::_timerOfJob` [private]

used for profiling jobs on this machine. This hash mapps `YadaJob` objects to a clock tick. Definition at line 61 of file `YadaMachine.tcl`.

#### 8.26.4.7 TclString `YadaMachine::access` = "local"

acess manor for this machine. possible values are "local" or any way of getting a shell on the nodes, i.e.

```
ssh -x %node
```

Notice, that the string `node` is replaced with the actual node name in `YadaMachine::nodes` to which a specific connection is to be established. Definition at line 41 of file `YadaMachine.tcl`.

#### 8.26.4.8 TclNumber `YadaMachine::cpus` = 1

overall sum of cpus in all nodes

Definition at line 34 of file `YadaMachine.tcl`.

#### 8.26.4.9 `YadaMachine::nodes` = {127.0.0.1}

list ip adresses host names making up this machine

callback whenever the -nodes attribute is set This registers known nodes of a cluster by setting the number of running jobs in `_jobsOnNode` to 0. Formerly known nodes that aren't found in `$nodes` any more are removed from that array. Definition at line 400 of file `YadaMachine.tcl`.

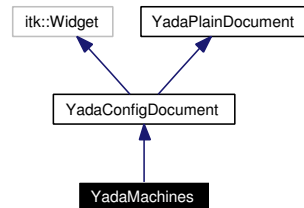
Referenced by `getTimePerJob()`.

The documentation for this class was generated from the following file:

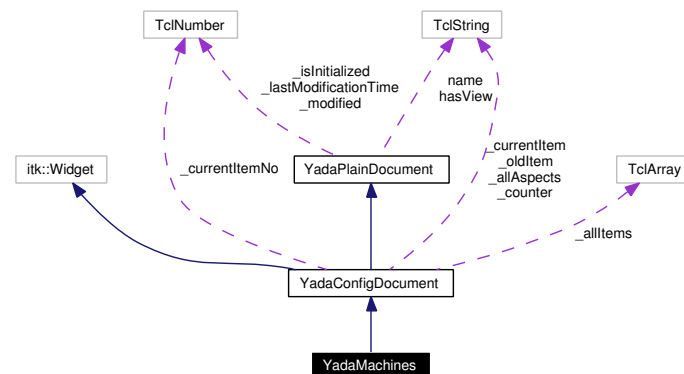
- `YadaMachine.tcl`

## 8.27 YadaMachines Class Reference

Inheritance diagram for YadaMachines:



Collaboration diagram for YadaMachines:



### 8.27.1 Detailed Description

YadaMachines - configure document for all machines.

#### Author:

Michael Daum

#### Id

[YadaMachines.tcl](#), v 1.12 2004/10/15 17:24:37 micha Exp

Definition at line 19 of file YadaMachines.tcl.

### Public Member Functions

- [activationHandle](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [fromDOM](#) (domNode node)
- [getAllItemNames](#) (TclList args)
- [getAllItems](#) (TclList args)
- [getCurrentItem](#) ()
- [getItem](#) (TclString name)

- [getItemNo](#) (TclString [name](#))
- [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setCurrentItem](#) (YadaConfigItem item)
- [setItem](#) (YadaConfigItem item)
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [unsetItem](#) (YadaConfigItem item)
- [YadaMachines](#) (TclList args)

### Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

### Protected Member Functions

- [\\_askChange](#) ()
- [\\_getMarked](#) ()
- [\\_mark](#) (TclString aspect, TclString newData="undef", TclString oldData="undef")
- [\\_unmark](#) (TclString aspect="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue, TclString oldValue="")
- [isValidPersistanceFile](#) (TclString fileName)
- [updateModificationTime](#) ()

### Protected Attributes

- TclString [\\_allAspects](#) = ""
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_oldItem](#) = "<none>"

### Private Member Functions

- [\\_commit](#) ()
- [\\_defaults](#) (TclString fileName="")
- [\\_delete](#) ()
- [\\_new](#) ()
- [\\_select](#) (TclString machineName="")

## 8.27.2 Constructor & Destructor Documentation

### 8.27.2.1 YadaMachines::YadaMachines (TclList *args*)

constructor

Definition at line 41 of file YadaMachines.tcl.

## 8.27.3 Member Function Documentation

### 8.27.3.1 YadaConfigDocument::\_askChange () [protected, inherited]

\_askChange

Definition at line 342 of file YadaConfigDocument.tcl.

Referenced by YadaConfigDocument::\_selectCommand().

### 8.27.3.2 YadaMachines::\_commit () [private]

\_commit

Mark as modified

Reimplemented from [YadaConfigDocument](#).

Definition at line 291 of file YadaMachines.tcl.

### 8.27.3.3 YadaMachines::\_defaults (TclString *fileName* = " ") [private]

\_defaults

Reimplemented from [YadaConfigDocument](#).

Definition at line 256 of file YadaMachines.tcl.

### 8.27.3.4 YadaMachines::\_delete () [private, virtual]

\_delete.

**Todo**

not yet implemented

Implements [YadaConfigDocument](#).

Definition at line 343 of file YadaMachines.tcl.

### 8.27.3.5 YadaConfigDocument::\_getMarked () [protected, inherited]

\_getMarked

Definition at line 427 of file YadaConfigDocument.tcl.

### 8.27.3.6 YadaConfigDocument::\_mark (TclString *aspect*, TclString *newData* = "undef", TclString *oldData* = "undef") [protected, inherited]

\_mark

Definition at line 402 of file YadaConfigDocument.tcl.

### 8.27.3.7 YadaMachines::\_new () [private, virtual]

\_new.

#### Todo

not yet implemented

Implements [YadaConfigDocument](#).

Definition at line 350 of file YadaMachines.tcl.

### 8.27.3.8 YadaMachines::\_select (TclString *machineName* = "") [private]

\_select

update title bar

Reimplemented from [YadaConfigDocument](#).

Definition at line 194 of file YadaMachines.tcl.

### 8.27.3.9 YadaConfigDocument::\_unmark (TclString *aspect* = "") [protected, inherited]

\_unmark

Definition at line 389 of file YadaConfigDocument.tcl.

### 8.27.3.10 YadaConfigDocument::\_validateCommand (TclString *aspect*, TclString *newValue*, TclString *oldValue* = "") [protected, inherited]

\_validateCommand

Definition at line 450 of file YadaConfigDocument.tcl.

### 8.27.3.11 YadaConfigDocument::activationHandle () [virtual, inherited]

activationHandle

activate custom file menu

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaMethods](#), and [YadaExperiments](#).

Definition at line 372 of file YadaConfigDocument.tcl.

### 8.27.3.12 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

#### 8.27.3.13 YadaConfigDocument::displayTitle () [inherited]

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 668 of file YadaConfigDocument.tcl.

#### 8.27.3.14 YadaConfigDocument::getAllItemNames (TclList args) [inherited]

getAllItemNames

**Returns:**

a list of all known names of YadaConfigItems in this document

Definition at line 605 of file YadaConfigDocument.tcl.

#### 8.27.3.15 YadaConfigDocument::getAllItems (TclList args) [inherited]

getAllItems

**Returns:**

a list of all known YadaConfigItems in this document

Definition at line 591 of file YadaConfigDocument.tcl.

#### 8.27.3.16 YadaConfigDocument::getCurrentItem () [inherited]

getCurrentItem

**Returns:**

the currently displayed [YadaConfigItem](#)

Definition at line 499 of file YadaConfigDocument.tcl.

References [YadaConfigDocument::\\_setCounter\(\)](#).

#### 8.27.3.17 YadaConfigDocument::getItem (TclString name) [inherited]

getItem

Definition at line 579 of file YadaConfigDocument.tcl.

Referenced by [YadaConfigDocument::getItemNo\(\)](#).

**8.27.3.18 YadaConfigDocument::getItemNo (TclString *name*)** [inherited]

getItemNo

Definition at line 571 of file YadaConfigDocument.tcl.

References YadaConfigDocument::getItem().

**8.27.3.19 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.27.3.20 YadaMachines::init ()** [virtual]

init

Reimplemented from [YadaConfigDocument](#).

Definition at line 158 of file YadaMachines.tcl.

**8.27.3.21 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.27.3.22 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.27.3.23 YadaMachines::load ()**

Overriding default implementation. Delegates command to current machine's load method

Reimplemented from [YadaPlainDocument](#).

Definition at line 358 of file YadaMachines.tcl.

**8.27.3.24 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.27.3.25 YadaMachines::save ()**

Overriding default implementation. Delegates command to current machine's save method

Reimplemented from [YadaPlainDocument](#).

Definition at line 372 of file YadaMachines.tcl.

**8.27.3.26 YadaConfigDocument::setCurrentItem ([YadaConfigItem](#) *item*)** [inherited]

setCurrentItem

Definition at line 519 of file YadaConfigDocument.tcl.

**8.27.3.27 YadaConfigDocument::setItem ([YadaConfigItem](#) *item*)** [inherited]

setItem

Definition at line 558 of file YadaConfigDocument.tcl.

**8.27.3.28 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::resetModified\(\)](#).

Referenced by [YadaPlainDocument::isModified\(\)](#).

**8.27.3.29 YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = "")** [inherited]

setToggle

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::load\(\)](#).

**8.27.3.30 YadaConfigDocument::unsetItem ([YadaConfigItem](#) *item*)** [inherited]

unsetItem

Definition at line 540 of file YadaConfigDocument.tcl.

**8.27.3.31 YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

## 8.27.4 Member Data Documentation

### 8.27.4.1 TclNumber `YadaPlainDocument::_isInitialized` = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. `YadaConfigDocument::init()` or `YadaRunnableDocument::init()`. Definition at line 36 of file `YadaPlainDocument.tcl`.

### 8.27.4.2 TclNumber `YadaPlainDocument::_lastModificationTime` = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file `YadaPlainDocument.tcl`.

### 8.27.4.3 TclString `YadaPlainDocument::hasView` = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file `YadaPlainDocument.tcl`.

### 8.27.4.4 TclString `YadaPlainDocument::name` = "" [inherited]

name of the document

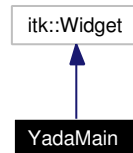
Definition at line 25 of file `YadaPlainDocument.tcl`.

The documentation for this class was generated from the following file:

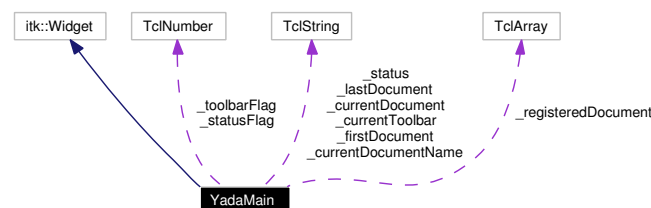
- `YadaMachines.tcl`

## 8.28 YadaMain Class Reference

Inheritance diagram for YadaMain:



Collaboration diagram for YadaMain:



### 8.28.1 Detailed Description

**YadaMain** - The root of the YADA application. This class serves as a mediator between the different components of the application. Its main tasks are

- construction of the main application window where
- container for all YadaDocuments
- user navigation between loaded YadaDocuments
- initialization of all needed components during system startup
- information propagation between different components
- authority to delegate application wide tasks to responsible components

So in order to talk to one specific part of the application a method in **YadaMain** is available delegating a task to the correct component. The **YadaMain** is also used to query components of the application, i.e. YadaDocuments, only known at runtime by their symbolic name.

All YadaDocuments loaded at system startup and those created during runtime are registered with **YadaMain::registerDocument()** and from there on known to the application so that the user can switch to it. All registered YadaDocuments are kept in the **YadaMain::\_registeredDocument** hash. The **YadaDocument::nextDocument** and **YadaDocument::prevDocument** establish a double linked list of all known documents where the head and the tail of the list are stored in **YadaMain::\_firstDocument** and **YadaMain::\_lastDocument** respectively. Showing a registered document is achieved by **YadaMain::activateDocument()**.

**Author:**

Michael Daum

**Id**

[YadaMain.tcl](#), v 1.18 2004/09/06 13:41:13 micha Exp

Definition at line 40 of file YadaMain.tcl.

**Public Member Functions**

- [activateDocument](#) ([YadaDocument](#) document="")
- [document](#) (TclString docName, TclList args)
- [getActiveExperiments](#) (TclList args)
- [getDocument](#) (TclString name)
- [getDocuments](#) (TclList args)
- [getEditor](#) ()
- [getExperiment](#) (TclString experimentName)
- [getExperimentNames](#) (TclList args)
- [getExperiments](#) (TclList args)
- [getGrammar](#) (TclString grammarName)
- [getGrammarNames](#) (TclList args)
- [getGrammarOfExperiment](#) (TclString experimentName)
- [getGrammars](#) (TclList args)
- [getMachine](#) (TclString name)
- [getMachineNames](#) (TclList args)
- [getMachines](#) (TclList args)
- [getPersistanceFileNameForExperiment](#) (TclString experimentName)
- [getPersistanceFileNameForGrammar](#) (TclString grammarName)
- [getPersistanceFileNameForMachine](#) (TclString machineName)
- [getPersistanceFileNameForMisc](#) ()
- [getPersistanceFileNameForRanking](#) (TclString rankingName)
- [getPersistanceFileNameForRunner](#) (TclString runnerName)
- [getSignificance](#) ()
- [getTimeTolerance](#) ()
- [getToggle](#) (TclString name)
- [getWeirdness](#) ()
- [getWordgraphsOfExperiment](#) (TclString experimentName)
- [init](#) ()
- [newDocument](#) (TclString className, TclString docName)
- [printStatus](#) (TclString message)
- [quit](#) ()
- [registerDocument](#) ([YadaDocument](#) document)
- [setToggle](#) (TclString name, TclString value="")
- [unregisterDocument](#) ([YadaDocument](#) document)
- [YadaMain](#) (TclList args)
- [~YadaMain](#) ()

**Private Member Functions**

- [\\_about](#) ()

## Private Attributes

- TclString [\\_currentDocument](#) = ""
- TclString [\\_currentDocumentName](#) = ""
- TclString [\\_currentToolbar](#) = ""
- TclString [\\_firstDocument](#) = ""
- TclString [\\_lastDocument](#) = ""
- TclArray [\\_registeredDocument](#)
- TclString [\\_status](#) = ""
- TclNumber [\\_statusFlag](#) = 1
- TclNumber [\\_toolbarFlag](#) = 1

## 8.28.2 Constructor & Destructor Documentation

### 8.28.2.1 YadaMain::YadaMain (TclList *args*)

constructor. This constructor builds up all widgets and packs them into one megawidget.

#### Parameters:

*args* are handed over to `itk_initialize()` to initialize this megawidget

Definition at line 125 of file `YadaMain.tcl`.

### 8.28.2.2 YadaMain::~~YadaMain ()

destructor

Definition at line 304 of file `YadaMain.tcl`.

References `activateDocument()`.

## 8.28.3 Member Function Documentation

### 8.28.3.1 YadaMain::\_about () [private]

`_about`

Definition at line 721 of file `YadaMain.tcl`.

### 8.28.3.2 YadaMain::activateDocument ([YadaDocument](#) *document* = " ")

`activateDocument`

Definition at line 310 of file `YadaMain.tcl`.

Referenced by `~YadaMain()`.

### 8.28.3.3 YadaMain::document (TclString *docName*, TclList *args*)

delegate a task to a named [YadaDocument](#). This method fetches the [YadaDocument](#) named *name* and passes over the arguments *args* as a command.

**Parameters:**

*docName* the name of the [YadaDocument](#)

*args* passed commands

**Returns:**

the result of the [YadaDocument](#) call

Definition at line 714 of file YadaMain.tcl.

**8.28.3.4 YadaMain::getActiveExperiments (TclList *args*)**

getActiveExperiments

Definition at line 506 of file YadaMain.tcl.

**8.28.3.5 YadaMain::getDocument (TclString *name*)**

getDocument

Definition at line 611 of file YadaMain.tcl.

**8.28.3.6 YadaMain::getDocuments (TclList *args*)**

getDocuments

Definition at line 622 of file YadaMain.tcl.

**8.28.3.7 YadaMain::getEditor ()**

getEditor

Definition at line 604 of file YadaMain.tcl.

**8.28.3.8 YadaMain::getExperiment (TclString *experimentName*)**

getExperiment

Definition at line 483 of file YadaMain.tcl.

**8.28.3.9 YadaMain::getExperimentNames (TclList *args*)**

getExperimentNames

Definition at line 498 of file YadaMain.tcl.

**8.28.3.10 YadaMain::getExperiments (TclList *args*)**

getExperiments

Definition at line 490 of file YadaMain.tcl.

**8.28.3.11 YadaMain::getGrammar (TclString *grammarName*)**

getGrammar

Definition at line 515 of file YadaMain.tcl.

**8.28.3.12 YadaMain::getGrammarNames (TclList *args*)**

getGrammarNames

Definition at line 531 of file YadaMain.tcl.

**8.28.3.13 YadaMain::getGrammarOfExperiment (TclString *experimentName*)**

getGrammarOfExperiment

Definition at line 562 of file YadaMain.tcl.

**8.28.3.14 YadaMain::getGrammars (TclList *args*)**

getGrammars

Definition at line 523 of file YadaMain.tcl.

**8.28.3.15 YadaMain::getMachine (TclString *name*)**

getMachine

Definition at line 539 of file YadaMain.tcl.

**8.28.3.16 YadaMain::getMachineNames (TclList *args*)**

getMachineNames

Definition at line 554 of file YadaMain.tcl.

**8.28.3.17 YadaMain::getMachines (TclList *args*)**

getMachines

Definition at line 546 of file YadaMain.tcl.

**8.28.3.18 YadaMain::getPersistenceFileNameForExperiment (TclString *experimentName*)**

Returns unique file path dependent on experiment name.

delete blanks in name Definition at line 740 of file YadaMain.tcl.

**8.28.3.19 YadaMain::getPersistenceFileNameForGrammar (TclString *grammarName*)**

methods for getting unique file paths to save object state

delete blanks in name Definition at line 731 of file YadaMain.tcl.

**8.28.3.20 YadaMain::getPersistenceFileNameForMachine (TclString *machineName*)**

Returns unique file path dependent on machine name.

delete blanks in name Definition at line 749 of file YadaMain.tcl.

**8.28.3.21 YadaMain::getPersistenceFileNameForMisc ()**

Returns unique file path for general configuration tab.

Definition at line 758 of file YadaMain.tcl.

**8.28.3.22 YadaMain::getPersistenceFileNameForRanking (TclString *rankingName*)**

Returns unique file path for ranking documents.

delete blanks in name Definition at line 774 of file YadaMain.tcl.

**8.28.3.23 YadaMain::getPersistenceFileNameForRunner (TclString *runnerName*)**

Returns unique file path for runner documents.

delete blanks in name Definition at line 765 of file YadaMain.tcl.

**8.28.3.24 YadaMain::getSignificance ()**

getSignificance

Definition at line 590 of file YadaMain.tcl.

**8.28.3.25 YadaMain::getTimeTolerance ()**

getTimeTolerance

Definition at line 597 of file YadaMain.tcl.

**8.28.3.26 YadaMain::getToggle (TclString *name*)**

getToggle

Definition at line 654 of file YadaMain.tcl.

**8.28.3.27 YadaMain::getWeirdness ()**

getWeirdness

Definition at line 583 of file YadaMain.tcl.

**8.28.3.28 YadaMain::getWordgraphsOfExperiment (TclString *experimentName*)**

getWordgraphsOfExperiment

Definition at line 572 of file YadaMain.tcl.

**8.28.3.29 YadaMain::init ()**

init

Definition at line 276 of file YadaMain.tcl.

**8.28.3.30 YadaMain::newDocument (TclString *className*, TclString *docName*)**

newDocument

Definition at line 448 of file YadaMain.tcl.

**8.28.3.31 YadaMain::printStatus (TclString *message*)**

printStatus

Definition at line 646 of file YadaMain.tcl.

**8.28.3.32 YadaMain::quit ()**

quit

Definition at line 440 of file YadaMain.tcl.

**8.28.3.33 YadaMain::registerDocument ([YadaDocument](#) *document*)**

registerDocument

Definition at line 370 of file YadaMain.tcl.

**8.28.3.34 YadaMain::setToggle (TclString *name*, TclString *value* = " ")**

setToggle

Definition at line 671 of file YadaMain.tcl.

**8.28.3.35 YadaMain::unregisterDocument ([YadaDocument](#) *document*)**

unregisterDocument

Definition at line 400 of file YadaMain.tcl.

**8.28.4 Member Data Documentation****8.28.4.1 TclString [YadaMain::\\_currentDocument](#) = "" [private]**

currently visible [YadaDocument](#)

Definition at line 49 of file YadaMain.tcl.

**8.28.4.2** TclString [YadaMain::\\_currentDocumentName](#) = "" [private]

name of the currently visible document embedded into the main widget

Definition at line 46 of file YadaMain.tcl.

**8.28.4.3** TclString [YadaMain::\\_currentToolbar](#) = "" [private]

toolbar of the currently visible [YadaDocument](#)

Definition at line 52 of file YadaMain.tcl.

**8.28.4.4** TclString [YadaMain::\\_firstDocument](#) = "" [private]

head of the list of all YadaDocuments

Definition at line 58 of file YadaMain.tcl.

**8.28.4.5** TclString [YadaMain::\\_lastDocument](#) = "" [private]

tail of the list of all YadaDocuments

Definition at line 61 of file YadaMain.tcl.

**8.28.4.6** TclArray [YadaMain::\\_registeredDocument](#) [private]

hash of all known YadaDocuments matching a symbolic name to its [YadaDocument](#)

Definition at line 55 of file YadaMain.tcl.

**8.28.4.7** TclString [YadaMain::\\_status](#) = "" [private]

current status message. Use [printStatus\(\)](#) to change its contents. Definition at line 71 of file YadaMain.tcl.

**8.28.4.8** TclNumber [YadaMain::\\_statusFlag](#) = 1 [private]

toggle to switch on and off the status line

Definition at line 67 of file YadaMain.tcl.

**8.28.4.9** TclNumber [YadaMain::\\_toolbarFlag](#) = 1 [private]

toggle to switch on and off the toolbar

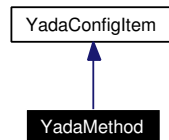
Definition at line 64 of file YadaMain.tcl.

The documentation for this class was generated from the following file:

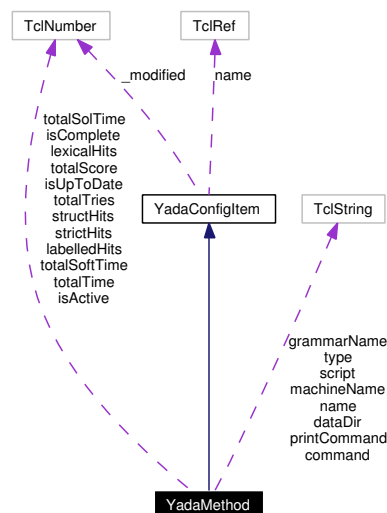
- YadaMain.tcl

## 8.29 YadaMethod Class Reference

Inheritance diagram for YadaMethod:



Collaboration diagram for YadaMethod:



### 8.29.1 Detailed Description

**YadaMethod** - bundled information about a method. A **YadaMethod** is the central object of the YADA application. It brings together all the parts that are needed to compute a **YadaJob** forking a cdgp process in the background and consuming the so produced data.

#### Author:

Michael Daum

#### Id

[YadaMethod.tcl](#), v 1.18 2003/02/07 16:55:13 micha Exp

Definition at line 22 of file `YadaMethod.tcl`.

### Public Member Functions

- [apply](#) ([YadaJob](#) job)
- [check](#) ()
- [clone](#) (TclList args)
- [displayTitle](#) ()
- [fromDOM](#) (domNode node)

- [getDocFileName](#) ()
- [getLogFileName](#) (TclString wgName)
- virtual [getPersistenceFileName](#) ()=0
- [getXmlFileName](#) (TclString wgName)
- [hasSavedState](#) ()
- [isModified](#) ()
- [load](#) ()
- [print](#) (TclString message)
- [resetModified](#) ()
- [resetStatistics](#) ()
- [save](#) ()
- [setModified](#) ()
- [toDOM](#) ()
- [YadaMethod](#) (TclList args)

## Public Attributes

- TclString [command](#) = ""
- TclString [dataDir](#) = ""
- TclString [grammarName](#) = ""
- TclNumber [isActive](#) = 1
- TclNumber [isComplete](#) = 0
- TclNumber [isUpToDate](#) = 0
- TclNumber [labelledHits](#) = 0
- TclNumber [lexicalHits](#) = 0
- TclString [machineName](#) = "localhost"
- TclString [name](#) = ""
- TclString [printCommand](#) = ""
- TclString [script](#) = ""
- TclNumber [strictHits](#) = 0
- TclNumber [structHits](#) = 0
- TclNumber [totalScore](#) = 0
- TclNumber [totalSoftTime](#) = 0
- TclNumber [totalSolTime](#) = 0
- TclNumber [totalTime](#) = 0
- TclNumber [totalTries](#) = 0
- TclString [type](#) = ""

## Protected Attributes

- TclNumber [\\_modified](#) = 0

## 8.29.2 Constructor & Destructor Documentation

### 8.29.2.1 YadaMethod::YadaMethod (TclList *args*)

constructor

Definition at line 121 of file YadaMethod.tcl.

### 8.29.3 Member Function Documentation

#### 8.29.3.1 YadaMethod::apply ([YadaJob](#) *job*)

apply

Definition at line 193 of file YadaMethod.tcl.

References [apply\(\)](#).

Referenced by [apply\(\)](#).

#### 8.29.3.2 YadaMethod::check ()

check

Definition at line 157 of file YadaMethod.tcl.

References [check\(\)](#).

Referenced by [check\(\)](#).

#### 8.29.3.3 YadaMethod::clone (TclList *args*)

clone

Definition at line 137 of file YadaMethod.tcl.

References [clone\(\)](#).

Referenced by [clone\(\)](#).

#### 8.29.3.4 YadaConfigItem::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Definition at line 128 of file YadaConfigItem.tcl.

#### 8.29.3.5 YadaMethod::getDocFileName ()

getDocFileName

Definition at line 240 of file YadaMethod.tcl.

References [getDocFileName\(\)](#).

Referenced by [getDocFileName\(\)](#).

#### 8.29.3.6 YadaMethod::getLogFileName (TclString *wgName*)

getLogFileName

Definition at line 233 of file YadaMethod.tcl.

References [getLogFileName\(\)](#).

Referenced by [getLogFileName\(\)](#).

**8.29.3.7 YadaMethod::getXmlFileName (TclString *wgName*)**

getXmlFileName

Definition at line 226 of file YadaMethod.tcl.

References getXmlFileName().

Referenced by getXmlFileName().

**8.29.3.8 YadaConfigItem::hasSavedState () [inherited]**

Predicate returning 1, if file containing persistent state of [YadaGrammar](#) exists, otherwise 0 Definition at line 115 of file YadaConfigItem.tcl.

**8.29.3.9 YadaConfigItem::isModified () [inherited]**

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 87 of file YadaConfigItem.tcl.

**8.29.3.10 YadaConfigItem::load () [inherited]**

Loads object state from unique file (depends on object name).

Definition at line 66 of file YadaConfigItem.tcl.

**8.29.3.11 YadaMethod::print (TclString *message*)**

print

Definition at line 217 of file YadaMethod.tcl.

References print().

Referenced by print().

**8.29.3.12 YadaConfigItem::resetModified () [inherited]**

Removes modification mark.

Definition at line 105 of file YadaConfigItem.tcl.

**8.29.3.13 YadaMethod::resetStatistics ()**

resetStatistics

Definition at line 247 of file YadaMethod.tcl.

References resetStatistics().

Referenced by resetStatistics().

**8.29.3.14 YadaConfigItem::save () [inherited]**

Serializes object state to unique file (depends on object name).

Definition at line 45 of file YadaConfigItem.tcl.

**8.29.3.15 YadaConfigItem::setModified () [inherited]**

Marks item as modified.

Definition at line 94 of file YadaConfigItem.tcl.

**8.29.4 Member Data Documentation****8.29.4.1 TclString YadaMethod::command = ""**

path to cdgp binary file

Definition at line 47 of file YadaMethod.tcl.

**8.29.4.2 TclString YadaMethod::dataDir = ""**

path where to store all computed data files

Definition at line 50 of file YadaMethod.tcl.

**8.29.4.3 TclString YadaMethod::grammarName = ""**

[YadaGrammar](#) to apply this method.

Definition at line 53 of file YadaMethod.tcl.

**8.29.4.4 TclNumber YadaMethod::isActive = 1**

flag indicating whether this method is currently waiting for a [YadaJob](#) to finish. Definition at line 63 of file YadaMethod.tcl.

**8.29.4.5 TclNumber YadaMethod::isComplete = 0**

flag indicating whether all data has been computed for this method, so no more YadaJobs are needed. Definition at line 67 of file YadaMethod.tcl.

**8.29.4.6 TclNumber YadaMethod::isUpToDate = 0**

flag indicating whether all statistics in all data has been collected or not. Definition at line 71 of file YadaMethod.tcl.

**8.29.4.7 TclNumber YadaMethod::labelledHits = 0**

labelled hits collected in the methods data files.

Definition at line 81 of file YadaMethod.tcl.

#### **8.29.4.8** TclNumber [YadaMethod::lexicalHits](#) = 0

lexical hits collected in the methods data files.

Definition at line 87 of file YadaMethod.tcl.

#### **8.29.4.9** TclString [YadaMethod::machineName](#) = "localhost"

[YadaMachine](#) where to schedule resulting YadaJobs on.

Definition at line 56 of file YadaMethod.tcl.

#### **8.29.4.10** TclString [YadaMethod::name](#) = ""

the name of the method

Reimplemented from [YadaConfigItem](#).

Definition at line 28 of file YadaMethod.tcl.

#### **8.29.4.11** TclString [YadaMethod::printCommand](#) = ""

tcl command used to print a message.

See also:

[print\(\)](#)

Definition at line 75 of file YadaMethod.tcl.

#### **8.29.4.12** [YadaMethod::script](#) = ""

CDGP script to feed into the STDIN of a [CdgProcess](#).

Definition at line 264 of file YadaMethod.tcl.

#### **8.29.4.13** TclNumber [YadaMethod::strictHits](#) = 0

strict hits collected in the methods data files.

Definition at line 84 of file YadaMethod.tcl.

#### **8.29.4.14** TclNumber [YadaMethod::structHits](#) = 0

struct hits collected in the methods data files.

Definition at line 90 of file YadaMethod.tcl.

**8.29.4.15** TclNumber `YadaMethod::totalScore = 0`

total scores collected in the methods data files.

Definition at line 78 of file YadaMethod.tcl.

**8.29.4.16** TclNumber `YadaMethod::totalSoftTime = 0`

total soft time collected in the methods data files.

Definition at line 102 of file YadaMethod.tcl.

**8.29.4.17** TclNumber `YadaMethod::totalSolTime = 0`

total solution time collected in the methods data files.

Definition at line 99 of file YadaMethod.tcl.

**8.29.4.18** TclNumber `YadaMethod::totalTime = 0`

total time collected in the methods data files.

Definition at line 96 of file YadaMethod.tcl.

**8.29.4.19** TclNumber `YadaMethod::totalTries = 0`

total number of tries collected in the methods data files.

Definition at line 93 of file YadaMethod.tcl.

**8.29.4.20** TclString `YadaMethod::type = ""`

the type of the method. The type of the method specifies the parsing flavour used. Possible sensefull values by now are

- annotation (which is actually now parsing flavour but a way to compute parses via anno2parse())
- arconsistency
- frobbing
- genetic
- gls
- incremental completion
- isearch
- netsearch
- pruning
- wfst

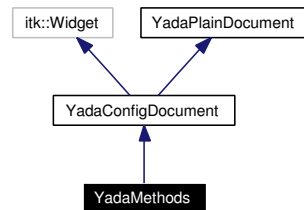
Definition at line 44 of file YadaMethod.tcl.

The documentation for this class was generated from the following file:

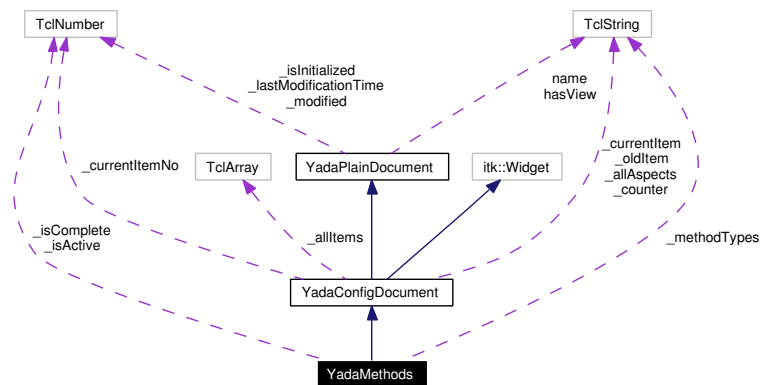
- YadaMethod.tcl

## 8.30 YadaMethods Class Reference

Inheritance diagram for YadaMethods:



Collaboration diagram for YadaMethods:



### 8.30.1 Detailed Description

YadaMethods - configure document for all methods.

#### Author:

Michael Daum

#### Id

[YadaMethods.tcl](#), v 1.15 2003/02/07 16:55:12 micha Exp

Definition at line 18 of file YadaMethods.tcl.

### Public Member Functions

- [activationHandle](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [fromDOM](#) (domNode node)
- [getActiveMethods](#) (TclList args)
- [getAllItemNames](#) (TclList args)
- [getAllItems](#) (TclList args)
- [getCurrentItem](#) ()
- [getItem](#) (TclString name)

- [getItemNo](#) (TclString [name](#))
- [getPersistenceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setCurrentItem](#) ([YadaConfigItem](#) item)
- [setItem](#) ([YadaConfigItem](#) item)
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM](#) ()
- [unsetItem](#) ([YadaConfigItem](#) item)
- [YadaMethods](#) (TclList args)

### Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

### Protected Member Functions

- [\\_askChange](#) ()
- [\\_getMarked](#) ()
- [\\_mark](#) (TclString aspect, TclString newData="undef", TclString oldData="undef")
- [\\_unmark](#) (TclString aspect="")
- [\\_validateCommand](#) (TclString aspect, TclString newValue, TclString oldValue="")
- [isValidPersistenceFile](#) (TclString fileName)
- [updateModificationTime](#) ()

### Protected Attributes

- TclString [\\_allAspects](#) = ""
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_oldItem](#) = "<none>"

### Private Member Functions

- [\\_checkMethod](#) ()
- [\\_commit](#) ()
- [\\_dataDirChooser](#) ()
- [\\_defaults](#) (TclString fileName="")
- [\\_delete](#) ()
- [\\_initGrammarNames](#) ()
- [\\_mark](#) (TclString aspect)
- [\\_new](#) ()
- [\\_select](#) (TclString methodName="")

## Private Attributes

- TclNumber `_isActive` = 1
- TclNumber `_isComplete` = 0
- TclString `_methodTypes` = ""

## 8.30.2 Constructor & Destructor Documentation

### 8.30.2.1 YadaMethods::YadaMethods (TclList *args*)

constructor

Definition at line 51 of file YadaMethods.tcl.

## 8.30.3 Member Function Documentation

### 8.30.3.1 YadaConfigDocument::\_askChange () [protected, inherited]

`_askChange`

Definition at line 342 of file YadaConfigDocument.tcl.

Referenced by YadaConfigDocument::\_selectCommand().

### 8.30.3.2 YadaMethods::\_checkMethod () [private]

`_checkMethod`

Definition at line 760 of file YadaMethods.tcl.

### 8.30.3.3 YadaMethods::\_commit () [private]

`_commit`

Reimplemented from [YadaConfigDocument](#).

Definition at line 418 of file YadaMethods.tcl.

### 8.30.3.4 YadaMethods::\_dataDirChooser () [private]

`_dataDirChooser`

Definition at line 517 of file YadaMethods.tcl.

### 8.30.3.5 YadaMethods::\_defaults (TclString *fileName* = " ") [private]

`_defaults`

Reimplemented from [YadaConfigDocument](#).

Definition at line 595 of file YadaMethods.tcl.

**8.30.3.6 YadaMethods::\_delete ()** [private, virtual]

\_delete

Implements [YadaConfigDocument](#).

Definition at line 550 of file YadaMethods.tcl.

**8.30.3.7 YadaConfigDocument::\_getMarked ()** [protected, inherited]

\_getMarked

Definition at line 427 of file YadaConfigDocument.tcl.

**8.30.3.8 YadaConfigDocument::\_mark (TclString *aspect*, TclString *newData* = "undef", TclString *oldData* = "undef")** [protected, inherited]

\_mark

Definition at line 402 of file YadaConfigDocument.tcl.

**8.30.3.9 YadaMethods::\_mark (TclString *aspect*)** [private]

\_mark

Definition at line 705 of file YadaMethods.tcl.

**8.30.3.10 YadaMethods::\_new ()** [private, virtual]

\_new

Implements [YadaConfigDocument](#).

Definition at line 463 of file YadaMethods.tcl.

**8.30.3.11 YadaMethods::\_select (TclString *methodName* = "")** [private]

\_select

Reimplemented from [YadaConfigDocument](#).

Definition at line 328 of file YadaMethods.tcl.

**8.30.3.12 YadaConfigDocument::\_unmark (TclString *aspect* = "")** [protected, inherited]

\_unmark

Definition at line 389 of file YadaConfigDocument.tcl.

**8.30.3.13 YadaConfigDocument::\_validateCommand (TclString *aspect*, TclString *newValue*, TclString *oldValue* = "")** [protected, inherited]

\_validateCommand

Definition at line 450 of file YadaConfigDocument.tcl.

#### 8.30.3.14 YadaMethods::activationHandle () [virtual]

activationHandle

Reimplemented from [YadaConfigDocument](#).

Definition at line 742 of file YadaMethods.tcl.

#### 8.30.3.15 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

#### 8.30.3.16 YadaConfigDocument::displayTitle () [inherited]

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 668 of file YadaConfigDocument.tcl.

#### 8.30.3.17 YadaMethods::getActiveMethods (TclList args)

getActiveMethods

Definition at line 691 of file YadaMethods.tcl.

#### 8.30.3.18 YadaConfigDocument::getAllItemNames (TclList args) [inherited]

getAllItemNames

##### Returns:

a list of all known names of YadaConfigItems in this document

Definition at line 605 of file YadaConfigDocument.tcl.

#### 8.30.3.19 YadaConfigDocument::getAllItems (TclList args) [inherited]

getAllItems

##### Returns:

a list of all known YadaConfigItems in this document

Definition at line 591 of file YadaConfigDocument.tcl.

**8.30.3.20 YadaConfigDocument::getCurrentItem ()** [inherited]

getCurrentItem

**Returns:**

the currently displayed [YadaConfigItem](#)

Definition at line 499 of file YadaConfigDocument.tcl.

References [YadaConfigDocument::\\_setCounter\(\)](#).

**8.30.3.21 YadaConfigDocument::getItem (TclString *name*)** [inherited]

getItem

Definition at line 579 of file YadaConfigDocument.tcl.

Referenced by [YadaConfigDocument::getItemNo\(\)](#).

**8.30.3.22 YadaConfigDocument::getItemNo (TclString *name*)** [inherited]

getItemNo

Definition at line 571 of file YadaConfigDocument.tcl.

References [YadaConfigDocument::getItem\(\)](#).

**8.30.3.23 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by [YadaPlainDocument::resetModified\(\)](#).

**8.30.3.24 YadaMethods::init ()** [virtual]

init

Reimplemented from [YadaConfigDocument](#).

Definition at line 301 of file YadaMethods.tcl.

**8.30.3.25 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::setModified\(\)](#).

**8.30.3.26 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.30.3.27 YadaPlainDocument::load ()** [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

**8.30.3.28 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.30.3.29 YadaPlainDocument::save ()** [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

**8.30.3.30 YadaConfigDocument::setCurrentItem ([YadaConfigItem](#) item)** [inherited]

setCurrentItem

Definition at line 519 of file YadaConfigDocument.tcl.

**8.30.3.31 YadaConfigDocument::setItem ([YadaConfigItem](#) item)** [inherited]

setItem

Definition at line 558 of file YadaConfigDocument.tcl.

**8.30.3.32 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

**8.30.3.33 YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = "")** [inherited]

setToggle

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file [YadaPlainDocument.tcl](#).

References [YadaPlainDocument::load\(\)](#).

**8.30.3.34 YadaConfigDocument::unsetItem ([YadaConfigItem](#) *item*)** [inherited]

unsetItem

Definition at line 540 of file [YadaConfigDocument.tcl](#).

**8.30.3.35 YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file [YadaPlainDocument.tcl](#).

**8.30.4 Member Data Documentation****8.30.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file [YadaPlainDocument.tcl](#).

**8.30.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0** [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file [YadaPlainDocument.tcl](#).

**8.30.4.3 TclString [YadaPlainDocument::hasView](#) = "true"** [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file [YadaPlainDocument.tcl](#).

**8.30.4.4 TclString [YadaPlainDocument::name](#) = ""** [inherited]

name of the document

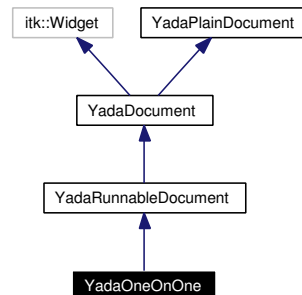
Definition at line 25 of file [YadaPlainDocument.tcl](#).

The documentation for this class was generated from the following file:

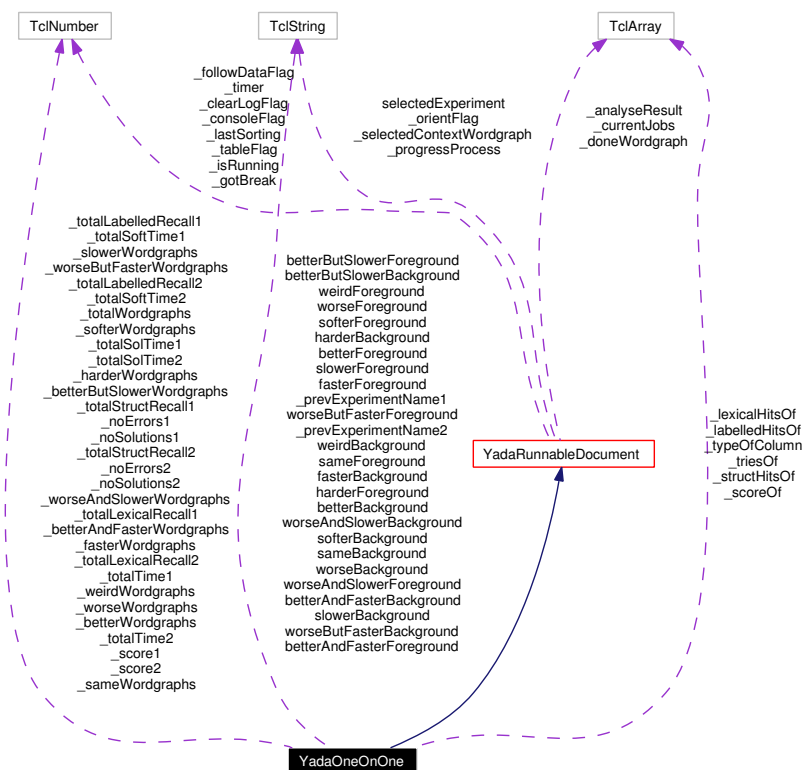
- [YadaMethods.tcl](#)

## 8.31 YadaOneOnOne Class Reference

Inheritance diagram for YadaOneOnOne:



Collaboration diagram for YadaOneOnOne:



### 8.31.1 Detailed Description

YadaOneOnOne - difference between two experiments.

#### Author:

Michael Daum

#### Id

[YadaOneOnOne.tcl](#), v 1.25 2003/02/07 16:55:11 micha Exp

Definition at line 18 of file YadaOneOnOne.tcl.

## Public Member Functions

- [activationHandle](#) ()
- [askRunall](#) ()
- [backward](#) ()
- [breakJob](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- **fromDOM** (domNode node)
- **getPersistenceFileName** ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [interruptJobs](#) ()
- [isModified](#) ()
- [killJob](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [load](#) (TclList args)
- [markWordgraph](#) (TclString wordgraph)
- [print](#) (TclString message)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [run](#) (YadaExperiment experiment="")
- [run](#) ()
- [runall](#) ()
- [save](#) ()
- [save](#) (TclString fileName="")
- [selectExperiment](#) (TclString experimentName="")
- [selectExperiment](#) (TclNumber experimentNo, TclString experimentName="")
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [step](#) (TclString wordgraph="")
- [termJob](#) ()
- **toDOM** ()
- [unbreakJob](#) ()
- [unmarkWordgraph](#) (TclString wordgraph)
- [YadaOneOnOne](#) (TclList args)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString name)

## Public Attributes

- TclString **betterAndFasterBackground** = "green1"
- TclString **betterAndFasterForeground** = "black"
- TclString **betterBackground** = "green2"
- TclString **betterButSlowerBackground** = "green3"
- TclString **betterButSlowerForeground** = "black"
- TclString **betterForeground** = "black"
- TclString **fasterBackground** = "lightblue"
- TclString **fasterForeground** = "black"
- TclString **harderBackground** = "deepskyblue3"
- TclString **harderForeground** = "black"
- TclString **hasView** = "true"
- TclString **name** = ""
- [YadaDocument](#) **nextDocument**
- [YadaDocument](#) **prevDocument**
- TclString **sameBackground** = "gray"
- TclString **sameForeground** = "black"
- TclString **selectedExperiment** = ""
- TclString **slowerBackground** = "yellow"
- TclString **slowerForeground** = "black"
- TclString **softerBackground** = "deepskyblue1"
- TclString **softerForeground** = "black"
- TclString **weirdBackground** = "pink"
- TclString **weirdForeground** = "black"
- TclString **worseAndSlowerBackground** = "red3"
- TclString **worseAndSlowerForeground** = "white"
- TclString **worseBackground** = "red1"
- TclString **worseButFasterBackground** = "orange"
- TclString **worseButFasterForeground** = "black"
- TclString **worseForeground** = "white"

## Protected Member Functions

- [\\_analyseDocument](#) (DomDocument document, TclExperiment experiment)
- [\\_clearRow](#) ()
- [\\_computeSpeedup](#) (TclNumber time1, TclNumber time2)
- [\\_deleteData](#) ()
- [\\_getActiveWordgraphs](#) ()
- [\\_getRowOfWordgraph](#) (TclString wordgraph)
- [\\_getSelectedExperiment](#) ()
- [\\_getSelectedWork](#) ()
- [\\_getXMLFileName](#) (TclString wordgraph)
- [\\_insertData](#) (TclString wordgraph, TclList args)
- [\\_registerJob](#) ([YadaJob](#) job)
- [\\_showContextMenu](#) (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot)
- [\\_traceProcess](#) ()
- [\\_unregisterJob](#) ([YadaJob](#) job)
- [\\_viewLogfile](#) (TclList experiments="")
- [\\_viewLogfile](#) ()

- [\\_viewXmlfile](#) (TclList experiments="")
- [\\_viewXmlfile](#) ()
- [askNewLoad](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [updateModificationTime](#) ()

## Protected Attributes

- TclArray [\\_analyseResult](#)
- TclArray [\\_doneWordgraph](#)
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_selectedContextWordgraph](#) = ""

## Private Member Functions

- [\\_analyseDocument](#) (DomDocument document, [YadaExperiment](#) experiment)
- [\\_computeStatistics](#) ()
- [\\_getDoneWork](#) ()
- [\\_getJudgeOfRow](#) (TclNumber row)
- [\\_getSelectedExperiments](#) ()
- [\\_getTypeOfColumn](#) (TclNumber colNo)
- [\\_getUndoneWork](#) ()
- [\\_getWordgraphs](#) ()
- [\\_jobConsumer](#) ([YadaJob](#) job)
- [\\_judgeData](#) (TclNumber measure1a, TclNumber measure1b, TclNumber time1, TclNumber solutionTime1, TclNumber softTime1, TclNumber measure2a, TclNumber measure2b, TclNumber time2, TclNumber solutionTime2, TclNumber softTime2)
- [\\_judgeRow](#) (TclNumber row)
- [\\_resetDataOf](#) (TclList wordgraphs)

## Private Attributes

- TclNumber [\\_betterAndFasterWordgraphs](#) = 0
- TclNumber [\\_betterButSlowerWordgraphs](#) = 0
- TclNumber [\\_betterWordgraphs](#) = 0
- TclNumber [\\_fasterWordgraphs](#) = 0
- TclNumber [\\_harderWordgraphs](#) = 0
- TclArray [\\_labelledHitsOf](#)
- TclArray [\\_lexicalHitsOf](#)
- TclNumber [\\_noErrors1](#) = 0
- TclNumber [\\_noErrors2](#) = 0
- TclNumber [\\_noSolutions1](#) = 0
- TclNumber [\\_noSolutions2](#) = 0
- TclString [\\_prevExperimentName1](#) = ""
- TclString [\\_prevExperimentName2](#) = ""

- TclNumber `_sameWordgraphs` = 0
- TclNumber `_score1` = 0
- TclNumber `_score2` = 0
- TclArray `_scoreOf`
- TclNumber `_slowerWordgraphs` = 0
- TclNumber `_softerWordgraphs` = 0
- TclArray `_structHitsOf`
- TclNumber `_totalLabelledRecall1` = 0
- TclNumber `_totalLabelledRecall2` = 0
- TclNumber `_totalLexicalRecall1` = 0
- TclNumber `_totalLexicalRecall2` = 0
- TclNumber `_totalSoftTime1` = 0
- TclNumber `_totalSoftTime2` = 0
- TclNumber `_totalSolTime1` = 0
- TclNumber `_totalSolTime2` = 0
- TclNumber `_totalStructRecall1` = 0
- TclNumber `_totalStructRecall2` = 0
- TclNumber `_totalTime1` = 0
- TclNumber `_totalTime2` = 0
- TclNumber `_totalWordgraphs` = 0
- TclArray `_triesOf`
- TclArray `_typeOfColumn`
- TclNumber `_weirdWordgraphs` = 0
- TclNumber `_worseAndSlowerWordgraphs` = 0
- TclNumber `_worseButFasterWordgraphs` = 0
- TclNumber `_worseWordgraphs` = 0

## 8.31.2 Constructor & Destructor Documentation

### 8.31.2.1 YadaOneOnOne::YadaOneOnOne (TclList *args*)

constructor

Definition at line 127 of file YadaOneOnOne.tcl.

## 8.31.3 Member Function Documentation

### 8.31.3.1 YadaRunnableDocument::\_analyseDocument (DomDocument *document*, TclExperiment *experiment*) [protected, inherited]

analyse a given DomDocument produced with the help of a [YadaExperiment](#). This method extracts all the information that we normally are interested in in runnable documents. Classes (like [YadaGlsStats](#)) overload this function and extract extra information not analysed here. So as a sideeffect the resulting data is stored into the protected variable `_analyseResult` as documented above. In some cases where the DomDocument is illformed we still try to extract as many information as possible. In case of any error you will notice that by a return code of 0. Error messages are give by [print\(\)](#). The *experiment* is consulted especially when no evaluation data is contained in the *document* in order to get the number of tries in the statistics correctly an which is only provided by the used CDG grammar, especially the contained annotation of the lattice.

#### Parameters:

*document* the DomDocument resulting from a dom parse

*experiment* the experiment with which we produced this document

Definition at line 1051 of file YadaRunnableDocument.tcl.

#### **8.31.3.2 YadaOneOnOne::\_analyseDocument (DomDocument *document*, [YadaExperiment](#) *experiment*)** [private]

\_analyseDocument

Definition at line 1384 of file YadaOneOnOne.tcl.

#### **8.31.3.3 YadaRunnableDocument::\_clearRow ()** [protected, inherited]

\_clearRow

Definition at line 1641 of file YadaRunnableDocument.tcl.

#### **8.31.3.4 YadaRunnableDocument::\_computeSpeedup (TclNumber *time1*, TclNumber *time2*)** [protected, inherited]

\_computeSpeedup

Definition at line 718 of file YadaRunnableDocument.tcl.

#### **8.31.3.5 YadaOneOnOne::\_computeStatistics ()** [private]

\_computeStatistics

Reimplemented from [YadaRunnableDocument](#).

Definition at line 644 of file YadaOneOnOne.tcl.

#### **8.31.3.6 YadaRunnableDocument::\_deleteData ()** [protected, inherited]

\_deleteData

Definition at line 1717 of file YadaRunnableDocument.tcl.

#### **8.31.3.7 YadaRunnableDocument::\_getActiveWordgraphs ()** [protected, inherited]

\_getActiveWordgraphs

Definition at line 960 of file YadaRunnableDocument.tcl.

#### **8.31.3.8 YadaOneOnOne::\_getDoneWork ()** [private]

\_getDoneWork

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1498 of file YadaOneOnOne.tcl.

**8.31.3.9 YadaOneOnOne::\_getJudgeOfRow (TclNumber *row*) [private]**

\_getJudge

Definition at line 1031 of file YadaOneOnOne.tcl.

**8.31.3.10 YadaRunnableDocument::\_getRowOfWordgraph (TclString *wordgraph*) [protected, inherited]**

\_getRowOfWordgraph

Definition at line 449 of file YadaRunnableDocument.tcl.

**8.31.3.11 YadaRunnableDocument::\_getSelectedExperiment () [protected, inherited]**

\_getSelectedExperiment

Definition at line 784 of file YadaRunnableDocument.tcl.

**8.31.3.12 YadaOneOnOne::\_getSelectedExperiments () [private]**

\_getSelectedExperiments

Definition at line 980 of file YadaOneOnOne.tcl.

**8.31.3.13 YadaRunnableDocument::\_getSelectedWork () [protected, inherited]**

\_getSelectedWork

Definition at line 795 of file YadaRunnableDocument.tcl.

**8.31.3.14 YadaOneOnOne::\_getTypeOfColumn (TclNumber *colNo*) [private]**

\_getTypeOfColumn

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1039 of file YadaOneOnOne.tcl.

References [\\_resetDataOf\(\)](#).

**8.31.3.15 YadaOneOnOne::\_getUndoneWork () [private]**

\_getUndoneWork

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1512 of file YadaOneOnOne.tcl.

**8.31.3.16 YadaOneOnOne::\_getWordgraphs () [private]**

\_getWordgraphs

Reimplemented from [YadaRunnableDocument](#).

Definition at line 999 of file YadaOneOnOne.tcl.

**8.31.3.17 YadaRunnableDocument::\_getXMLFileName (TclString *wordgraph*)** [protected, inherited]

Returns wordgraph file name for selected experiment.

Definition at line 1845 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::\_resetDataOf().

**8.31.3.18 YadaRunnableDocument::\_insertData (TclString *wordgraph*, TclList *args*)** [protected, inherited]

\_insertData

Definition at line 977 of file YadaRunnableDocument.tcl.

**8.31.3.19 YadaOneOnOne::\_jobConsumer (YadaJob *job*)** [private]

\_jobConsumer

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1318 of file YadaOneOnOne.tcl.

**8.31.3.20 YadaOneOnOne::\_judgeData (TclNumber *measure1a*, TclNumber *measure1b*, TclNumber *time1*, TclNumber *solutionTime1*, TclNumber *softTime1*, TclNumber *measure2a*, TclNumber *measure2b*, TclNumber *time2*, TclNumber *solutionTime2*, TclNumber *softTime2*)** [private]

\_judgeData

Definition at line 883 of file YadaOneOnOne.tcl.

**8.31.3.21 YadaOneOnOne::\_judgeRow (TclNumber *row*)** [private]

\_judgeRow

Definition at line 439 of file YadaOneOnOne.tcl.

**8.31.3.22 YadaRunnableDocument::\_registerJob (YadaJob *job*)** [protected, inherited]

\_registerJob

Definition at line 1430 of file YadaRunnableDocument.tcl.

**8.31.3.23 YadaOneOnOne::\_resetDataOf (TclList *wordgraphs*)** [private]

\_resetDataOf

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1046 of file YadaOneOnOne.tcl.

Referenced by `_getTypeOfColumn()`.

#### 8.31.3.24 YadaRunnableDocument::\_showContextMenu (TclNumber *x*, TclNumber *y*, TclNumber *xroot*, TclNumber *yroot*) [protected, inherited]

`_showContextMenu`

Definition at line 1538 of file YadaRunnableDocument.tcl.

#### 8.31.3.25 YadaOneOnOne::\_traceProcess () [protected]

`_traceProcess`

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1541 of file YadaOneOnOne.tcl.

Referenced by `_viewXmlfile()`.

#### 8.31.3.26 YadaRunnableDocument::\_unregisterJob ([YadaJob](#) *job*) [protected, inherited]

`_unregisterJob`

Definition at line 1438 of file YadaRunnableDocument.tcl.

#### 8.31.3.27 YadaRunnableDocument::\_viewLogfile (TclList *experiments* = "") [protected, inherited]

display logfile of a experiment. This method reads the logfiles of one or more experiments given a selected wordgraph in `_selectedContextWordgraph`.

##### Parameters:

*experiments* the optional list of experiments that we want to display. if the list is empty the we fetch the currently selected experiments via [\\_getSelectedExperiment\(\)](#).

Definition at line 1554 of file YadaRunnableDocument.tcl.

#### 8.31.3.28 YadaOneOnOne::\_viewLogfile () [protected]

`_viewLogfile`: wrapper to [YadaRunnableDocument::\\_viewLogfile](#)

Definition at line 1527 of file YadaOneOnOne.tcl.

References `_viewXmlfile()`.

#### 8.31.3.29 YadaRunnableDocument::\_viewXmlfile (TclList *experiments* = "") [protected, inherited]

`_viewXmlfile`

Definition at line 1597 of file YadaRunnableDocument.tcl.

**8.31.3.30 YadaOneOnOne::\_viewXmlfile ()** [protected]

\_viewXmlfile: wrapper to [YadaRunnableDocument::\\_viewXmlfile](#)

Definition at line 1534 of file YadaOneOnOne.tcl.

References [\\_traceProcess\(\)](#).

Referenced by [\\_viewLogfile\(\)](#).

**8.31.3.31 YadaOneOnOne::activationHandle ()** [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 855 of file YadaOneOnOne.tcl.

**8.31.3.32 YadaDocument::askNewLoad ()** [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

**8.31.3.33 YadaRunnableDocument::askRunall ()** [inherited]

askRunall

Definition at line 1456 of file YadaRunnableDocument.tcl.

**8.31.3.34 YadaDocument::backward ()** [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

**8.31.3.35 YadaRunnableDocument::breakJob ()** [inherited]

breakJob

Definition at line 493 of file YadaRunnableDocument.tcl.

References [printMessage\(\)](#).

**8.31.3.36 YadaOneOnOne::clear ()**

clear

Reimplemented from [YadaRunnableDocument](#).

Definition at line 458 of file YadaOneOnOne.tcl.

**8.31.3.37 YadaPlainDocument::deActivationHandle ()** [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

**8.31.3.38 YadaPlainDocument::displayTitle ()** [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

**8.31.3.39 YadaDocument::forward ()** [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References [YadaDocument::prevDocument](#).

Referenced by [YadaDocument::backward\(\)](#).

**8.31.3.40 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by [YadaPlainDocument::resetModified\(\)](#).

**8.31.3.41 YadaRunnableDocument::init ()** [virtual, inherited]

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 689 of file YadaRunnableDocument.tcl.

**8.31.3.42 YadaRunnableDocument::interruptJobs ()** [inherited]

interruptJobs

Definition at line 519 of file YadaRunnableDocument.tcl.

**8.31.3.43 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References `YadaPlainDocument::setModified()`.

#### **8.31.3.44** `YadaRunnableDocument::killJob ()` [inherited]

`killJob`

Definition at line 551 of file `YadaRunnableDocument.tcl`.

#### **8.31.3.45** `YadaPlainDocument::lastChanged ()` [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file `YadaPlainDocument.tcl`.

#### **8.31.3.46** `YadaPlainDocument::load ()` [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file `YadaPlainDocument.tcl`.

Referenced by `YadaPlainDocument::setToggle()`.

#### **8.31.3.47** `YadaOneOnOne::load (TclList args)`

`load`

Definition at line 518 of file `YadaOneOnOne.tcl`.

#### **8.31.3.48** `YadaRunnableDocument::loadUpdatedWordgraphs (TclList args)` [protected, inherited]

`loadUpdatedWordgraphs`

Reimplemented from [YadaDocument](#).

Definition at line 903 of file `YadaRunnableDocument.tcl`.

#### **8.31.3.49** `YadaRunnableDocument::markWordgraph (TclString wordgraph)` [inherited]

`markWordgraph`

Definition at line 863 of file `YadaRunnableDocument.tcl`.

#### **8.31.3.50** `YadaDocument::newDocument (TclString className, TclString name)` [static, inherited]

`newDocument`

Definition at line 319 of file `YadaDocument.tcl`.

**8.31.3.51 YadaRunnableDocument::print (TclString *message*)** [inherited]

print

Definition at line 895 of file YadaRunnableDocument.tcl.

**8.31.3.52 YadaRunnableDocument::reload ()** [inherited]

reload

Reimplemented in [YadaRunner](#).

Definition at line 567 of file YadaRunnableDocument.tcl.

**8.31.3.53 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::hasSavedState\(\)](#).

Referenced by [YadaPlainDocument::setModified\(\)](#).

**8.31.3.54 YadaRunnableDocument::resortRows ()** [inherited]

resortRows

Definition at line 999 of file YadaRunnableDocument.tcl.

References [YadaRunnableDocument::sortRows\(\)](#).

**8.31.3.55 YadaRunnableDocument::run ([YadaExperiment](#) *experiment* = " ")** [inherited]

run

Definition at line 1206 of file YadaRunnableDocument.tcl.

**8.31.3.56 YadaOneOnOne::run ()**

run

Definition at line 1138 of file YadaOneOnOne.tcl.

**8.31.3.57 YadaOneOnOne::runall ()**

runall

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1200 of file YadaOneOnOne.tcl.

**8.31.3.58 YadaRunnableDocument::save ()** [inherited]

Overridden method.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1858 of file YadaRunnableDocument.tcl.

#### 8.31.3.59 YadaOneOnOne::save (TclString *fileName* = " ")

save

Definition at line 625 of file YadaOneOnOne.tcl.

#### 8.31.3.60 YadaRunnableDocument::selectExperiment (TclString *experimentName* = " ") [inherited]

selectExperiment

Set initial modification time to react to concurrent file changes Definition at line 1502 of file YadaRunnableDocument.tcl.

#### 8.31.3.61 YadaOneOnOne::selectExperiment (TclNumber *experimentNo*, TclString *experimentName* = " ")

selectExperiment

Definition at line 821 of file YadaOneOnOne.tcl.

#### 8.31.3.62 YadaPlainDocument::setModified () [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### 8.31.3.63 YadaRunnableDocument::setToggle (TclString *name*, TclRef *value* = " ") [inherited]

setToggle

Reimplemented from [YadaDocument](#).

Definition at line 1770 of file YadaRunnableDocument.tcl.

#### 8.31.3.64 YadaRunnableDocument::sortRows (TclNumber *colNo*, TclList *args*) [inherited]

sortRows

Reimplemented in [YadaGlsStats](#).

Definition at line 1008 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::resortRows().

**8.31.3.65 YadaOneOnOne::step** (TclString *wordgraph* = " ")

step

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1063 of file YadaOneOnOne.tcl.

**8.31.3.66 YadaRunnableDocument::termJob** () [inherited]

termJob

Definition at line 535 of file YadaRunnableDocument.tcl.

**8.31.3.67 YadaRunnableDocument::unbreakJob** () [inherited]

unbreakJob

Definition at line 633 of file YadaRunnableDocument.tcl.

**8.31.3.68 YadaRunnableDocument::unmarkWordgraph** (TclString *wordgraph*) [inherited]

unmarkWordgraph

Definition at line 850 of file YadaRunnableDocument.tcl.

**8.31.3.69 YadaPlainDocument::updateModificationTime** () [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

**8.31.4 Member Data Documentation****8.31.4.1 TclArray [YadaRunnableDocument::\\_analyseResult](#)** [protected, inherited]

results of [\\_analyseDocument\(\)](#). This variable is modified by [\\_analyseDocument\(\)](#) in a sideeffect. Outside this method we only read [\\_analyseResult](#). The filled values are:

- wordgraph: the name of the wordgraph in the DomDocument
- noValues: the number of levelvalues in a computed constraintnet
- score: the score of a found parse
- totalTime: the total amount of time needed to terminate the solution method
- solutionTime: the time to find the parse
- softTime: the time to find the first parse without any hard violations
- tries: the number of tried items in the solution parse
- structHits: the number of structural correct items in the solution parse
- labelledHits: the number of structural correct and correctly labelled items

- lexicalHits: the number of structural, labelled and lexically correct items
- strictHits: the number of identical dependency edges

Definition at line 52 of file YadaRunnableDocument.tcl.

#### 8.31.4.2 TclArray **YadaRunnableDocument::\_doneWordgraph** [protected, inherited]

hash mapping wordgraph ids to 0 or 1. This indicates whether a wordgraph has been computed or not. Definition at line 60 of file YadaRunnableDocument.tcl.

#### 8.31.4.3 TclNumber **YadaRunnableDocument::\_gotBreak** = 0 [protected, inherited]

flag to indicate a received break signal

Definition at line 32 of file YadaRunnableDocument.tcl.

#### 8.31.4.4 TclNumber **YadaPlainDocument::\_isInitialized** = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. `YadaConfigDocument::init()` or `YadaRunnableDocument::init()`. Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.31.4.5 TclNumber **YadaRunnableDocument::\_isRunning** = 0 [protected, inherited]

flag to indicate that the document is currently busy

Definition at line 35 of file YadaRunnableDocument.tcl.

#### 8.31.4.6 TclNumber **YadaPlainDocument::\_lastModificationTime** = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

#### 8.31.4.7 TclString **YadaRunnableDocument::\_selectedContextWordgraph** = "" [protected, inherited]

the wordgraph selected by a right mouse click on the table.

Definition at line 56 of file YadaRunnableDocument.tcl.

#### 8.31.4.8 TclString **YadaPlainDocument::\_hasView** = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.31.4.9** TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.31.4.10** [YadaDocument::nextDocument](#) [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.31.4.11** [YadaDocument::prevDocument](#) [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

Referenced by YadaDocument::forward().

**8.31.4.12** TclString [YadaRunnableDocument::selectedExperiment](#) = "" [inherited]

Needed for instantiations without view.

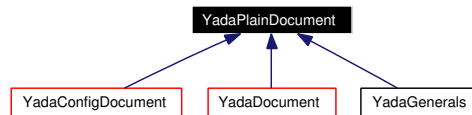
Definition at line 28 of file YadaRunnableDocument.tcl.

The documentation for this class was generated from the following file:

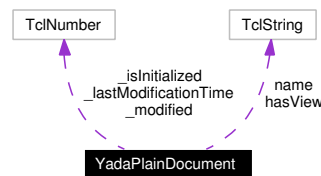
- YadaOneOnOne.tcl

## 8.32 YadaPlainDocument Class Reference

Inheritance diagram for YadaPlainDocument:



Collaboration diagram for YadaPlainDocument:



### 8.32.1 Detailed Description

YadaPlainDocument - abstract yada document.

#### Author:

Michael Daum

#### Id

[YadaPlainDocument.tcl](#),v 1.11 2004/05/11 14:30:47 ddreyer Exp

Definition at line 19 of file YadaPlainDocument.tcl.

### Public Member Functions

- virtual [activationHandle](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- **fromDOM** (domNode node)
- **getPersistenceFileName** ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [resetModified](#) ()
- [save](#) ()
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- **toDOM** ()

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""

## Protected Member Functions

- [updateModificationTime](#) ()
- [YadaPlainDocument](#) ()

## Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

## 8.32.2 Constructor & Destructor Documentation

### 8.32.2.1 YadaPlainDocument::YadaPlainDocument () [protected]

constructor

Definition at line 76 of file YadaPlainDocument.tcl.

References [activationHandle\(\)](#).

## 8.32.3 Member Function Documentation

### 8.32.3.1 YadaPlainDocument::activationHandle () [virtual]

activationHandle

Reimplemented in [YadaMethods](#), [YadaOneOnOne](#), [YadaConfig](#), [YadaConfigDocument](#), [YadaDifference](#), [YadaDocument](#), [YadaExperiments](#), [YadaGenerals](#), [YadaGlsStats](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 83 of file YadaPlainDocument.tcl.

References [deActivationHandle\(\)](#).

Referenced by [YadaPlainDocument\(\)](#).

### 8.32.3.2 YadaPlainDocument::deActivationHandle () [virtual]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [init\(\)](#).

Referenced by [activationHandle\(\)](#).

### 8.32.3.3 YadaPlainDocument::displayTitle ()

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

### 8.32.3.4 YadaPlainDocument::hasSavedState ()

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by resetModified().

### 8.32.3.5 YadaPlainDocument::init () [virtual]

init

Reimplemented in [YadaMethods](#), [YadaConfig](#), [YadaConfigDocument](#), [YadaExperiments](#), [YadaGenerals](#), [YadaGrammars](#), [YadaMachines](#), [YadaRanking](#), and [YadaRunnableDocument](#).

Definition at line 97 of file YadaPlainDocument.tcl.

Referenced by deActivationHandle().

### 8.32.3.6 YadaPlainDocument::isModified ()

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References setModified().

### 8.32.3.7 YadaPlainDocument::lastChanged ()

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

### 8.32.3.8 YadaPlainDocument::load ()

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by setToggle().

### 8.32.3.9 YadaPlainDocument::resetModified ()

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References `hasSavedState()`.

Referenced by `setModified()`.

#### 8.32.3.10 YadaPlainDocument::save ()

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

#### 8.32.3.11 YadaPlainDocument::setModified ()

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References `resetModified()`.

Referenced by `isModified()`.

#### 8.32.3.12 YadaPlainDocument::setToggle (TclString *name*, TclRef *value* = " ")

`setToggle`

Reimplemented in [YadaDocument](#), and [YadaRunnableDocument](#).

Definition at line 106 of file YadaPlainDocument.tcl.

References `load()`.

#### 8.32.3.13 YadaPlainDocument::updateModificationTime () [protected]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.32.4 Member Data Documentation

#### 8.32.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0 [protected]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

#### 8.32.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.32.4.3 TclString `YadaPlainDocument::hasView` = "true"**

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.32.4.4 TclString `YadaPlainDocument::name` = ""**

name of the document

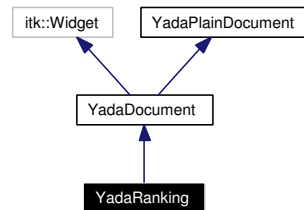
Definition at line 25 of file YadaPlainDocument.tcl.

The documentation for this class was generated from the following file:

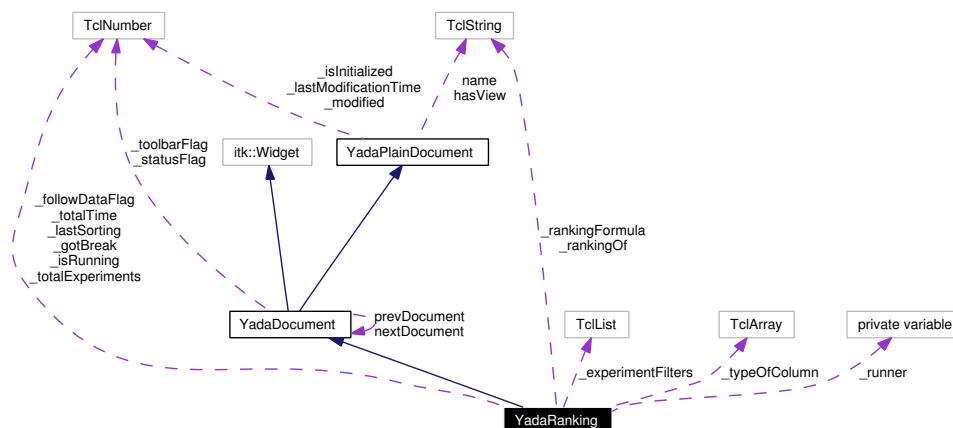
- YadaPlainDocument.tcl

## 8.33 YadaRanking Class Reference

Inheritance diagram for YadaRanking:



Collaboration diagram for YadaRanking:



### 8.33.1 Detailed Description

YadaRanking - load sets of results.

**Author:**

Michael Daum

**Id**

[YadaRanking.tcl](#), v 1.18 2004/09/06 13:41:13 micha Exp

Definition at line 19 of file YadaRanking.tcl.

### Public Member Functions

- [activationHandle](#) ()
- [backward](#) ()
- [breakProcess](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()

- [fromDOM](#) (domNode node)
- [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- [init](#) ()
- [interruptProcess](#) ()
- [isFollowData](#) ()
- [isModified](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [save](#) ()
- [setModified](#) ()
- [setToggle](#) (TclString [name](#), TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [toDOM](#) ()
- [toggleFollowData](#) ()
- [unbreakProcess](#) ()
- [YadaRanking](#) (TclList args)
- [~YadaRanking](#) ()

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString [name](#))

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)

## Protected Member Functions

- [askNewLoad](#) ()
- [updateModificationTime](#) ()

## Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

## Private Member Functions

- [\\_analyseDocument](#) (DomDocument document, [YadaExperiment](#) experiment, TclString wordgraph)
- [\\_breakButtonAction](#) ()
- [\\_computeStatistics](#) ()
- [\\_escapeCommand](#) ()
- [\\_getActiveWork](#) ()
- [\\_getCurrentGrammar](#) ()
- [\\_getDoneWork](#) ()
- [\\_getRankingOfExperiment](#) (TclString experimentName)
- [\\_getRowOfExperimentName](#) (TclString experimentName)
- [\\_getRunners](#) (TclArray runners, TclList listExperiments, TclList listExperimentsInDocument)
- [\\_getSelectedWork](#) ()
- [\\_getUndoneWork](#) ()
- [\\_getWork](#) ()
- [\\_insertData](#) ([YadaExperiment](#) experiment)
- [\\_leaveTableCommand](#) ()
- [\\_normalizeRankings](#) ()
- [\\_reloadFromRunner](#) ()
- [\\_returnCommand](#) ()
- [\\_rowTagCommand](#) (TclNumber row)
- [\\_selectFilter](#) (TclString filters="")
- [\\_selectFilterCommand](#) ()
- [\\_selectGrammar](#) (TclString grammarName="")
- [\\_selectRanking](#) (TclString formula="")
- [\\_selectRankingCommand](#) ()
- [\\_setRankingOfExperiment](#) (TclString experimentName, TclNumber ranking)
- [\\_showStatistics](#) ()
- [\\_unsetRankingOfExperiment](#) (TclString experimentName)

## Private Attributes

- TclList [\\_experimentFilters](#) = { }
- TclNumber [\\_followDataFlag](#) = 1
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastSorting](#) = 1
- TclString [\\_rankingFormula](#) = ""
- TclString [\\_rankingOf](#) = ""
- private variable [\\_runner](#)
- TclNumber [\\_totalExperiments](#) = 0
- TclNumber [\\_totalTime](#) = 0
- TclArray [\\_typeOfColumn](#)

## 8.33.2 Constructor & Destructor Documentation

### 8.33.2.1 YadaRanking::YadaRanking (TclList *args*)

constructor

Definition at line 91 of file YadaRanking.tcl.

### 8.33.2.2 YadaRanking::~~YadaRanking ()

Destructor.

Definition at line 334 of file YadaRanking.tcl.

## 8.33.3 Member Function Documentation

### 8.33.3.1 YadaRanking::\_analyseDocument (DomDocument *document*, YadaExperiment *experiment*, TclString *wordgraph*) [private]

\_analyseDocument

substitute key value pair with value

substitute key value pair with value Definition at line 697 of file YadaRanking.tcl.

### 8.33.3.2 YadaRanking::\_breakButtonAction () [private]

\_breakButtonAction

Definition at line 631 of file YadaRanking.tcl.

### 8.33.3.3 YadaRanking::\_computeStatistics () [private]

\_computeStatistics

Definition at line 1053 of file YadaRanking.tcl.

### 8.33.3.4 YadaRanking::\_escapeCommand () [private]

\_escapeCommand

Definition at line 675 of file YadaRanking.tcl.

### 8.33.3.5 YadaRanking::\_getActiveWork () [private]

\_getActiveWork

Definition at line 489 of file YadaRanking.tcl.

### 8.33.3.6 YadaRanking::\_getCurrentGrammar () [private]

Returns name of currently selected grammar or the empty string, if selection box not initialized yet Definition at line 1360 of file YadaRanking.tcl.

### 8.33.3.7 YadaRanking::\_getDoneWork () [private]

\_getDoneWork

Definition at line 552 of file YadaRanking.tcl.

**8.33.3.8 YadaRanking::\_getRankingOfExperiment (TclString *experimentName*) [private]**

\_getRankingOfExperiment

Definition at line 995 of file YadaRanking.tcl.

**8.33.3.9 YadaRanking::\_getRowOfExperimentName (TclString *experimentName*) [private]**

\_getRowOfExperimentName

Definition at line 845 of file YadaRanking.tcl.

**8.33.3.10 YadaRanking::\_getSelectedWork () [private]**

\_getSelectedWork

Definition at line 527 of file YadaRanking.tcl.

**8.33.3.11 YadaRanking::\_getUndoneWork () [private]**

\_getUndoneWork

Definition at line 570 of file YadaRanking.tcl.

**8.33.3.12 YadaRanking::\_getWork () [private]**

\_getWork

Definition at line 587 of file YadaRanking.tcl.

**8.33.3.13 YadaRanking::\_insertData (YadaExperiment *experiment*) [private]**

\_insertData

Definition at line 799 of file YadaRanking.tcl.

**8.33.3.14 YadaRanking::\_leaveTableCommand () [private]**

\_leaveTableCommand

Definition at line 661 of file YadaRanking.tcl.

**8.33.3.15 YadaRanking::\_normalizeRankings () [private]**

\_normalizeRankings

Definition at line 969 of file YadaRanking.tcl.

**8.33.3.16 YadaRanking::\_returnCommand () [private]**

\_returnCommand

Definition at line 858 of file YadaRanking.tcl.

**8.33.3.17 YadaRanking::\_rowTagCommand (TclNumber *row*) [private]**

\_rowTagCommand

Definition at line 1042 of file YadaRanking.tcl.

**8.33.3.18 YadaRanking::\_selectFilter (TclString *filters* = " ") [private]**

\_selectFilter

Definition at line 927 of file YadaRanking.tcl.

**8.33.3.19 YadaRanking::\_selectFilterCommand () [private]**

\_selectFilterCommand

Definition at line 919 of file YadaRanking.tcl.

**8.33.3.20 YadaRanking::\_selectGrammar (TclString *grammarName* = " ") [private]**

\_selectGrammar

Definition at line 452 of file YadaRanking.tcl.

**8.33.3.21 YadaRanking::\_selectRanking (TclString *formula* = " ") [private]**

\_selectRanking

Definition at line 897 of file YadaRanking.tcl.

**8.33.3.22 YadaRanking::\_selectRankingCommand () [private]**

\_selectRankingCommand

Definition at line 888 of file YadaRanking.tcl.

**8.33.3.23 YadaRanking::\_setRankingOfExperiment (TclString *experimentName*, TclNumber *ranking*) [private]**

\_setRankingOfExperiment

Definition at line 1006 of file YadaRanking.tcl.

**8.33.3.24 YadaRanking::\_showStatistics () [private]**

\_showStatistics

Definition at line 1075 of file YadaRanking.tcl.

**8.33.3.25 YadaRanking::\_unsetRankingOfExperiment (TclString *experimentName*) [private]**

\_unsetRankingOfExperiment

Definition at line 1014 of file YadaRanking.tcl.

#### 8.33.3.26 YadaRanking::activationHandle () [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 432 of file YadaRanking.tcl.

#### 8.33.3.27 YadaDocument::askNewLoad () [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

#### 8.33.3.28 YadaDocument::backward () [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

#### 8.33.3.29 YadaRanking::breakProcess ()

breakProcess

Definition at line 642 of file YadaRanking.tcl.

#### 8.33.3.30 YadaRanking::clear ()

clear

Definition at line 342 of file YadaRanking.tcl.

#### 8.33.3.31 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

#### 8.33.3.32 YadaRanking::displayTitle ()

Update toolbar, menubar and titlebar.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1300 of file YadaRanking.tcl.

### 8.33.3.33 YadaDocument::forward () [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References YadaDocument::prevDocument.

Referenced by YadaDocument::backward().

### 8.33.3.34 YadaRanking::fromDOM (domNode rootNode)

Implements specific load functionality using following policy: Try to load each completed experiment in the selected grammar. 1. If there is no data in ranking.xml, load from runner.

2. If a runner has updated data, i.e. the runner.xml has modification time later than ranking.xml, load runner document.

3. If runner.xml has no updated data, ignore it.

4. If a runner has no runner.xml file, regenerate it by loading from the runner object and use that data for the ranking document.

If a runner has been loaded and is in a modified state after that, save it.

#### Parameters:

*rootNode* root DOM-Node (Tag <yada>)

get list of experiment names in XML document

set whole set of experiments to evaluate

set total time attribute of each experiment, so that method \_computeStatistics may use that information

Reimplemented from [YadaPlainDocument](#).

Definition at line 1167 of file YadaRanking.tcl.

### 8.33.3.35 YadaRanking::getPersistenceFileName ()

Gets unique file name from [YadaMain](#) application object to save object state.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1344 of file YadaRanking.tcl.

### 8.33.3.36 YadaPlainDocument::hasSavedState () [inherited]

Predicate returning 1, if file containing persistent state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

### 8.33.3.37 YadaRanking::init () [virtual]

single runner object to load persistent experiment data from

Reimplemented from [YadaPlainDocument](#).

Definition at line 401 of file YadaRanking.tcl.

**8.33.3.38 YadaRanking::interruptProcess ()**

interruptProcess

Definition at line 690 of file YadaRanking.tcl.

**8.33.3.39 YadaRanking::isFollowData ()**

isFollowData

Definition at line 949 of file YadaRanking.tcl.

**8.33.3.40 YadaPlainDocument::isModified () [inherited]**

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.33.3.41 YadaPlainDocument::lastChanged () [inherited]**

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.33.3.42 YadaPlainDocument::load () [inherited]**

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

**8.33.3.43 YadaDocument::newDocument (TclString className, TclString name) [static, inherited]**

newDocument

Definition at line 319 of file YadaDocument.tcl.

**8.33.3.44 YadaRanking::reload ()**

reload

Definition at line 479 of file YadaRanking.tcl.

**8.33.3.45 YadaPlainDocument::resetModified () [inherited]**

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

#### 8.33.3.46 YadaRanking::resortRows ()

resortRows

Definition at line 1031 of file YadaRanking.tcl.

#### 8.33.3.47 YadaPlainDocument::save () [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

#### 8.33.3.48 YadaPlainDocument::setModified () [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

#### 8.33.3.49 YadaDocument::setToggle (TclString *name*, TclRef *value* = "") [inherited]

toggle toolbar or status. This method switches the toolbar or the status bar on or off depending on its arguments.

##### Parameters:

*name* the element to be toggled: toolbar or status

*value* the value to which to switch to: 1 or 0

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaRunnableDocument](#).

Definition at line 300 of file YadaDocument.tcl.

#### 8.33.3.50 YadaRanking::sortRows (TclNumber *colNo*, TclList *args*)

sortRows

Definition at line 877 of file YadaRanking.tcl.

#### 8.33.3.51 YadaRanking::toDOM ()

Serializes Object into a DOM-XML-Node

**Returns:**

root DOM node representing the Ranking-Document (root tag <yada>)

Add Filter Element

Add Ranking Formula Element

read data from table row by row

get time statistics from experiment

Reimplemented from [YadaPlainDocument](#).

Definition at line 1087 of file YadaRanking.tcl.

**8.33.3.52 YadaRanking::toggleFollowData ()**

toggleFollowData

Definition at line 956 of file YadaRanking.tcl.

**8.33.3.53 YadaRanking::unbreakProcess ()**

unbreakProcess

Definition at line 653 of file YadaRanking.tcl.

**8.33.3.54 YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

**8.33.4 Member Data Documentation****8.33.4.1 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

**8.33.4.2 TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0** [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.33.4.3 TclString [YadaPlainDocument::hasView](#) = "true"** [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.33.4.4 TclString [YadaPlainDocument::name](#) = ""** [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.33.4.5 [YadaDocument::nextDocument](#)** [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.33.4.6 [YadaDocument::prevDocument](#)** [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

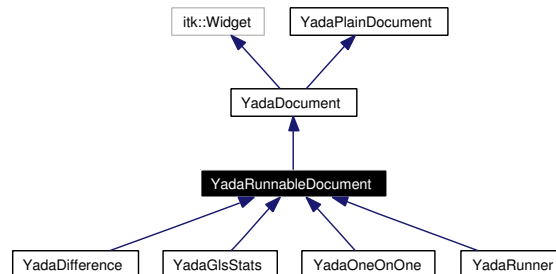
Referenced by [YadaDocument::forward\(\)](#).

The documentation for this class was generated from the following file:

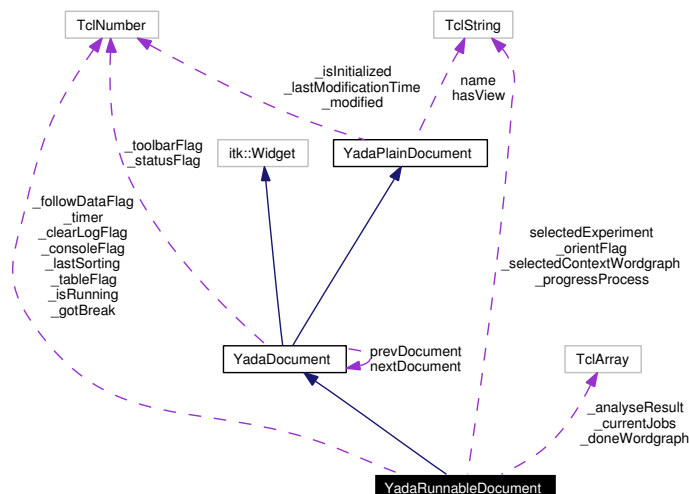
- [YadaRanking.tcl](#)

## 8.34 YadaRunnableDocument Class Reference

Inheritance diagram for YadaRunnableDocument:



Collaboration diagram for YadaRunnableDocument:



### 8.34.1 Detailed Description

YadaRunnableDocument - abstract document able to launch YadaJobs. This document offers all functionality to launch one or a whole bunch of YadaJobs. Most notably [YadaRunner](#) inherits this abstract class and implements the left virtual methods.

#### Author:

Michael Daum

#### Id

[YadaRunnableDocument.tcl](#),v 1.17 2004/05/11 14:30:48 ddreyer Exp

Definition at line 22 of file YadaRunnableDocument.tcl.

### Public Member Functions

- virtual [activationHandle](#) ()

- [askRunall](#) ()
- [backward](#) ()
- [breakJob](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- **fromDOM** (domNode node)
- [getPersistanceFileName](#) ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [interruptJobs](#) ()
- [isModified](#) ()
- [killJob](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [markWordgraph](#) (TclString wordgraph)
- [print](#) (TclString message)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [run](#) (YadaExperiment experiment="")
- [runall](#) ()
- [save](#) ()
- [selectExperiment](#) (TclString experimentName="")
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [step](#) (TclString wordgraph="")
- [termJob](#) ()
- **toDOM** ()
- [unbreakJob](#) ()
- [unmarkWordgraph](#) (TclString wordgraph)
- [YadaRunnableDocument](#) (TclList args)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString name)

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)
- TclString [selectedExperiment](#) = ""

## Protected Member Functions

- [\\_analyseDocument](#) (DomDocument document, TclExperiment experiment)
- [\\_clearRow](#) ()
- [\\_computeSpeedup](#) (TclNumber time1, TclNumber time2)
- [\\_computeStatistics](#) ()
- [\\_deleteData](#) ()
- [\\_getActiveWordgraphs](#) ()
- [\\_getDoneWork](#) ()
- [\\_getRowOfWordgraph](#) (TclString wordgraph)
- [\\_getSelectedExperiment](#) ()
- [\\_getSelectedWork](#) ()
- [\\_getTypeOfColumn](#) (TclNumber colNo)
- [\\_getUndoneWork](#) ()
- [\\_getWordgraphs](#) ()
- [\\_getXMLFileName](#) (TclString wordgraph)
- [\\_insertData](#) (TclString wordgraph, TclList args)
- [\\_jobConsumer](#) (YadaJob job)
- [\\_registerJob](#) (YadaJob job)
- [\\_resetDataOf](#) (TclList wordgraphs)
- [\\_showContextMenu](#) (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot)
- [\\_traceProcess](#) ()
- [\\_unregisterJob](#) (YadaJob job)
- [\\_viewLogfile](#) (TclList experiments="")
- [\\_viewXmlfile](#) (TclList experiments="")
- [askNewLoad](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [updateModificationTime](#) ()

## Protected Attributes

- TclArray [\\_analyseResult](#)
- TclArray [\\_doneWordgraph](#)
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_selectedContextWordgraph](#) = ""

## Private Member Functions

- [\\_breakButtonAction](#) ()
- [\\_computeETA](#) (YadaMachine machine, TclNumber noJobs)
- [\\_escapeCommand](#) ()
- [\\_leaveTableCommand](#) ()
- [\\_returnCommand](#) ()
- [\\_runButtonAction](#) ()

## Private Attributes

- TclNumber [\\_clearLogFlag](#) = 0
- TclNumber [\\_consoleFlag](#) = 1
- TclArray [\\_currentJobs](#)
- TclNumber [\\_followDataFlag](#) = 1
- TclNumber [\\_lastSorting](#) = 0
- TclString [\\_orientFlag](#) = "horizontal"
- TclString [\\_progressProcess](#) = ""
- TclNumber [\\_tableFlag](#) = 1
- TclNumber [\\_timer](#) = 0

## 8.34.2 Constructor & Destructor Documentation

### 8.34.2.1 YadaRunnableDocument::YadaRunnableDocument (TclList args)

constructor

Definition at line 165 of file YadaRunnableDocument.tcl.

## 8.34.3 Member Function Documentation

### 8.34.3.1 YadaRunnableDocument::\_analyseDocument (DomDocument *document*, TclExperiment *experiment*) [protected]

analyse a given DomDocument produced with the help of a [YadaExperiment](#). This method extracts all the information that we normally are interested in in runnable documents. Classes (like [YadaGlsStats](#)) overload this function and extract extra information not analysed here. So as a sideeffect the resulting data is stored into the protected variable `_analyseResult` as documented above. In some cases where the DomDocument is illformed we still try to extract as many information as possible. In case of any error you will notice that by a return code of 0. Error messages are give by [print\(\)](#). The *experiment* is consulted especially when no evaluation data is contained in the *document* in order to get the number of tries in the statistics correctly an which is only provided by the used CDG grammar, especially the contained annotation of the lattice.

#### Parameters:

*document* the DomDocument resulting from a dom parse

*experiment* the experiment with which we produced this document

Definition at line 1051 of file YadaRunnableDocument.tcl.

### 8.34.3.2 YadaRunnableDocument::\_breakButtonAction () [private]

`_breakButtonAction`

Definition at line 482 of file YadaRunnableDocument.tcl.

### 8.34.3.3 YadaRunnableDocument::\_clearRow () [protected]

`_clearRow`

Definition at line 1641 of file YadaRunnableDocument.tcl.

#### 8.34.3.4 YadaRunnableDocument::\_computeETA ([YadaMachine](#) *machine*, TclNumber *noJobs*) [private]

compute the estimated time of arrival. This method tries to compute the left duration of given number of jobs that might run on a [YadaMachine](#). This is done by querying the time-per-job statistics via [YadaMachine::getTimePerJob\(\)](#). This figure is being tracked by the [YadaMachine](#) itself and might change the more YadaJobs are executed by that machine.

##### Parameters:

*machine* the [YadaMachine](#) which we are interested in

*noJobs* the number of jobs that we still need to do

##### Returns:

the estimation

Definition at line 1026 of file YadaRunnableDocument.tcl.

#### 8.34.3.5 YadaRunnableDocument::\_computeSpeedup (TclNumber *time1*, TclNumber *time2*) [protected]

\_computeSpeedup

Definition at line 718 of file YadaRunnableDocument.tcl.

#### 8.34.3.6 YadaRunnableDocument::\_computeStatistics () [protected]

\_computeStatistics

Reimplemented in [YadaOneOnOne](#), [YadaDifference](#), [YadaGlsStats](#), and [YadaRunner](#).

Definition at line 732 of file YadaRunnableDocument.tcl.

#### 8.34.3.7 YadaRunnableDocument::\_deleteData () [protected]

\_deleteData

Definition at line 1717 of file YadaRunnableDocument.tcl.

#### 8.34.3.8 YadaRunnableDocument::\_escapeCommand () [private]

\_escapeCommand

Definition at line 641 of file YadaRunnableDocument.tcl.

#### 8.34.3.9 YadaRunnableDocument::\_getActiveWordgraphs () [protected]

\_getActiveWordgraphs

Definition at line 960 of file YadaRunnableDocument.tcl.

**8.34.3.10 YadaRunnableDocument::\_getDoneWork ()** [protected]

\_getDoneWork

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 819 of file YadaRunnableDocument.tcl.

**8.34.3.11 YadaRunnableDocument::\_getRowOfWordgraph (TclString *wordgraph*)**  
[protected]

\_getRowOfWordgraph

Definition at line 449 of file YadaRunnableDocument.tcl.

**8.34.3.12 YadaRunnableDocument::\_getSelectedExperiment ()** [protected]

\_getSelectedExperiment

Definition at line 784 of file YadaRunnableDocument.tcl.

**8.34.3.13 YadaRunnableDocument::\_getSelectedWork ()** [protected]

\_getSelectedWork

Definition at line 795 of file YadaRunnableDocument.tcl.

**8.34.3.14 YadaRunnableDocument::\_getUndoneWork ()** [protected]

\_getUndoneWork

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 835 of file YadaRunnableDocument.tcl.

**8.34.3.15 YadaRunnableDocument::\_getWordgraphs ()** [protected]

\_getWordgraphs: get all wordgraphs of a experiments grammar

handle the case that only the 'data model' of the document is being used

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 764 of file YadaRunnableDocument.tcl.

**8.34.3.16 YadaRunnableDocument::\_getXMLFileName (TclString *wordgraph*)** [protected]

Returns wordgraph file name for selected experiment.

Definition at line 1845 of file YadaRunnableDocument.tcl.

Referenced by \_resetDataOf().

**8.34.3.17 YadaRunnableDocument::\_insertData** (TclString *wordgraph*, TclList *args*)  
[protected]

\_insertData

Definition at line 977 of file YadaRunnableDocument.tcl.

**8.34.3.18 YadaRunnableDocument::\_jobConsumer** ([YadaJob](#) *job*) [protected]

\_jobConsumer

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1378 of file YadaRunnableDocument.tcl.

**8.34.3.19 YadaRunnableDocument::\_leaveTableCommand** () [private]

\_leaveTableCommand

Definition at line 656 of file YadaRunnableDocument.tcl.

**8.34.3.20 YadaRunnableDocument::\_registerJob** ([YadaJob](#) *job*) [protected]

\_registerJob

Definition at line 1430 of file YadaRunnableDocument.tcl.

**8.34.3.21 YadaRunnableDocument::\_resetDataOf** (TclList *wordgraphs*) [protected]

\_resetDataOf

Reimplemented in [YadaOneOnOne](#), [YadaDifference](#), [YadaGlsStats](#), and [YadaRunner](#).

Definition at line 1835 of file YadaRunnableDocument.tcl.

References [\\_getXMLFileName\(\)](#).

**8.34.3.22 YadaRunnableDocument::\_returnCommand** () [private]

\_returnCommand

Definition at line 670 of file YadaRunnableDocument.tcl.

**8.34.3.23 YadaRunnableDocument::\_runButtonAction** () [private]

\_runButtonAction

Definition at line 464 of file YadaRunnableDocument.tcl.

**8.34.3.24 YadaRunnableDocument::\_showContextMenu** (TclNumber *x*, TclNumber *y*,  
TclNumber *xroot*, TclNumber *yroot*) [protected]

\_showContextMenu

Definition at line 1538 of file YadaRunnableDocument.tcl.

**8.34.3.25 YadaRunnableDocument::\_traceProcess ()** [protected]

\_traceProcess

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1655 of file YadaRunnableDocument.tcl.

**8.34.3.26 YadaRunnableDocument::\_unregisterJob ([YadaJob](#) *job*)** [protected]

\_unregisterJob

Definition at line 1438 of file YadaRunnableDocument.tcl.

**8.34.3.27 YadaRunnableDocument::\_viewLogfile (TclList *experiments* = "")** [protected]

display logfile of a experiment. This method reads the logfiles of one or more experiments given a selected wordgraph in \_selectedContextWordgraph.

**Parameters:**

*experiments* the optional list of experiments that we want to display. if the list is empty the we fetch the currently selected experiments via [\\_getSelectedExperiment\(\)](#).

Definition at line 1554 of file YadaRunnableDocument.tcl.

**8.34.3.28 YadaRunnableDocument::\_viewXmlfile (TclList *experiments* = "")** [protected]

\_viewXmlfile

Definition at line 1597 of file YadaRunnableDocument.tcl.

**8.34.3.29 YadaDocument::activationHandle ()** [virtual, inherited]

activationHandle

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaOneOnOne](#), [YadaConfig](#), [YadaDifference](#), [YadaGlsStats](#), [YadaRanking](#), and [Yada-Runner](#).

Definition at line 280 of file YadaDocument.tcl.

**8.34.3.30 YadaDocument::askNewLoad ()** [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

**8.34.3.31 YadaRunnableDocument::askRunall ()**

askRunall

Definition at line 1456 of file YadaRunnableDocument.tcl.

**8.34.3.32 YadaDocument::backward ()** [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References YadaDocument::forward().

**8.34.3.33 YadaRunnableDocument::breakJob ()**

breakJob

Definition at line 493 of file YadaRunnableDocument.tcl.

References printMessage().

**8.34.3.34 YadaRunnableDocument::clear ()**

clear

Reimplemented in [YadaOneOnOne](#), [YadaDifference](#), [YadaGlsStats](#), and [YadaRunner](#).

Definition at line 581 of file YadaRunnableDocument.tcl.

**8.34.3.35 YadaPlainDocument::deActivationHandle ()** [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References YadaPlainDocument::init().

Referenced by YadaPlainDocument::activationHandle().

**8.34.3.36 YadaPlainDocument::displayTitle ()** [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

**8.34.3.37 YadaDocument::forward ()** [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References YadaDocument::prevDocument.

Referenced by YadaDocument::backward().

**8.34.3.38 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.34.3.39 YadaRunnableDocument::init ()** [virtual]

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 689 of file YadaRunnableDocument.tcl.

**8.34.3.40 YadaRunnableDocument::interruptJobs ()**

interruptJobs

Definition at line 519 of file YadaRunnableDocument.tcl.

**8.34.3.41 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.34.3.42 YadaRunnableDocument::killJob ()**

killJob

Definition at line 551 of file YadaRunnableDocument.tcl.

**8.34.3.43 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.34.3.44 YadaPlainDocument::load ()** [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

**8.34.3.45 YadaRunnableDocument::loadUpdatedWordgraphs (TclList *args*)** [protected]

loadUpdatedWordgraphs

Reimplemented from [YadaDocument](#).

Definition at line 903 of file YadaRunnableDocument.tcl.

**8.34.3.46 YadaRunnableDocument::markWordgraph (TclString *wordgraph*)**

markWordgraph

Definition at line 863 of file YadaRunnableDocument.tcl.

**8.34.3.47 YadaDocument::newDocument (TclString *className*, TclString *name*)** [static, inherited]

newDocument

Definition at line 319 of file YadaDocument.tcl.

**8.34.3.48 YadaRunnableDocument::print (TclString *message*)**

print

Definition at line 895 of file YadaRunnableDocument.tcl.

**8.34.3.49 YadaRunnableDocument::reload ()**

reload

Reimplemented in [YadaRunner](#).

Definition at line 567 of file YadaRunnableDocument.tcl.

**8.34.3.50 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::hasSavedState\(\)](#).

Referenced by [YadaPlainDocument::setModified\(\)](#).

**8.34.3.51 YadaRunnableDocument::resortRows ()**

resortRows

Definition at line 999 of file YadaRunnableDocument.tcl.

References [sortRows\(\)](#).

**8.34.3.52 YadaRunnableDocument::run** ([YadaExperiment](#) *experiment* = " ")

run

Definition at line 1206 of file YadaRunnableDocument.tcl.

**8.34.3.53 YadaRunnableDocument::runall** ()

runall

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1260 of file YadaRunnableDocument.tcl.

**8.34.3.54 YadaRunnableDocument::save** ()

Overridden method.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1858 of file YadaRunnableDocument.tcl.

**8.34.3.55 YadaRunnableDocument::selectExperiment** (TclString *experimentName* = " ")

selectExperiment

Set initial modification time to react to concurrent file changes Definition at line 1502 of file YadaRunnableDocument.tcl.

**8.34.3.56 YadaPlainDocument::setModified** () [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

**8.34.3.57 YadaRunnableDocument::setToggle** (TclString *name*, TclRef *value* = " ")

setToggle

Reimplemented from [YadaDocument](#).

Definition at line 1770 of file YadaRunnableDocument.tcl.

**8.34.3.58 YadaRunnableDocument::sortRows** (TclNumber *colNo*, TclList *args*)

sortRows

Reimplemented in [YadaGlsStats](#).

Definition at line 1008 of file YadaRunnableDocument.tcl.

Referenced by resortRows().

**8.34.3.59 YadaRunnableDocument::step (TclString *wordgraph* = " ")**

step

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1149 of file YadaRunnableDocument.tcl.

**8.34.3.60 YadaRunnableDocument::termJob ()**

termJob

Definition at line 535 of file YadaRunnableDocument.tcl.

**8.34.3.61 YadaRunnableDocument::unbreakJob ()**

unbreakJob

Definition at line 633 of file YadaRunnableDocument.tcl.

**8.34.3.62 YadaRunnableDocument::unmarkWordgraph (TclString *wordgraph*)**

unmarkWordgraph

Definition at line 850 of file YadaRunnableDocument.tcl.

**8.34.3.63 YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

**8.34.4 Member Data Documentation****8.34.4.1 TclArray [YadaRunnableDocument::\\_analyseResult](#)** [protected]

results of [\\_analyseDocument\(\)](#). This variable is modified by [\\_analyseDocument\(\)](#) in a sideeffect. Outside this method we only read [\\_analyseResult](#). The filled values are:

- wordgraph: the name of the wordgraph in the DomDocument
- noValues: the number of levelvalues in a computed constraintnet
- score: the score of a found parse
- totalTime: the total amount of time needed to terminate the solution method
- solutionTime: the time to find the parse
- softTime: the time to find the first parse without any hard violations
- tries: the number of tried items in the solution parse
- structHits: the number of structural correct items in the solution parse
- labelledHits: the number of structural correct and correctly labelled items

- lexicalHits: the number of structural, labelled and lexically correct items
- strictHits: the number of identical dependency edges

Definition at line 52 of file YadaRunnableDocument.tcl.

#### 8.34.4.2 TclNumber [YadaRunnableDocument::\\_clearLogFlag](#) = 0 [private]

flag indicating whether we clear the log window on each new computation.

Definition at line 84 of file YadaRunnableDocument.tcl.

#### 8.34.4.3 TclNumber [YadaRunnableDocument::\\_consoleFlag](#) = 1 [private]

flag indicating whether we display the log window

Definition at line 90 of file YadaRunnableDocument.tcl.

#### 8.34.4.4 TclArray [YadaRunnableDocument::\\_currentJobs](#) [private]

hash of registered YadaJobs. This structure hashes a [YadaExperiment](#) to all YadaJobs that have been constructed for it and therefor holds all jobs scheduled by this document.

See also:

[\\_registerJob\(\)](#).

Definition at line 67 of file YadaRunnableDocument.tcl.

#### 8.34.4.5 TclArray [YadaRunnableDocument::\\_doneWordgraph](#) [protected]

hash mapping wordgraph ids to 0 or 1. This indicates whether a wordgraph has been computed or not.

Definition at line 60 of file YadaRunnableDocument.tcl.

#### 8.34.4.6 TclNumber [YadaRunnableDocument::\\_followDataFlag](#) = 1 [private]

flag indicating whether the display should focus on new data.

Definition at line 73 of file YadaRunnableDocument.tcl.

#### 8.34.4.7 TclNumber [YadaRunnableDocument::\\_gotBreak](#) = 0 [protected]

flag to indicate a received break signal

Definition at line 32 of file YadaRunnableDocument.tcl.

#### 8.34.4.8 TclNumber [YadaPlainDocument::\\_isInitialized](#) = 0 [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

**8.34.4.9** TclNumber **YadaRunnableDocument::\_isRunning** = 0 [protected]

flag to indicate that the document is currently busy

Definition at line 35 of file YadaRunnableDocument.tcl.

**8.34.4.10** TclNumber **YadaPlainDocument::\_lastModificationTime** = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.34.4.11** TclNumber **YadaRunnableDocument::\_lastSorting** = 0 [private]

current sorting state. This variable stores the column number allong which the table is sorted. Definition at line 77 of file YadaRunnableDocument.tcl.

**8.34.4.12** TclString **YadaRunnableDocument::\_orientFlag** = "horizontal" [private]

flag indicating the orientation of the splitted window. Possible values are horizontal and vertical Definition at line 94 of file YadaRunnableDocument.tcl.

**8.34.4.13** TclString **YadaRunnableDocument::\_progressProcess** = "" [private]

traced process. This variable stores the YadaProcess that we currently trace. Definition at line 81 of file YadaRunnableDocument.tcl.

**8.34.4.14** TclString **YadaRunnableDocument::\_selectedContextWordgraph** = "" [protected]

the wordgraph selected by a right mouse click on the table.

Definition at line 56 of file YadaRunnableDocument.tcl.

**8.34.4.15** TclNumber **YadaRunnableDocument::\_tableFlag** = 1 [private]

flag indicating whether we display the table

Definition at line 87 of file YadaRunnableDocument.tcl.

**8.34.4.16** TclNumber **YadaRunnableDocument::\_timer** = 0 [private]

profiler for job execution time.

Definition at line 70 of file YadaRunnableDocument.tcl.

**8.34.4.17** TclString **YadaPlainDocument::\_hasView** = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file

YadaPlainDocument.tcl.

**8.34.4.18** **TclString** [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.34.4.19** [YadaDocument::nextDocument](#) [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.34.4.20** [YadaDocument::prevDocument](#) [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

Referenced by YadaDocument::forward().

**8.34.4.21** **TclString** [YadaRunnableDocument::selectedExperiment](#) = ""

Needed for instantiations without view.

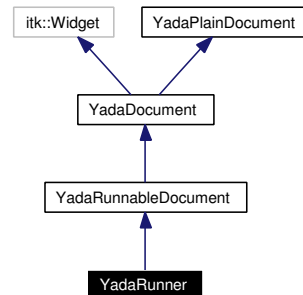
Definition at line 28 of file YadaRunnableDocument.tcl.

The documentation for this class was generated from the following file:

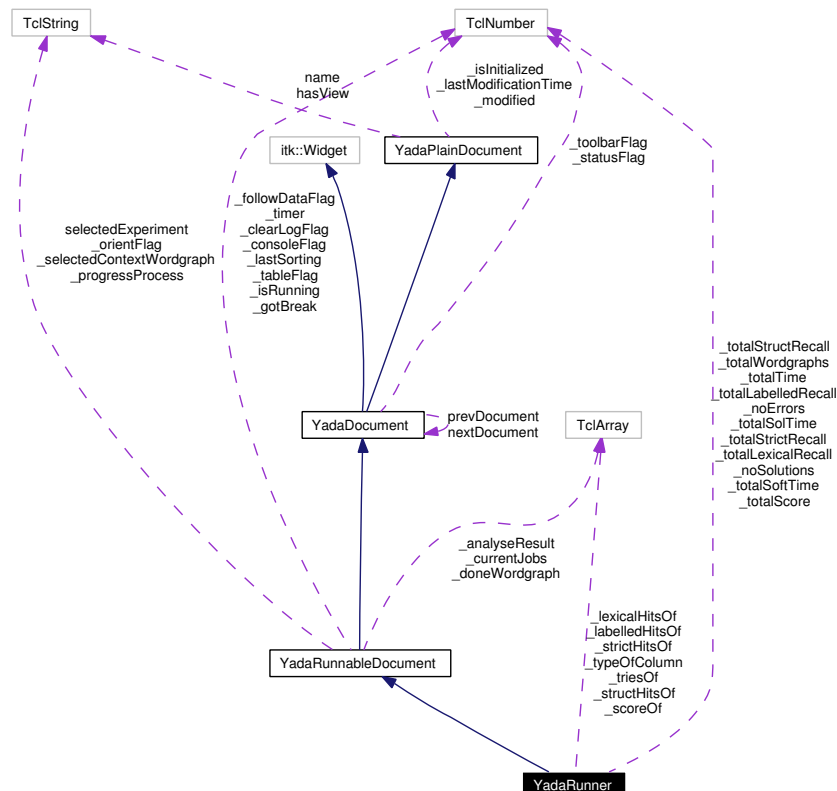
- YadaRunnableDocument.tcl

## 8.35 YadaRunner Class Reference

Inheritance diagram for YadaRunner:



Collaboration diagram for YadaRunner:



### 8.35.1 Detailed Description

**YadaRunner** - document to run **YadaJobs**. This document is the basic implementation of a **YadaRunnableDocument**. A more specific implementation of a **YadaRunnableDocument** is for example the **YadaGlsStats**. We implement here the basic functionality to select an schedule **YadaJobs** that run on **YadaMachines**.

**Author:**

Michael Daum

**Id**

[YadaRunner.tcl](#), v 1.27 2004/09/06 13:41:13 micha Exp

Definition at line 23 of file YadaRunner.tcl.

**Public Member Functions**

- [activationHandle](#) ()
- [askRunall](#) ()
- [backward](#) ()
- [breakJob](#) ()
- [clear](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- [fromDOM](#) (domNode rootNode)
- [getPersistanceFileName](#) ()
- [getTotalLabelRecall](#) ()
- [getTotalLexRecall](#) ()
- [getTotalScore](#) ()
- [getTotalSoftTime](#) ()
- [getTotalSolTime](#) ()
- [getTotalStructRecall](#) ()
- [getTotalTime](#) ()
- [hasSavedState](#) ()
- virtual [init](#) ()
- [interruptJobs](#) ()
- [isModified](#) ()
- [killJob](#) ()
- [lastChanged](#) ()
- [load](#) ()
- [markWordgraph](#) (TclString wordgraph)
- [print](#) (TclString message)
- [reload](#) ()
- [resetModified](#) ()
- [resortRows](#) ()
- [run](#) (YadaExperiment experiment="")
- [runall](#) ()
- [save](#) ()
- [selectExperiment](#) (TclString experimentName="")
- [setModified](#) ()
- [setToggle](#) (TclString name, TclRef value="")
- [sortRows](#) (TclNumber colNo, TclList args)
- [step](#) (TclString wordgraph="")
- [termJob](#) ()
- [toDOM](#) ()
- [unbreakJob](#) ()
- [unmarkWordgraph](#) (TclString wordgraph)
- [YadaRunner](#) (TclList args)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString name)

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)
- TclString [selectedExperiment](#) = ""

## Protected Member Functions

- [\\_analyseDocument](#) (DomDocument document, TclExperiment experiment)
- [\\_clearRow](#) ()
- [\\_computeSpeedup](#) (TclNumber time1, TclNumber time2)
- [\\_deleteData](#) ()
- [\\_getActiveWordgraphs](#) ()
- [\\_getDoneWork](#) ()
- [\\_getRowOfWordgraph](#) (TclString wordgraph)
- [\\_getSelectedExperiment](#) ()
- [\\_getSelectedWork](#) ()
- [\\_getUndoneWork](#) ()
- [\\_getWordgraphs](#) ()
- [\\_getXMLFileName](#) (TclString wordgraph)
- [\\_insertData](#) (TclString wordgraph, TclList args)
- [\\_jobConsumer](#) ([YadaJob](#) job)
- [\\_registerJob](#) ([YadaJob](#) job)
- [\\_showContextMenu](#) (TclNumber x, TclNumber y, TclNumber xroot, TclNumber yroot)
- [\\_traceProcess](#) ()
- [\\_unregisterJob](#) ([YadaJob](#) job)
- [\\_viewLogfile](#) (TclList experiments="")
- [\\_viewXmlfile](#) (TclList experiments="")
- [askNewLoad](#) ()
- [loadUpdatedWordgraphs](#) (TclList args)
- [updateModificationTime](#) ()

## Protected Attributes

- TclArray [\\_analyseResult](#)
- TclArray [\\_doneWordgraph](#)
- TclNumber [\\_gotBreak](#) = 0
- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_isRunning](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0
- TclString [\\_selectedContextWordgraph](#) = ""

## Private Member Functions

- [\\_analyseDocument](#) (DomDocument document, [YadaExperiment](#) experiment)
- [\\_computeStatistics](#) ()
- [\\_getLoadedWordgraphNames](#) ()
- [\\_getSavedWordgraphNames](#) (domNode rootNode)
- [\\_getTypeOfColumn](#) (TclNumber colNo)
- [\\_getUpdatedWordgraphNames](#) ()
- [\\_isModified](#) (domNode rootNode)
- [\\_judgeRow](#) (TclNumber row)
- [\\_resetDataOf](#) (TclList wordgraphs)
- [\\_showStatistics](#) ()
- [\\_toHtml](#) ()

## Private Attributes

- TclArray **\_labelledHitsOf**
- TclArray **\_lexicalHitsOf**
- TclNumber **\_noErrors** = 0
- TclNumber **\_noSolutions** = 0
- TclArray **\_scoreOf**
- TclArray **\_strictHitsOf**
- TclArray **\_structHitsOf**
- TclNumber **\_totalLabelledRecall** = 0
- TclNumber **\_totalLexicalRecall** = 0
- TclNumber **\_totalScore** = 0
- TclNumber **\_totalSoftTime** = 0
- TclNumber **\_totalSolTime** = 0
- TclNumber **\_totalStrictRecall** = 0
- TclNumber **\_totalStructRecall** = 0
- TclNumber **\_totalTime** = 0
- TclNumber **\_totalWordgraphs** = 0
- TclArray **\_triesOf**
- TclArray **\_typeOfColumn**

## 8.35.2 Constructor & Destructor Documentation

### 8.35.2.1 YadaRunner::YadaRunner (TclList args)

constructor

Definition at line 91 of file YadaRunner.tcl.

## 8.35.3 Member Function Documentation

### 8.35.3.1 YadaRunnableDocument::\_analyseDocument (DomDocument *document*, TclExperiment *experiment*) [protected, inherited]

analyse a given DomDocument produced with the help of a [YadaExperiment](#). This method extracts all the information that we normally are interested in in runnable documents. Classes (like [YadaGlsStats](#)) overload

this function and extract extra information not analysed here. So as a sideeffect the resulting data is stored into the protected variable `_analyseResult` as documented above. In some cases where the `DomDocument` is illformed we still try to extract as many information as possible. In case of any error you will notice that by a return code of 0. Error messages are give by `print()`. The *experiment* is consulted especialy when no evaluation data is contained in the *document* in order to get the number of tries in the statistics correctly an which is only provided by the used CDG grammar, especialy the contained annotation of the lattice.

**Parameters:**

*document* the `DomDocument` resulting from a dom parse

*experiment* the experiment with which we produced this document

Definition at line 1051 of file `YadaRunnableDocument.tcl`.

**8.35.3.2 YadaRunner::\_analyseDocument (DomDocument document, YadaExperiment experiment) [private]**

`_analyseDocument`

Definition at line 383 of file `YadaRunner.tcl`.

**8.35.3.3 YadaRunnableDocument::\_clearRow () [protected, inherited]**

`_clearRow`

Definition at line 1641 of file `YadaRunnableDocument.tcl`.

**8.35.3.4 YadaRunnableDocument::\_computeSpeedup (TclNumber time1, TclNumber time2) [protected, inherited]**

`_computeSpeedup`

Definition at line 718 of file `YadaRunnableDocument.tcl`.

**8.35.3.5 YadaRunner::\_computeStatistics () [private]**

`_computeStatistics`

Reimplemented from [YadaRunnableDocument](#).

Definition at line 427 of file `YadaRunner.tcl`.

**8.35.3.6 YadaRunnableDocument::\_deleteData () [protected, inherited]**

`_deleteData`

Definition at line 1717 of file `YadaRunnableDocument.tcl`.

**8.35.3.7 YadaRunnableDocument::\_getActiveWordgraphs () [protected, inherited]**

`_getActiveWordgraphs`

Definition at line 960 of file `YadaRunnableDocument.tcl`.

**8.35.3.8 YadaRunnableDocument::\_getDoneWork ()** [protected, inherited]

`_getDoneWork`

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 819 of file `YadaRunnableDocument.tcl`.

**8.35.3.9 YadaRunner::\_getLoadedWordgraphNames ()** [private]

Gets all loaded wordgraphs (i.e. the wordgraphs that appear in the document's table)

**Returns:**

list of currently loaded wordgraphs

Definition at line 1072 of file `YadaRunner.tcl`.

**8.35.3.10 YadaRunnableDocument::\_getRowOfWordgraph (TclString wordgraph)**  
[protected, inherited]

`_getRowOfWordgraph`

Definition at line 449 of file `YadaRunnableDocument.tcl`.

**8.35.3.11 YadaRunner::\_getSavedWordgraphNames (domNode rootNode)** [private]

Returns list of wordgraph names saved in the runner document xml file

**Parameters:**

*rootNode* root domNode of document's xml file

Definition at line 1030 of file `YadaRunner.tcl`.

**8.35.3.12 YadaRunnableDocument::\_getSelectedExperiment ()** [protected, inherited]

`_getSelectedExperiment`

Definition at line 784 of file `YadaRunnableDocument.tcl`.

**8.35.3.13 YadaRunnableDocument::\_getSelectedWork ()** [protected, inherited]

`_getSelectedWork`

Definition at line 795 of file `YadaRunnableDocument.tcl`.

**8.35.3.14 YadaRunner::\_getTypeOfColumn (TclNumber colNo)** [private]

`_getTypeOfColumn`

Reimplemented from [YadaRunnableDocument](#).

Definition at line 555 of file `YadaRunner.tcl`.

**8.35.3.15 YadaRunnableDocument::\_getUndoneWork ()** [protected, inherited]

\_getUndoneWork

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 835 of file YadaRunnableDocument.tcl.

**8.35.3.16 YadaRunner::\_getUpdatedWordgraphNames ()** [private]

Returns a list of selected wordgraphs that are not in the xml document in their most recent state and have to be loaded from wordgraph xml file; a wordgraph is in the list, if there exists some corresponding wordgraph xml file and it is newer than the document xml file

for invisible runner objects, selected experiment has to be set by configure command Definition at line 988 of file YadaRunner.tcl.

**8.35.3.17 YadaRunnableDocument::\_getWordgraphs ()** [protected, inherited]

\_getWordgraphs: get all wordgraphs of a experiments grammar

handle the case that only the 'data model' of the document is being used

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 764 of file YadaRunnableDocument.tcl.

**8.35.3.18 YadaRunnableDocument::\_getXMLFileName (TclString *wordgraph*)** [protected, inherited]

Returns wordgraph file name for selected experiment.

Definition at line 1845 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::\_resetDataOf().

**8.35.3.19 YadaRunnableDocument::\_insertData (TclString *wordgraph*, TclList *args*)** [protected, inherited]

\_insertData

Definition at line 977 of file YadaRunnableDocument.tcl.

**8.35.3.20 YadaRunner::\_isModified (domNode *rootNode*)** [private]

Returns true, if document file is not synchronized with actual document, false otherwise

**Parameters:**

*rootNode* root domNode of document's xml file

Definition at line 1049 of file YadaRunner.tcl.

**8.35.3.21 YadaRunnableDocument::\_jobConsumer** ([YadaJob](#) *job*) [protected, inherited]

\_jobConsumer

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1378 of file YadaRunnableDocument.tcl.

**8.35.3.22 YadaRunner::\_judgeRow** (TclNumber *row*) [private]

\_judgeRow

Definition at line 538 of file YadaRunner.tcl.

**8.35.3.23 YadaRunnableDocument::\_registerJob** ([YadaJob](#) *job*) [protected, inherited]

\_registerJob

Definition at line 1430 of file YadaRunnableDocument.tcl.

**8.35.3.24 YadaRunner::\_resetDataOf** (TclList *wordgraphs*) [private]

\_resetDataOf

Reimplemented from [YadaRunnableDocument](#).

Definition at line 562 of file YadaRunner.tcl.

**8.35.3.25 YadaRunnableDocument::\_showContextMenu** (TclNumber *x*, TclNumber *y*, TclNumber *xroot*, TclNumber *yroot*) [protected, inherited]

\_showContextMenu

Definition at line 1538 of file YadaRunnableDocument.tcl.

**8.35.3.26 YadaRunner::\_showStatistics** () [private]

\_showStatistics

Definition at line 497 of file YadaRunner.tcl.

**8.35.3.27 YadaRunner::\_toHtml** () [private]

toHtml

Definition at line 837 of file YadaRunner.tcl.

**8.35.3.28 YadaRunnableDocument::\_traceProcess** () [protected, inherited]

\_traceProcess

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1655 of file YadaRunnableDocument.tcl.

**8.35.3.29 YadaRunnableDocument::\_unregisterJob ([YadaJob job](#))** [protected, inherited]

\_unregisterJob

Definition at line 1438 of file YadaRunnableDocument.tcl.

**8.35.3.30 YadaRunnableDocument::\_viewLogfile (TclList *experiments* = "")** [protected, inherited]

display logfile of a experiment. This method reads the logfiles of one or more experiments given a selected wordgraph in \_selectedContextWordgraph.

**Parameters:**

*experiments* the optional list of experiments that we want to display. if the list is empty the we fetch the currently selected experiments via [\\_getSelectedExperiment\(\)](#).

Definition at line 1554 of file YadaRunnableDocument.tcl.

**8.35.3.31 YadaRunnableDocument::\_viewXmlfile (TclList *experiments* = "")** [protected, inherited]

\_viewXmlfile

Definition at line 1597 of file YadaRunnableDocument.tcl.

**8.35.3.32 YadaRunner::activationHandle ()** [virtual]

activationHandle

Reimplemented from [YadaDocument](#).

Definition at line 306 of file YadaRunner.tcl.

**8.35.3.33 YadaDocument::askNewLoad ()** [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

**8.35.3.34 YadaRunnableDocument::askRunall ()** [inherited]

askRunall

Definition at line 1456 of file YadaRunnableDocument.tcl.

**8.35.3.35 YadaDocument::backward ()** [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

**8.35.3.36 YadaRunnableDocument::breakJob ()** [inherited]

breakJob

Definition at line 493 of file YadaRunnableDocument.tcl.

References `printMessage()`.

**8.35.3.37 YadaRunner::clear ()**

clear

Reimplemented from [YadaRunnableDocument](#).

Definition at line 342 of file YadaRunner.tcl.

**8.35.3.38 YadaPlainDocument::deActivationHandle ()** [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References `YadaPlainDocument::init()`.

Referenced by `YadaPlainDocument::activationHandle()`.

**8.35.3.39 YadaRunner::displayTitle ()**

Update toolbar, menubar and titlebar.

Do not display, if runner document invisible

Reimplemented from [YadaPlainDocument](#).

Definition at line 942 of file YadaRunner.tcl.

**8.35.3.40 YadaDocument::forward ()** [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References `YadaDocument::prevDocument`.

Referenced by `YadaDocument::backward()`.

**8.35.3.41 YadaRunner::fromDOM (domNode *rootNode*)**

Initialize Object with DOM node (that has saved the object state)

**Parameters:**

*rootNode* root DOM-Node (Tag <yada>)

handles case, when no XML file is available

list of wordgraph names that must not be loaded from xml document file

if there is no selection, all wordgraphs are active

if wordgraph is marked and not in the document file, try to load it from separate wordgraph file

list of marked wordgraphs, that are not saved in the DOM node ;

determine wordgraphs that can be loaded from a file

list of wordgraphs, that are not in the DOM node, but there exists some alternative wordgraph XML file to load from;

try to load active wordgraphs from <wordgraph-id>.xml.gz<p>

only load wordgraphs from the document file, if there is no updated wordgraph xml file and if it is also active

Do not load from document file if it is not active

load updated wordgraph xml files instead of corresponding document file's entries

if only a subset of wordgraphs has been loaded from the document file, you need to recompute statistics

use saved statistics from document

Reimplemented from [YadaPlainDocument](#).

Definition at line 658 of file YadaRunner.tcl.

#### 8.35.3.42 YadaRunner::getPersistenceFileName ()

Gets unique file name from [YadaMain](#) application object to save object state.

may fail, if gui is not fully initialized

Reimplemented from [YadaPlainDocument](#).

Definition at line 929 of file YadaRunner.tcl.

#### 8.35.3.43 YadaRunner::getTotalLabelRecall ()

Returns value of private attribute.

Definition at line 1132 of file YadaRunner.tcl.

#### 8.35.3.44 YadaRunner::getTotalLexRecall ()

Returns value of private attribute.

Definition at line 1140 of file YadaRunner.tcl.

#### 8.35.3.45 YadaRunner::getTotalScore ()

Returns value of private attribute.

Definition at line 1147 of file YadaRunner.tcl.

#### 8.35.3.46 YadaRunner::getTotalSoftTime ()

Returns value of private attribute.

Definition at line 1117 of file YadaRunner.tcl.

#### **8.35.3.47 YadaRunner::getTotalSolTime ()**

Returns value of private attribute.

Definition at line 1110 of file YadaRunner.tcl.

#### **8.35.3.48 YadaRunner::getTotalStructRecall ()**

Returns value of private attribute.

Definition at line 1124 of file YadaRunner.tcl.

#### **8.35.3.49 YadaRunner::getTotalTime ()**

accessor methods

Definition at line 1103 of file YadaRunner.tcl.

#### **8.35.3.50 YadaPlainDocument::hasSavedState () [inherited]**

Predicate returning 1, if file containing persistant state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

#### **8.35.3.51 YadaRunnableDocument::init () [virtual, inherited]**

init

Reimplemented from [YadaPlainDocument](#).

Definition at line 689 of file YadaRunnableDocument.tcl.

#### **8.35.3.52 YadaRunnableDocument::interruptJobs () [inherited]**

interruptJobs

Definition at line 519 of file YadaRunnableDocument.tcl.

#### **8.35.3.53 YadaPlainDocument::isModified () [inherited]**

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

#### **8.35.3.54 YadaRunnableDocument::killJob () [inherited]**

killJob

Definition at line 551 of file YadaRunnableDocument.tcl.

**8.35.3.55 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.35.3.56 YadaRunner::load ()**

Overridden to handle missing file to load from.

save change date of document file, may be overridden in method fromDOM, if it loads more recent data from other files

Modified state may be changed by overridden fromDOM methods

Reimplemented from [YadaPlainDocument](#).

Definition at line 1154 of file YadaRunner.tcl.

References `setBusy()`.

**8.35.3.57 YadaRunnableDocument::loadUpdatedWordgraphs (TclList *args*)** [protected, inherited]

`loadUpdatedWordgraphs`

Reimplemented from [YadaDocument](#).

Definition at line 903 of file YadaRunnableDocument.tcl.

**8.35.3.58 YadaRunnableDocument::markWordgraph (TclString *wordgraph*)** [inherited]

`markWordgraph`

Definition at line 863 of file YadaRunnableDocument.tcl.

**8.35.3.59 YadaDocument::newDocument (TclString *className*, TclString *name*)** [static, inherited]

`newDocument`

Definition at line 319 of file YadaDocument.tcl.

**8.35.3.60 YadaRunnableDocument::print (TclString *message*)** [inherited]

`print`

Definition at line 895 of file YadaRunnableDocument.tcl.

**8.35.3.61 YadaRunner::reload ()**

Override base class implementation.

Reimplemented from [YadaRunnableDocument](#).

Definition at line 1096 of file YadaRunner.tcl.

**8.35.3.62 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References YadaPlainDocument::hasSavedState().

Referenced by YadaPlainDocument::setModified().

**8.35.3.63 YadaRunnableDocument::resortRows ()** [inherited]

resortRows

Definition at line 999 of file YadaRunnableDocument.tcl.

References YadaRunnableDocument::sortRows().

**8.35.3.64 YadaRunnableDocument::run (YadaExperiment *experiment* = "")** [inherited]

run

Definition at line 1206 of file YadaRunnableDocument.tcl.

**8.35.3.65 YadaRunnableDocument::runall ()** [inherited]

runall

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1260 of file YadaRunnableDocument.tcl.

**8.35.3.66 YadaRunnableDocument::save ()** [inherited]

Overridden method.

Reimplemented from [YadaPlainDocument](#).

Definition at line 1858 of file YadaRunnableDocument.tcl.

**8.35.3.67 YadaRunnableDocument::selectExperiment (TclString *experimentName* = "")**  
[inherited]

selectExperiment

Set initial modification time to react to concurrent file changes Definition at line 1502 of file YadaRunnableDocument.tcl.

**8.35.3.68 YadaPlainDocument::setModified ()** [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References YadaPlainDocument::resetModified().

Referenced by YadaPlainDocument::isModified().

**8.35.3.69 YadaRunnableDocument::setToggle (TclString *name*, TclRef *value* = " ")**  
[inherited]

setToggle

Reimplemented from [YadaDocument](#).

Definition at line 1770 of file YadaRunnableDocument.tcl.

**8.35.3.70 YadaRunnableDocument::sortRows (TclNumber *colNo*, TclList *args*)** [inherited]

sortRows

Reimplemented in [YadaGlsStats](#).

Definition at line 1008 of file YadaRunnableDocument.tcl.

Referenced by YadaRunnableDocument::resortRows().

**8.35.3.71 YadaRunnableDocument::step (TclString *wordgraph* = " ")** [inherited]

step

Reimplemented in [YadaOneOnOne](#), and [YadaDifference](#).

Definition at line 1149 of file YadaRunnableDocument.tcl.

**8.35.3.72 YadaRunnableDocument::termJob ()** [inherited]

termJob

Definition at line 535 of file YadaRunnableDocument.tcl.

**8.35.3.73 YadaRunner::toDOM ()**

Serializes Object into a DOM-XML-Node

**Returns:**

root DOM node representing the Grammar-Object (root tag <yada>)

Reimplemented from [YadaPlainDocument](#).

Definition at line 578 of file YadaRunner.tcl.

**8.35.3.74 YadaRunnableDocument::unbreakJob ()** [inherited]

unbreakJob

Definition at line 633 of file YadaRunnableDocument.tcl.

**8.35.3.75 YadaRunnableDocument::unmarkWordgraph (TclString *wordgraph*)** [inherited]

unmarkWordgraph

Definition at line 850 of file YadaRunnableDocument.tcl.

### 8.35.3.76 **YadaPlainDocument::updateModificationTime ()** [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

## 8.35.4 Member Data Documentation

### 8.35.4.1 **TclArray YadaRunnableDocument::\_analyseResult** [protected, inherited]

results of `_analyseDocument()`. This variable is modified by `_analyseDocument()` in a sideeffect. Outside this method we only read `_analyseResult`. The filled values are:

- wordgraph: the name of the wordgraph in the DomDocument
- noValues: the number of levelvalues in a computed constraintnet
- score: the score of a found parse
- totalTime: the total amount of time needed to terminate the solution method
- solutionTime: the time to find the parse
- softTime: the time to find the first parse without any hard violations
- tries: the number of tried items in the solution parse
- structHits: the number of structural correct items in the solution parse
- labelledHits: the number of structural correct and correctly labelled items
- lexicalHits: the number of structural, labelled and lexically correct items
- strictHits: the number of identical dependency edges

Definition at line 52 of file YadaRunnableDocument.tcl.

### 8.35.4.2 **TclArray YadaRunnableDocument::\_doneWordgraph** [protected, inherited]

hash mapping wordgraph ids to 0 or 1. This indicates whether a wordgraph has been computed or not. Definition at line 60 of file YadaRunnableDocument.tcl.

### 8.35.4.3 **TclNumber YadaRunnableDocument::\_gotBreak = 0** [protected, inherited]

flag to indicate a received break signal

Definition at line 32 of file YadaRunnableDocument.tcl.

### 8.35.4.4 **TclNumber YadaPlainDocument::\_isInitialized = 0** [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. `init()` sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. `YadaConfigDocument::init()` or `YadaRunnableDocument::init()`. Definition at line 36 of file YadaPlainDocument.tcl.

**8.35.4.5** TclNumber [YadaRunnableDocument::\\_isRunning](#) = 0 [protected, inherited]

flag to indicate that the document is currently busy

Definition at line 35 of file YadaRunnableDocument.tcl.

**8.35.4.6** TclNumber [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.35.4.7** TclString [YadaRunnableDocument::\\_selectedContextWordgraph](#) = "" [protected, inherited]

the wordgraph selected by a right mouse click on the table.

Definition at line 56 of file YadaRunnableDocument.tcl.

**8.35.4.8** TclString [YadaPlainDocument::hasView](#) = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.35.4.9** TclString [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.35.4.10** [YadaDocument::nextDocument](#) [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.35.4.11** [YadaDocument::prevDocument](#) [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

Referenced by [YadaDocument::forward\(\)](#).

**8.35.4.12** TclString [YadaRunnableDocument::selectedExperiment](#) = "" [inherited]

Needed for instantiations without view.

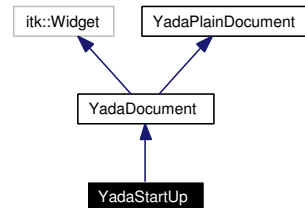
Definition at line 28 of file YadaRunnableDocument.tcl.

The documentation for this class was generated from the following file:

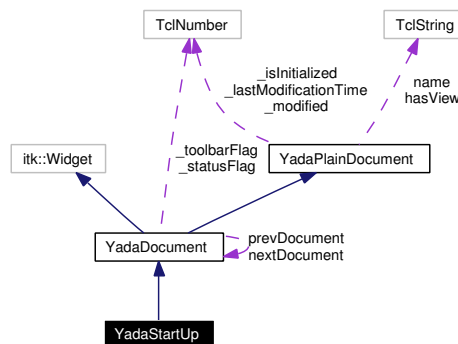
- `YadaRunner.tcl`

## 8.36 YadaStartUp Class Reference

Inheritance diagram for YadaStartUp:



Collaboration diagram for YadaStartUp:



### 8.36.1 Detailed Description

YadaStartUp - the YADA splash screen.

**Author:**

Michael Daum

**Id**

[YadaStartUp.tcl](#),v 1.10 2004/02/25 14:42:08 micha Exp

Definition at line 19 of file YadaStartUp.tcl.

### Public Member Functions

- virtual [activationHandle](#) ()
- [backward](#) ()
- virtual [deActivationHandle](#) ()
- [displayTitle](#) ()
- [forward](#) ()
- **fromDOM** (domNode node)
- **getPersistanceFileName** ()
- [hasSavedState](#) ()
- virtual [init](#) ()

- [isModified \(\)](#)
- [lastChanged \(\)](#)
- [load \(\)](#)
- [loadUpdatedWordgraphs](#) (TclList args)
- [resetModified \(\)](#)
- [save \(\)](#)
- [setModified \(\)](#)
- [setToggle](#) (TclString [name](#), TclRef value="")
- [toDOM \(\)](#)

## Static Public Member Functions

- [newDocument](#) (TclString className, TclString [name](#))

## Public Attributes

- TclString [hasView](#) = "true"
- TclString [name](#) = ""
- [YadaDocument](#) [nextDocument](#)
- [YadaDocument](#) [prevDocument](#)

## Protected Member Functions

- [askNewLoad \(\)](#)
- [updateModificationTime \(\)](#)

## Protected Attributes

- TclNumber [\\_isInitialized](#) = 0
- TclNumber [\\_lastModificationTime](#) = 0
- TclNumber [\\_modified](#) = 0

## Private Member Functions

- [YadaStartUp](#) (TclList args)

## 8.36.2 Constructor & Destructor Documentation

### 8.36.2.1 [YadaStartUp::YadaStartUp](#) (TclList *args*) [private]

constructor

Definition at line 27 of file [YadaStartUp.tcl](#).

### 8.36.3 Member Function Documentation

#### 8.36.3.1 YadaDocument::activationHandle () [virtual, inherited]

activationHandle

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaOneOnOne](#), [YadaConfig](#), [YadaDifference](#), [YadaGlsStats](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 280 of file YadaDocument.tcl.

#### 8.36.3.2 YadaDocument::askNewLoad () [protected, inherited]

Pops up a yes/no message dialog and returns the result (i.e. which button has been pressed) Definition at line 330 of file YadaDocument.tcl.

#### 8.36.3.3 YadaDocument::backward () [inherited]

backward

Definition at line 236 of file YadaDocument.tcl.

References [YadaDocument::forward\(\)](#).

#### 8.36.3.4 YadaPlainDocument::deActivationHandle () [virtual, inherited]

deActivationHandle

Reimplemented in [YadaConfig](#).

Definition at line 91 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::init\(\)](#).

Referenced by [YadaPlainDocument::activationHandle\(\)](#).

#### 8.36.3.5 YadaPlainDocument::displayTitle () [inherited]

Displays title in main window (reflecting modification state of document).

Reimplemented in [YadaConfigDocument](#), [YadaGenerals](#), [YadaRanking](#), and [YadaRunner](#).

Definition at line 207 of file YadaPlainDocument.tcl.

#### 8.36.3.6 YadaDocument::forward () [inherited]

forward

Definition at line 243 of file YadaDocument.tcl.

References [YadaDocument::prevDocument](#).

Referenced by [YadaDocument::backward\(\)](#).

**8.36.3.7 YadaPlainDocument::hasSavedState ()** [inherited]

Predicate returning 1, if file containing persistent state of [YadaGrammar](#) exists, otherwise 0 Definition at line 192 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::resetModified().

**8.36.3.8 YadaPlainDocument::init ()** [virtual, inherited]

init

Reimplemented in [YadaMethods](#), [YadaConfig](#), [YadaConfigDocument](#), [YadaExperiments](#), [YadaGenerals](#), [YadaGrammars](#), [YadaMachines](#), [YadaRanking](#), and [YadaRunnableDocument](#).

Definition at line 97 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::deActivationHandle().

**8.36.3.9 YadaPlainDocument::isModified ()** [inherited]

Predicate returning 1, if configuration data has changed, 0 otherwise.

Definition at line 168 of file YadaPlainDocument.tcl.

References YadaPlainDocument::setModified().

**8.36.3.10 YadaPlainDocument::lastChanged ()** [inherited]

Returns time of last update to document XML file or an empty string, if there is no such file Definition at line 219 of file YadaPlainDocument.tcl.

**8.36.3.11 YadaPlainDocument::load ()** [inherited]

Loads current document from file (file name depends on document name).

reset in case there is some value left from last load operation;

Modified state may be changed by overridden fromDOM methods

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunner](#).

Definition at line 113 of file YadaPlainDocument.tcl.

Referenced by YadaPlainDocument::setToggle().

**8.36.3.12 YadaDocument::newDocument (TclString className, TclString name)** [static, inherited]

newDocument

Definition at line 319 of file YadaDocument.tcl.

**8.36.3.13 YadaPlainDocument::resetModified ()** [inherited]

Removes modification mark.

Definition at line 183 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::hasSavedState\(\)](#).

Referenced by [YadaPlainDocument::setModified\(\)](#).

#### 8.36.3.14 [YadaPlainDocument::save \(\)](#) [inherited]

Saves current document to file (file name depends on document name).

Reimplemented in [YadaConfig](#), [YadaExperiments](#), [YadaGrammars](#), [YadaMachines](#), and [YadaRunnableDocument](#).

Definition at line 140 of file YadaPlainDocument.tcl.

#### 8.36.3.15 [YadaPlainDocument::setModified \(\)](#) [inherited]

Marks item as modified.

Definition at line 175 of file YadaPlainDocument.tcl.

References [YadaPlainDocument::resetModified\(\)](#).

Referenced by [YadaPlainDocument::isModified\(\)](#).

#### 8.36.3.16 [YadaDocument::setToggle \(TclString name, TclRef value = ""\)](#) [inherited]

toggle toolbar or status. This method switches the toolbar or the status bar on or off depending on its arguments.

##### Parameters:

*name* the element to be toggled: toolbar or status

*value* the value to which to switch to: 1 or 0

Reimplemented from [YadaPlainDocument](#).

Reimplemented in [YadaRunnableDocument](#).

Definition at line 300 of file YadaDocument.tcl.

#### 8.36.3.17 [YadaPlainDocument::updateModificationTime \(\)](#) [protected, inherited]

Synchronizes internal modification attribute with modification time of document's XML file Definition at line 234 of file YadaPlainDocument.tcl.

### 8.36.4 Member Data Documentation

#### 8.36.4.1 [TclNumber YadaPlainDocument::\\_isInitialized = 0](#) [protected, inherited]

flag indicating initialization. Possible values are 0 and 1. [init\(\)](#) sets this to 1 when it is called in the init chain calls of inheriting classes, i.e. [YadaConfigDocument::init\(\)](#) or [YadaRunnableDocument::init\(\)](#). Definition at line 36 of file YadaPlainDocument.tcl.

**8.36.4.2** **TclNumber** [YadaPlainDocument::\\_lastModificationTime](#) = 0 [protected, inherited]

Denotes time of most recent modification of document's XML file CAUSED by this object. This allows recognizing cases where a second object modifies the same file concurrently, in which case the need may arise to synchronize the object with the new file contents. Definition at line 44 of file YadaPlainDocument.tcl.

**8.36.4.3** **TclString** [YadaPlainDocument::hasView](#) = "true" [inherited]

flag indicating whether this object functions as combined model-view object (value "true"), or as a pure model object (value "false": has to be set explicitly when instantiating object) Definition at line 29 of file YadaPlainDocument.tcl.

**8.36.4.4** **TclString** [YadaPlainDocument::name](#) = "" [inherited]

name of the document

Definition at line 25 of file YadaPlainDocument.tcl.

**8.36.4.5** **YadaDocument::nextDocument** [inherited]

link to the next YadaDocument registered to [YadaMain](#)

Definition at line 265 of file YadaDocument.tcl.

**8.36.4.6** **YadaDocument::prevDocument** [inherited]

link to the previous YadaDocument registered to [YadaMain](#)

Definition at line 250 of file YadaDocument.tcl.

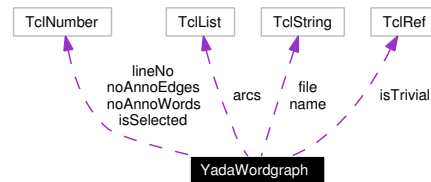
Referenced by YadaDocument::forward().

The documentation for this class was generated from the following file:

- YadaStartUp.tcl

## 8.37 YadaWordgraph Class Reference

Collaboration diagram for YadaWordgraph:



### 8.37.1 Detailed Description

YadaWordgraph - bundled information about a wordgraph. This class represents a wordgraph in a [YadaGrammar](#). Scanning a [YadaGrammar](#) (see [YadaGrammar::scan\(\)](#)) results in bunch of YadaWordgraph s being constructed.

#### Author:

Michael Daum

#### Id

[YadaWordgraph.tcl](#),v 1.10 2004/02/26 14:23:37 ddreyer Exp

Definition at line 21 of file YadaWordgraph.tcl.

### Public Member Functions

- [clone](#) (TclList args)
- [fromDOM](#) (domNode rootNode)
- [getWords](#) ()
- [readXmlAnno](#) (DomNode annoNode)
- [readXmlNode](#) (DomNode latticeNode)
- [toDOM](#) ()
- [writeXmlNode](#) (FileHandle [file](#))
- [YadaWordgraph](#) (TclList args)

### Public Attributes

- TclList [arcs](#) = { }
- TclString [file](#) = ""
- TclNumber [isSelected](#) = 0
- TclRef [isTrivial](#) = false
- TclNumber [lineNo](#) = 0
- TclString [name](#) = ""
- TclNumber [noAnnoEdges](#) = 0
- TclNumber [noAnnoWords](#) = 0

## 8.37.2 Constructor & Destructor Documentation

### 8.37.2.1 YadaWordgraph::YadaWordgraph (TclList *args*)

constructor

Definition at line 65 of file YadaWordgraph.tcl.

## 8.37.3 Member Function Documentation

### 8.37.3.1 YadaWordgraph::clone (TclList *args*)

clone

Definition at line 242 of file YadaWordgraph.tcl.

### 8.37.3.2 YadaWordgraph::fromDOM (domNode *rootNode*)

Initialize wordgraph with DOM node (that saves the object state)

#### Parameters:

*rootNode* root DOM-Node (Tag <yadawordgraph>)

Definition at line 110 of file YadaWordgraph.tcl.

### 8.37.3.3 YadaWordgraph::getWords ()

getWords

Definition at line 230 of file YadaWordgraph.tcl.

### 8.37.3.4 YadaWordgraph::readXmlAnno (DomNode *annoNode*)

readXmlAnno

Definition at line 164 of file YadaWordgraph.tcl.

### 8.37.3.5 YadaWordgraph::readXmlNode (DomNode *latticeNode*)

readXmlNode

Definition at line 176 of file YadaWordgraph.tcl.

### 8.37.3.6 YadaWordgraph::toDOM ()

Serializes Object into a DOM-XML-Node

#### Returns:

root DOM node representing the wordgraph

Definition at line 73 of file YadaWordgraph.tcl.

### 8.37.3.7 YadaWordgraph::writeXmlNode (FileHandle *file*)

writeXmlNode

Definition at line 216 of file YadaWordgraph.tcl.

## 8.37.4 Member Data Documentation

### 8.37.4.1 TclList YadaWordgraph::arcs = {}

list of word arcs making up the wordgraph

Definition at line 42 of file YadaWordgraph.tcl.

### 8.37.4.2 TclString YadaWordgraph::file = ""

filename which this wordgraph has been extracted from

Definition at line 30 of file YadaWordgraph.tcl.

### 8.37.4.3 TclNumber YadaWordgraph::isSelected = 0

flag indicating whether wordgraph has been selected

Definition at line 39 of file YadaWordgraph.tcl.

### 8.37.4.4 TclRef YadaWordgraph::isTrivial = false

flag indicating whether the wordgraph is trivial (linear) or not

Definition at line 36 of file YadaWordgraph.tcl.

### 8.37.4.5 TclNumber YadaWordgraph::lineNo = 0

linenumber in the file where this wordgraph has been defined

Definition at line 33 of file YadaWordgraph.tcl.

### 8.37.4.6 TclString YadaWordgraph::name = ""

name of the wordgraph

Definition at line 27 of file YadaWordgraph.tcl.

### 8.37.4.7 TclNumber YadaWordgraph::noAnnoEdges = 0

number of edges in the related annotation

Definition at line 45 of file YadaWordgraph.tcl.

**8.37.4.8 TclNumber [YadaWordgraph::noAnnoWords](#) = 0**

number of words in the related annotation

Definition at line 48 of file YadaWordgraph.tcl.

The documentation for this class was generated from the following file:

- YadaWordgraph.tcl

## Chapter 9

# YADA File Documentation

### 9.1 bugfixes.tcl File Reference

#### 9.1.1 Detailed Description

TclTk Enhancements. Fixes for some common errors in the TclTk, Itcl/Itk/Iwidgets toolkits. Til now the most important fix here is the `iwidgets::Shell::activate{ }` fix to get around the display delay of a shell dialog before it gets accessible. You might have noticed that before in other TclTk apps, that sometimes you get a white box dialog. Whatever this is the `activate()` method below overwrites the `Shell` method in a way that things work better now. I don't claim to understand what I actually do here ;)

**Author:**

Michael Daum

\$Id [bugfixes.tcl](#)\$

Definition in file [bugfixes.tcl](#).

## 9.2 itcl-hierarchy.tcl File Reference

### 9.2.1 Detailed Description

A small part of the itk/iwidgets class hierarchy. This has the nice effect of a more integrated class hierarchy graph in doxygen.

**Author:**

Michael Daum

**Id**

itcl-hierarchy.tcl,v 1.4 2004/02/25 14:06:46 micha Exp

Definition in file [itcl-hierarchy.tcl](#).

### Classes

- class **itk::Toplevel**
- class **itk::Widget**
- class **iwidgets::Dialog**
- class **iwidgets::Dialogshell**
- class **iwidgets::Labeledwidget**
- class **iwidgets::Messagedialog**
- class **iwidgets::Pushbutton**
- class **iwidgets::Scrolledcanvas**
- class **iwidgets::Scrolledtext**
- class **iwidgets::Scrolledwidget**
- class **iwidgets::Shell**

## 9.3 yada.tcl File Reference

### 9.3.1 Detailed Description

The yada startup script. From here on the shell environment is examined and the [YadaMain](#) object is created. Afterwards the application is initialized via [YadaMain::init\(\)](#).

Definition in file [yada.tcl](#).

#### Variables

- `source[file join $env(YADA_LIB) YadaOptions.tcl] wm withdraw scan maxy [wm maxsize.] d d maxx maxy TclRef = [expr $maxy - 50]`

## 9.4 YadaProc.tcl File Reference

### 9.4.1 Detailed Description

Bunch of small helper functions. This module collects all helpers that don't fit in a proper class for themselves. Actually for those cases the [YadaMain](#) might be taken, but ...

**Author:**

Michael Daum

\$Id [YadaProc.tcl](#)\$

Definition in file [YadaProc.tcl](#).

### Functions

- [getAllNotifications](#) (DomDocument document, TclString severity="")
- [getIndexOfName](#) (TclCommand listBox, TclString entry)
- [printMessage](#) (TclString message, TclString image="info")
- [resetBusy](#) (TclList listPrevSettings)
- [setBusy](#) ()
- [timeToString](#) (TclNumber time)

### 9.4.2 Function Documentation

#### 9.4.2.1 [getAllNotifications](#) (DomDocument *document*, TclString *severity* = " ")

extract notifications. This helper extracts all notifications in a cdgp DomDocument. That is, it searches for \<notify ...\> nodes and gets the *desc* attribute from it.

**Parameters:**

*document* the DomDocument that we are interested in

*severity* optionally specify the `type` attribute of the notification that we want to extract

**Returns:**

the TclList of all messages in all notifications

Definition at line 108 of file [YadaProc.tcl](#).

References [getAllNotifications\(\)](#).

Referenced by [getAllNotifications\(\)](#).

#### 9.4.2.2 [getIndexOfName](#) (TclCommand *listBox*, TclString *entry*)

get the index of an entry in a listbox.

**Parameters:**

*listBox* the tcl command of the list box

*entry* an entry in the *listBox*

**Returns:**

the index > 0 if the *entry* exists, -1 if not so

Definition at line 70 of file YadaProc.tcl.

References `getIndexOfName()`.

Referenced by `getIndexOfName()`.

**9.4.2.3 `printMessage (TclString message, TclString image = "info")`**

open a message dialog with a given text.

**Parameters:**

*message* the notification text

*image* an image name, see [YadaImages](#) for possible values

Definition at line 81 of file YadaProc.tcl.

References `printMessage()`.

Referenced by `YadaRunnableDocument::breakJob()`, and `printMessage()`.

**9.4.2.4 `resetBusy (TclList listPrevSettings)`**

Restores mouse cursor settings for widget hierarchy corresponding to saved settings in first argument (should be identical to return value of proc `setBusy`) Definition at line 170 of file YadaProc.tcl.

References `resetBusy()`.

Referenced by `resetBusy()`.

**9.4.2.5 `setBusy ()`**

Sets mouse cursor to indicate busy processing

**Returns:**

list of changed widgets and previous cursor settings ({<widget> <cursor> ....})

Definition at line 135 of file YadaProc.tcl.

References `setBusy()`.

Referenced by `YadaRunner::load()`, and `setBusy()`.

**9.4.2.6 `timeToString (TclNumber time)`**

convert a time in numerical format to a human readable format.

**Parameters:**

*time* time in milliseconds

**Returns:**

a string representation

Definition at line 27 of file YadaProc.tcl.

References `timeToString()`.

Referenced by `timeToString()`.

## Chapter 10

# YADA Page Documentation

### 10.1 Todo List

Member [ListDialog::\\_selectionAction\(\)](#) not yet implemented

Member [YadaMachines::\\_delete\(\)](#) not yet implemented

Member [YadaMachines::\\_new\(\)](#) not yet implemented

# Index

- ~CdgProcess
  - CdgProcess, [23](#)
- ~Process
  - Process, [42](#)
- ~VisDirectory
  - VisDirectory, [48](#)
- ~YadaConfigDocument
  - YadaConfigDocument, [65](#)
- ~YadaDocument
  - YadaDocument, [91](#)
- ~YadaGrammar
  - YadaGrammar, [134](#)
- ~YadaJob
  - YadaJob, [152](#)
- ~YadaMachine
  - YadaMachine, [162](#)
- ~YadaMain
  - YadaMain, [177](#)
- ~YadaRanking
  - YadaRanking, [223](#)
- \_about
  - YadaMain, [177](#)
- \_activateDocument
  - YadaConfig, [59](#)
- \_addTime
  - YadaMachine, [163](#)
- \_analyseDocument
  - YadaDifference, [77](#), [78](#)
  - YadaGlsStats, [121](#)
  - YadaOneOnOne, [203](#), [204](#)
  - YadaRanking, [224](#)
  - YadaRunnableDocument, [236](#)
  - YadaRunner, [252](#), [253](#)
- \_analyseResult
  - YadaDifference, [87](#)
  - YadaGlsStats, [130](#)
  - YadaOneOnOne, [213](#)
  - YadaRunnableDocument, [245](#)
  - YadaRunner, [264](#)
- \_askChange
  - YadaConfigDocument, [65](#)
  - YadaExperiments, [105](#)
  - YadaGrammars, [141](#)
  - YadaMachines, [169](#)
  - YadaMethods, [193](#)
- \_b1Click
  - VisDirectory, [48](#)
- \_backwardHistory
  - FileSelector, [28](#)
- \_breakButtonAction
  - YadaRanking, [224](#)
  - YadaRunnableDocument, [236](#)
- \_cancelAction
  - ListDialog, [33](#)
- \_cancelCommand
  - FileSelector, [28](#)
- \_chdirHandle
  - FileSelector, [28](#)
- \_checkExperiment
  - YadaExperiments, [105](#)
- \_checkMethod
  - YadaMethods, [193](#)
- \_clearLogFlag
  - YadaRunnableDocument, [246](#)
- \_clearRow
  - YadaDifference, [78](#)
  - YadaGlsStats, [121](#)
  - YadaOneOnOne, [204](#)
  - YadaRunnableDocument, [236](#)
  - YadaRunner, [253](#)
- \_cmpFiles
  - VisDirectory, [48](#)
- \_commit
  - YadaConfigDocument, [65](#)
  - YadaExperiments, [105](#)
  - YadaGenerals, [113](#)
  - YadaGrammars, [141](#)
  - YadaMachines, [169](#)
  - YadaMethods, [193](#)
- \_computeETA
  - YadaRunnableDocument, [236](#)
- \_computeSpeedup
  - YadaDifference, [78](#)
  - YadaGlsStats, [121](#)
  - YadaOneOnOne, [204](#)
  - YadaRunnableDocument, [237](#)
  - YadaRunner, [253](#)
- \_computeStatistics
  - YadaDifference, [78](#)
  - YadaGlsStats, [122](#)

- YadaOneOnOne, 204
- YadaRanking, 224
- YadaRunnableDocument, 237
- YadaRunner, 253
- \_consoleFlag
  - YadaRunnableDocument, 246
- \_ctrlB1Click
  - VisDirectory, 48
- \_currentDocument
  - YadaMain, 181
- \_currentDocumentName
  - YadaMain, 181
- \_currentJobs
  - YadaRunnableDocument, 246
- \_currentToolbar
  - YadaMain, 182
- \_dataDirChooser
  - YadaExperiments, 105
  - YadaMethods, 193
- \_defaults
  - YadaExperiments, 105
  - YadaGrammars, 141
  - YadaMachines, 169
  - YadaMethods, 193
- \_delete
  - YadaExperiments, 106
  - YadaGrammars, 142
  - YadaMachines, 169
  - YadaMethods, 193
- \_deleteCommand
  - FileSelector, 29
- \_deleteData
  - YadaDifference, 78
  - YadaGlsStats, 122
  - YadaOneOnOne, 204
  - YadaRunnableDocument, 237
  - YadaRunner, 253
- \_directoryCommand
  - FileSelector, 29
- \_doit
  - Balloon, 20
- \_doneWordgraph
  - YadaDifference, 88
  - YadaGlsStats, 130
  - YadaOneOnOne, 214
  - YadaRunnableDocument, 246
  - YadaRunner, 264
- \_doubleB1Click
  - VisDirectory, 48
- \_draw
  - VisDirectory, 48
- \_editGrammar
  - YadaGrammars, 142
- \_entryAbortCommand
  - VisDirectory, 48
- \_entryOkCommand
  - VisDirectory, 49
- \_escapeCommand
  - YadaGrammars, 142
  - YadaRanking, 224
  - YadaRunnableDocument, 237
- \_fileChooser
  - YadaGrammars, 142
- \_firstDocument
  - YadaMain, 182
- \_followDataFlag
  - YadaRunnableDocument, 246
- \_forwardHistory
  - FileSelector, 29
- \_getActiveWordgraphs
  - YadaDifference, 78
  - YadaGlsStats, 122
  - YadaOneOnOne, 204
  - YadaRunnableDocument, 237
  - YadaRunner, 253
- \_getActiveWork
  - YadaRanking, 224
- \_getCurrentGrammar
  - YadaRanking, 224
- \_getDoneWork
  - YadaDifference, 78
  - YadaGlsStats, 122
  - YadaOneOnOne, 204
  - YadaRanking, 224
  - YadaRunnableDocument, 237
  - YadaRunner, 253
- \_getJudgeOfRow
  - YadaDifference, 78
  - YadaOneOnOne, 204
- \_getLoadedWordgraphNames
  - YadaRunner, 254
- \_getMarked
  - YadaConfigDocument, 65
  - YadaExperiments, 106
  - YadaGrammars, 142
  - YadaMachines, 169
  - YadaMethods, 194
- \_getNextNode
  - YadaMachine, 163
- \_getRankingOfExperiment
  - YadaRanking, 224
- \_getRowOfExperimentName
  - YadaRanking, 225
- \_getRowOfWordgraph
  - YadaDifference, 79
  - YadaGlsStats, 122
  - YadaOneOnOne, 205
  - YadaRunnableDocument, 238

- YadaRunner, 254
- \_getSavedWordgraphNames
  - YadaRunner, 254
- \_getSelectedExperiment
  - YadaDifference, 79
  - YadaGlsStats, 122
  - YadaOneOnOne, 205
  - YadaRunnableDocument, 238
  - YadaRunner, 254
- \_getSelectedExperiments
  - YadaDifference, 79
  - YadaOneOnOne, 205
- \_getSelectedWordgraphs
  - YadaGrammars, 142
- \_getSelectedWork
  - YadaDifference, 79
  - YadaGlsStats, 122
  - YadaOneOnOne, 205
  - YadaRanking, 225
  - YadaRunnableDocument, 238
  - YadaRunner, 254
- \_getTypeOfColumn
  - YadaDifference, 79
  - YadaGlsStats, 122
  - YadaOneOnOne, 205
  - YadaRunner, 254
- \_getUndoneWork
  - YadaDifference, 79
  - YadaGlsStats, 123
  - YadaOneOnOne, 205
  - YadaRanking, 225
  - YadaRunnableDocument, 238
  - YadaRunner, 254
- \_getUpdatedWordgraphNames
  - YadaRunner, 255
- \_getWordgraphs
  - YadaDifference, 79
  - YadaGlsStats, 123
  - YadaOneOnOne, 205
  - YadaRunnableDocument, 238
  - YadaRunner, 255
- \_getWork
  - YadaRanking, 225
- \_getXMLFileName
  - YadaDifference, 80
  - YadaGlsStats, 123
  - YadaOneOnOne, 206
  - YadaRunnableDocument, 238
  - YadaRunner, 255
- \_gotBreak
  - YadaDifference, 88
  - YadaGlsStats, 130
  - YadaOneOnOne, 214
  - YadaRunnableDocument, 246
- YadaRunner, 264
- \_homeCommand
  - FileSelector, 29
- \_iconTag
  - VisFile, 54
- \_images
  - YadaImages, 150
- \_insertData
  - YadaDifference, 80
  - YadaGlsStats, 123
  - YadaOneOnOne, 206
  - YadaRanking, 225
  - YadaRunnableDocument, 238
  - YadaRunner, 255
- \_invertWordgraphs
  - YadaGrammars, 142
- \_isInitialized
  - YadaConfig, 62
  - YadaConfigDocument, 70
  - YadaDifference, 88
  - YadaDocument, 94
  - YadaExperiments, 110
  - YadaGenerals, 116
  - YadaGlsStats, 130
  - YadaGrammars, 148
  - YadaMachines, 174
  - YadaMethods, 198
  - YadaOneOnOne, 214
  - YadaPlainDocument, 219
  - YadaRanking, 231
  - YadaRunnableDocument, 246
  - YadaRunner, 264
  - YadaStartUp, 271
- \_isModified
  - YadaRunner, 255
- \_isRunning
  - YadaDifference, 88
  - YadaGlsStats, 130
  - YadaOneOnOne, 214
  - YadaRunnableDocument, 246
  - YadaRunner, 264
- \_isSelected
  - VisFile, 54
- \_isUpToDate
  - YadaGrammar, 137
- \_jobConsumer
  - YadaDifference, 80
  - YadaGlsStats, 123
  - YadaOneOnOne, 206
  - YadaRunnableDocument, 239
  - YadaRunner, 255
- \_jobQueue
  - YadaMachine, 165
- \_jobsOnNode

- YadaMachine, 165
- \_judgeData
  - YadaDifference, 80
  - YadaOneOnOne, 206
- \_judgeEnter
  - YadaJudgeBar, 157
- \_judgeLeave
  - YadaJudgeBar, 157
- \_judgeRow
  - YadaDifference, 80
  - YadaGlsStats, 123
  - YadaOneOnOne, 206
  - YadaRunner, 256
- \_lastDocument
  - YadaMain, 182
- \_lastModificationTime
  - YadaConfig, 62
  - YadaConfigDocument, 70
  - YadaDifference, 88
  - YadaDocument, 94
  - YadaExperiments, 110
  - YadaGenerals, 116
  - YadaGlsStats, 131
  - YadaGrammars, 148
  - YadaMachines, 174
  - YadaMethods, 198
  - YadaOneOnOne, 214
  - YadaPlainDocument, 219
  - YadaRanking, 231
  - YadaRunnableDocument, 247
  - YadaRunner, 265
  - YadaStartUp, 271
- \_lastSorting
  - YadaRunnableDocument, 247
- \_leaveTableCommand
  - YadaGrammars, 142
  - YadaRanking, 225
  - YadaRunnableDocument, 239
- \_lengthSelection
  - YadaGrammars, 143
- \_mark
  - YadaConfigDocument, 65
  - YadaExperiments, 106
  - YadaGrammars, 143
  - YadaMachines, 169
  - YadaMethods, 194
- \_myArray
  - MyTable, 40
- \_needsLineFeed
  - YadaLog, 159
- \_new
  - YadaExperiments, 106
  - YadaGrammars, 143
  - YadaMachines, 170
  - YadaMethods, 194
  - \_newCommand
    - FileSelector, 29
  - \_next
    - YadaConfigDocument, 65
  - \_noComputedJobs
    - YadaMachine, 165
  - \_normalizeRankings
    - YadaRanking, 225
  - \_okAction
    - ListDialog, 33
  - \_okCommand
    - FileSelector, 29
  - \_orientFlag
    - YadaRunnableDocument, 247
  - \_passedStates
    - YadaJob, 153
  - \_prev
    - YadaConfigDocument, 66
  - \_print
    - CdgProcess, 23
    - Process, 42
  - \_progressProcess
    - YadaRunnableDocument, 247
  - \_randomSelection
    - YadaGrammars, 143
  - \_readPipe
    - Process, 42
  - \_recTag
    - VisFile, 54
  - \_registerJob
    - YadaDifference, 80
    - YadaGlsStats, 123
    - YadaOneOnOne, 206
    - YadaRunnableDocument, 239
    - YadaRunner, 256
  - \_registeredDocument
    - YadaMain, 182
  - \_reloadCommand
    - FileSelector, 29
  - \_rescanGrammar
    - YadaGrammars, 143
  - \_resetDataOf
    - YadaDifference, 80
    - YadaGlsStats, 124
    - YadaOneOnOne, 206
    - YadaRunnableDocument, 239
    - YadaRunner, 256
  - \_returnCommand
    - YadaGrammars, 144
    - YadaRanking, 225
    - YadaRunnableDocument, 239
  - \_rowTagCommand
    - YadaRanking, 225

- `_runButtonAction`
  - `YadaRunnableDocument`, 239
- `_runQueue`
  - `YadaMachine`, 165
- `_select`
  - `VisDirectory`, 49
  - `YadaExperiments`, 106
  - `YadaGrammars`, 144
  - `YadaMachines`, 170
  - `YadaMethods`, 194
- `_selectCommand`
  - `YadaConfigDocument`, 66
- `_selectFilter`
  - `YadaRanking`, 226
- `_selectFilterCommand`
  - `YadaRanking`, 226
- `_selectGrammar`
  - `YadaRanking`, 226
- `_selectHandle`
  - `FileSelector`, 29
- `_selectRanking`
  - `YadaRanking`, 226
- `_selectRankingCommand`
  - `YadaRanking`, 226
- `_selectWordgraphs`
  - `YadaGrammars`, 144
- `_selected`
  - `YadaGrammar`, 137
- `_selectedContextWordgraph`
  - `YadaDifference`, 88
  - `YadaGlsStats`, 131
  - `YadaOneOnOne`, 214
  - `YadaRunnableDocument`, 247
  - `YadaRunner`, 265
- `_selection`
  - `YadaGrammar`, 137
- `_selectionAction`
  - `ListDialog`, 33
- `_selectionCommand`
  - `FileSelector`, 30
- `_setCounter`
  - `YadaConfigDocument`, 66
- `_setRankingOfExperiment`
  - `YadaRanking`, 226
- `_shiftB1Click`
  - `VisDirectory`, 49
- `_show`
  - `YadaGrammars`, 144
- `_showContextMenu`
  - `YadaDifference`, 81
  - `YadaGlsStats`, 124
  - `YadaOneOnOne`, 207
  - `YadaRunnableDocument`, 239
  - `YadaRunner`, 256
- `_showStatistics`
  - `YadaGlsStats`, 124
  - `YadaRanking`, 226
  - `YadaRunner`, 256
- `_startJob`
  - `YadaMachine`, 163
- `_state`
  - `YadaJob`, 153
- `_status`
  - `YadaMain`, 182
- `_statusFlag`
  - `YadaDocument`, 95
  - `YadaMain`, 182
- `_tableFlag`
  - `YadaRunnableDocument`, 247
- `_tagging`
  - `YadaLog`, 159
- `_textTag`
  - `VisFile`, 55
- `_timePerJob`
  - `YadaMachine`, 166
- `_timer`
  - `YadaRunnableDocument`, 247
- `_timerOfJob`
  - `YadaMachine`, 166
- `_toHtml`
  - `YadaRunner`, 256
- `_toolbarFlag`
  - `YadaDocument`, 95
  - `YadaMain`, 182
- `_traceProcess`
  - `YadaDifference`, 81
  - `YadaGlsStats`, 124
  - `YadaOneOnOne`, 207
  - `YadaRunnableDocument`, 239
  - `YadaRunner`, 256
- `_undo`
  - `YadaConfigDocument`, 66
- `_unmark`
  - `YadaConfigDocument`, 66
  - `YadaExperiments`, 106
  - `YadaGrammars`, 144
  - `YadaMachines`, 170
  - `YadaMethods`, 194
- `_unregisterJob`
  - `YadaDifference`, 81
  - `YadaGlsStats`, 124
  - `YadaOneOnOne`, 207
  - `YadaRunnableDocument`, 240
  - `YadaRunner`, 256
- `_unselect`
  - `VisDirectory`, 49
- `_unselectWordgraphs`
  - `YadaGrammars`, 144

- \_unsetRankingOfExperiment
  - YadaRanking, 227
- YadaRunnableDocument, 240
- \_upCommand
  - FileSelector, 30
- \_updateHistory
  - FileSelector, 30
- \_validateCommand
  - YadaConfigDocument, 66
  - YadaExperiments, 107
  - YadaGrammars, 144
  - YadaMachines, 170
  - YadaMethods, 194
- \_viewLogfile
  - YadaDifference, 81
  - YadaGlsStats, 124
  - YadaOneOnOne, 207
  - YadaRunnableDocument, 240
  - YadaRunner, 257
- \_viewXmlfile
  - YadaDifference, 81
  - YadaGlsStats, 124
  - YadaOneOnOne, 207
  - YadaRunnableDocument, 240
  - YadaRunner, 257
- \_visDirectory
  - VisFile, 55
- \_wordgraphs
  - YadaGrammar, 137
- \_xCoord
  - VisFile, 55
- \_yCoord
  - VisFile, 55
- access
  - YadaMachine, 166
- activate
  - FileSelector, 30
  - ListDialog, 33
  - MyTable, 37
- activateDocument
  - YadaMain, 177
- activationHandle
  - YadaConfig, 59
  - YadaConfigDocument, 66
  - YadaDifference, 82
  - YadaDocument, 92
  - YadaExperiments, 107
  - YadaGenerals, 113
  - YadaGlsStats, 125
  - YadaGrammars, 145
  - YadaMachines, 170
  - YadaMethods, 195
  - YadaOneOnOne, 208
  - YadaPlainDocument, 217
  - YadaRanking, 227
  - YadaRunnableDocument, 240
  - YadaRunner, 257
  - YadaStartUp, 269
- apply
  - YadaMethod, 185
- arcs
  - YadaWordgraph, 275
- askNewLoad
  - YadaConfig, 59
  - YadaDifference, 82
  - YadaDocument, 92
  - YadaGlsStats, 125
  - YadaOneOnOne, 208
  - YadaRanking, 227
  - YadaRunnableDocument, 240
  - YadaRunner, 257
  - YadaStartUp, 269
- askRunall
  - YadaDifference, 82
  - YadaGlsStats, 125
  - YadaOneOnOne, 208
  - YadaRunnableDocument, 240
  - YadaRunner, 257
- autotag
  - YadaLog, 159
- backward
  - YadaConfig, 59
  - YadaDifference, 82
  - YadaDocument, 92
  - YadaGlsStats, 125
  - YadaOneOnOne, 208
  - YadaRanking, 227
  - YadaRunnableDocument, 240
  - YadaRunner, 257
  - YadaStartUp, 269
- Balloon, 19
  - \_doit, 20
  - Balloon, 20
  - balloonId, 21
  - off, 20
  - on, 20
- balloonId
  - Balloon, 21
- breakJob
  - YadaDifference, 82
  - YadaGlsStats, 125
  - YadaOneOnOne, 208
  - YadaRunnableDocument, 241
  - YadaRunner, 257
- breakProcess
  - YadaRanking, 227
- bugfixes.tcl, 277

- cdgp
  - CdgProcess, 25
- CdgProcess, 22
  - CdgProcess, 23
- CdgProcess
  - ~CdgProcess, 23
  - \_print, 23
  - cdgp, 25
  - CdgProcess, 23
  - getJobState, 23
  - getPassedJobStates, 23
  - getPid, 24
  - initFile, 25
  - interrupt, 24
  - isAlive, 24
  - kill, 24
  - nice, 24
  - showProgress, 26
  - signal, 24
  - start, 24
  - stop, 25
  - tell, 25
  - term, 25
  - useCopy, 26
  - wait, 25
  - xmlFile, 26
- check
  - YadaMethod, 185
- childsitem
  - MyTable, 37
- clear
  - MyTable, 37
  - YadaDifference, 82
  - YadaGlsStats, 125
  - YadaLog, 159
  - YadaOneOnOne, 208
  - YadaRanking, 227
  - YadaRunnableDocument, 241
  - YadaRunner, 258
- clearSelection
  - VisDirectory, 49
- clone
  - YadaGrammar, 134
  - YadaMethod, 185
  - YadaWordgraph, 274
- colorize
  - MyTable, 37
- cols
  - MyTable, 37
- command
  - YadaExperiment, 100
  - YadaMethod, 187
- consumerCommand
  - YadaJob, 153
- cpus
  - YadaMachine, 166
- curselection
  - MyTable, 37
- dataDir
  - YadaExperiment, 100
  - YadaMethod, 187
- deActivationHandle
  - YadaConfig, 59
  - YadaConfigDocument, 67
  - YadaDifference, 82
  - YadaDocument, 92
  - YadaExperiments, 107
  - YadaGenerals, 114
  - YadaGlsStats, 125
  - YadaGrammars, 145
  - YadaMachines, 170
  - YadaMethods, 195
  - YadaOneOnOne, 208
  - YadaPlainDocument, 217
  - YadaRanking, 227
  - YadaRunnableDocument, 241
  - YadaRunner, 258
  - YadaStartUp, 269
- delete
  - MyTable, 37
- deleteWordgraphs
  - YadaGrammar, 134
- displayTitle
  - YadaConfig, 59
  - YadaConfigDocument, 67
  - YadaConfigItem, 72
  - YadaDifference, 83
  - YadaDocument, 92
  - YadaExperiment, 99
  - YadaExperiments, 107
  - YadaGenerals, 114
  - YadaGlsStats, 126
  - YadaGrammar, 135
  - YadaGrammars, 145
  - YadaMachine, 163
  - YadaMachines, 171
  - YadaMethod, 185
  - YadaMethods, 195
  - YadaOneOnOne, 209
  - YadaPlainDocument, 217
  - YadaRanking, 227
  - YadaRunnableDocument, 241
  - YadaRunner, 258
  - YadaStartUp, 269
- document
  - YadaConfig, 59
  - YadaMain, 177

- draw
  - YadaJudgeBar, 157
- editor
  - YadaGenerals, 116
- erase
  - MyTable, 37
- experiment
  - YadaJob, 153
- file
  - YadaWordgraph, 275
- files
  - YadaGrammar, 137
- FileSelector, 27
  - FileSelector, 28
- FileSelector
  - \_backwardHistory, 28
  - \_cancelCommand, 28
  - \_chdirHandle, 28
  - \_deleteCommand, 29
  - \_directoryCommand, 29
  - \_forwardHistory, 29
  - \_homeCommand, 29
  - \_newCommand, 29
  - \_okCommand, 29
  - \_reloadCommand, 29
  - \_selectHandle, 29
  - \_selectionCommand, 30
  - \_upCommand, 30
  - \_updateHistory, 30
  - activate, 30
  - FileSelector, 28
  - filter, 30
  - show, 30
- filter
  - FileSelector, 30
- FlatButton, 31
  - FlatButton, 31
- FlatButton
  - FlatButton, 31
- followData
  - YadaLog, 159
- forward
  - YadaConfig, 59
  - YadaDifference, 83
  - YadaDocument, 92
  - YadaGlsStats, 126
  - YadaOneOnOne, 209
  - YadaRanking, 227
  - YadaRunnableDocument, 241
  - YadaRunner, 258
  - YadaStartUp, 269
- fromDOM
  - YadaGenerals, 114
  - YadaGrammar, 135
  - YadaMachine, 163
  - YadaRanking, 228
  - YadaRunner, 258
  - YadaWordgraph, 274
- get
  - ListDialog, 33
  - YadaImages, 150
- getActiveExperiments
  - YadaExperiments, 107
  - YadaMain, 178
- getActiveMethods
  - YadaMethods, 195
- getAllItemNames
  - YadaConfigDocument, 67
  - YadaExperiments, 107
  - YadaGrammars, 145
  - YadaMachines, 171
  - YadaMethods, 195
- getAllItems
  - YadaConfigDocument, 67
  - YadaExperiments, 107
  - YadaGrammars, 145
  - YadaMachines, 171
  - YadaMethods, 195
- getAllNotifications
  - YadaProc.tcl, 280
- getBBox
  - VisFile, 53
- getCell
  - MyTable, 38
- getCoords
  - VisFile, 53
- getCurrentItem
  - YadaConfigDocument, 67
  - YadaExperiments, 108
  - YadaGrammars, 145
  - YadaMachines, 171
  - YadaMethods, 195
- getDocFileName
  - YadaMethod, 185
- getDocument
  - YadaMain, 178
- getDocuments
  - YadaMain, 178
- getEditor
  - YadaMain, 178
- getExperiment
  - YadaMain, 178
- getExperimentNames
  - YadaMain, 178
- getExperiments

- YadaMain, 178
- getFilter
  - VisDirectory, 49
- getGrammar
  - YadaMain, 178
- getGrammarNames
  - YadaMain, 179
- getGrammarOfExperiment
  - YadaMain, 179
- getGrammars
  - YadaMain, 179
- getHeight
  - VisFile, 53
- getIndexOfName
  - YadaProc.tcl, 280
- getItem
  - YadaConfigDocument, 67
  - YadaExperiments, 108
  - YadaGrammars, 146
  - YadaMachines, 171
  - YadaMethods, 196
- getItemNo
  - YadaConfigDocument, 68
  - YadaExperiments, 108
  - YadaGrammars, 146
  - YadaMachines, 171
  - YadaMethods, 196
- getJobState
  - CdgProcess, 23
  - Process, 43
- getLoad
  - YadaMachine, 163
- getLogFileName
  - YadaMethod, 185
- getMachine
  - YadaMain, 179
- getMachineNames
  - YadaMain, 179
- getMachines
  - YadaMain, 179
- getMaxFileHeight
  - VisDirectory, 49
- getMaxFileWidth
  - VisDirectory, 50
- getMode
  - VisDirectory, 50
- getPassedJobStates
  - CdgProcess, 23
  - Process, 43
- getPassedStates
  - YadaJob, 152
- getPersistanceFileName
  - YadaGenerals, 114
  - YadaGrammar, 135
  - YadaMachine, 163
  - YadaRanking, 228
  - YadaRunner, 259
- getPersistanceFileNameForExperiment
  - YadaMain, 179
- getPersistanceFileNameForGrammar
  - YadaMain, 179
- getPersistanceFileNameForMachine
  - YadaMain, 179
- getPersistanceFileNameForMisc
  - YadaMain, 180
- getPersistanceFileNameForRanking
  - YadaMain, 180
- getPersistanceFileNameForRunner
  - YadaMain, 180
- getPid
  - CdgProcess, 24
  - Process, 43
- getSelection
  - VisDirectory, 50
  - VisFile, 53
  - YadaGrammar, 135
- getShowHidden
  - VisDirectory, 50
- getSignificance
  - YadaMain, 180
- getState
  - YadaJob, 152
- getTimePerJob
  - YadaMachine, 164
- getTimeTolerance
  - YadaMain, 180
- getToggle
  - YadaMain, 180
- getTotalLabelRecall
  - YadaRunner, 259
- getTotalLexRecall
  - YadaRunner, 259
- getTotalScore
  - YadaRunner, 259
- getTotalSoftTime
  - YadaRunner, 259
- getTotalSolTime
  - YadaRunner, 260
- getTotalStructRecall
  - YadaRunner, 260
- getTotalTime
  - YadaRunner, 260
- getWeirdness
  - YadaMain, 180
- getWidth
  - VisFile, 53
- getWordgraph
  - YadaGrammar, 135

- getWordgraphs
  - YadaGrammar, 135
- getWordgraphsOfExperiment
  - YadaMain, 180
- getWords
  - YadaWordgraph, 274
- getXmlFileName
  - YadaMethod, 185
- grammarName
  - YadaExperiment, 100
  - YadaMethod, 187
- hasPassedState
  - YadaJob, 152
- hasSavedState
  - YadaConfig, 60
  - YadaConfigDocument, 68
  - YadaConfigItem, 72
  - YadaDifference, 83
  - YadaDocument, 93
  - YadaExperiment, 99
  - YadaExperiments, 108
  - YadaGenerals, 114
  - YadaGlsStats, 126
  - YadaGrammar, 135
  - YadaGrammars, 146
  - YadaMachine, 164
  - YadaMachines, 172
  - YadaMethod, 186
  - YadaMethods, 196
  - YadaOneOnOne, 209
  - YadaPlainDocument, 218
  - YadaRanking, 228
  - YadaRunnableDocument, 241
  - YadaRunner, 260
  - YadaStartUp, 269
- hasView
  - YadaConfig, 62
  - YadaConfigDocument, 70
  - YadaDifference, 88
  - YadaDocument, 95
  - YadaExperiments, 110
  - YadaGenerals, 116
  - YadaGlsStats, 131
  - YadaGrammars, 148
  - YadaMachines, 174
  - YadaMethods, 198
  - YadaOneOnOne, 214
  - YadaPlainDocument, 219
  - YadaRanking, 231
  - YadaRunnableDocument, 247
  - YadaRunner, 265
  - YadaStartUp, 272
- hide
  - VisDirectory, 50
  - VisFile, 54
- hscrollmode
  - MyTable, 38
- hset
  - MyTable, 38
- icon
  - VisFile, 55
- icursor
  - MyTable, 38
- index
  - MyTable, 38
- init
  - YadaConfig, 60
  - YadaConfigDocument, 68
  - YadaDifference, 83
  - YadaDocument, 93
  - YadaExperiments, 108
  - YadaGenerals, 114
  - YadaGlsStats, 126
  - YadaGrammars, 146
  - YadaMachines, 172
  - YadaMain, 180
  - YadaMethods, 196
  - YadaOneOnOne, 209
  - YadaPlainDocument, 218
  - YadaRanking, 228
  - YadaRunnableDocument, 242
  - YadaRunner, 260
  - YadaStartUp, 270
- initFile
  - CdgProcess, 25
- insert
  - ListDialog, 34
  - MyTable, 38
- interrupt
  - CdgProcess, 24
  - Process, 43
- interruptJobs
  - YadaDifference, 83
  - YadaGlsStats, 126
  - YadaOneOnOne, 209
  - YadaRunnableDocument, 242
  - YadaRunner, 260
- interruptProcess
  - YadaRanking, 228
- isActive
  - YadaExperiment, 100
  - YadaMethod, 187
- isAlive
  - CdgProcess, 24
  - Process, 43
- isComplete

- YadaExperiment, 100
- YadaMethod, 187
- isFollowData
  - YadaRanking, 229
- isModified
  - YadaConfig, 60
  - YadaConfigDocument, 68
  - YadaConfigItem, 72
  - YadaDifference, 83
  - YadaDocument, 93
  - YadaExperiment, 99
  - YadaExperiments, 108
  - YadaGenerals, 115
  - YadaGlsStats, 126
  - YadaGrammar, 135
  - YadaGrammars, 146
  - YadaMachine, 164
  - YadaMachines, 172
  - YadaMethod, 186
  - YadaMethods, 196
  - YadaOneOnOne, 209
  - YadaPlainDocument, 218
  - YadaRanking, 229
  - YadaRunnableDocument, 242
  - YadaRunner, 260
  - YadaStartUp, 270
- isSelected
  - YadaWordgraph, 275
- isTrivial
  - YadaWordgraph, 275
- isUpToDate
  - YadaExperiment, 100
  - YadaGrammar, 136
  - YadaMethod, 187
- isValidPersistenceFile
  - YadaGrammars, 146
- itcl-hierarchy.tcl, 278
- kill
  - CdgProcess, 24
  - Process, 43
- killJob
  - YadaDifference, 84
  - YadaGlsStats, 126
  - YadaOneOnOne, 210
  - YadaRunnableDocument, 242
  - YadaRunner, 260
- labelledHits
  - YadaExperiment, 100
  - YadaMethod, 187
- lastChanged
  - YadaConfig, 60
  - YadaConfigDocument, 68
  - YadaDifference, 84
  - YadaDocument, 93
  - YadaExperiment, 99
  - YadaExperiments, 109
  - YadaGenerals, 115
  - YadaGlsStats, 127
  - YadaGrammars, 147
  - YadaMachines, 172
  - YadaMethods, 196
  - YadaOneOnOne, 210
  - YadaPlainDocument, 218
  - YadaRanking, 229
  - YadaRunnableDocument, 242
  - YadaRunner, 260
  - YadaStartUp, 270
- lexicalHits
  - YadaExperiment, 100
  - YadaMethod, 188
- lineNo
  - YadaWordgraph, 275
- ListDialog, 32
  - ListDialog, 33
- ListDialog
  - \_cancelAction, 33
  - \_okAction, 33
  - \_selectionAction, 33
  - activate, 33
  - get, 33
  - insert, 34
  - ListDialog, 33
  - title, 34
- load
  - YadaConfig, 60
  - YadaConfigDocument, 68
  - YadaConfigItem, 72
  - YadaDifference, 84
  - YadaDocument, 93
  - YadaExperiment, 99
  - YadaExperiments, 109
  - YadaGenerals, 115
  - YadaGlsStats, 127
  - YadaGrammar, 136
  - YadaGrammars, 147
  - YadaMachine, 164
  - YadaMachines, 172
  - YadaMethod, 186
  - YadaMethods, 196
  - YadaOneOnOne, 210
  - YadaPlainDocument, 218
  - YadaRanking, 229
  - YadaRunnableDocument, 242
  - YadaRunner, 261
  - YadaStartUp, 270
- loadNonTclGrammars
  - YadaGrammars, 147

- loadUpdatedWordgraphs
  - YadaDifference, [84](#)
  - YadaGlsStats, [127](#)
  - YadaOneOnOne, [210](#)
  - YadaRunnableDocument, [242](#)
  - YadaRunner, [261](#)
- machine
  - YadaJob, [153](#)
- machineName
  - YadaExperiment, [101](#)
  - YadaMethod, [188](#)
- markWordgraph
  - YadaDifference, [84](#)
  - YadaGlsStats, [127](#)
  - YadaOneOnOne, [210](#)
  - YadaRunnableDocument, [243](#)
  - YadaRunner, [261](#)
- MyTable, [35](#)
  - MyTable, [36](#)
- MyTable
  - \_myArray, [40](#)
  - activate, [37](#)
  - childsite, [37](#)
  - clear, [37](#)
  - colorize, [37](#)
  - cols, [37](#)
  - curselection, [37](#)
  - delete, [37](#)
  - erase, [37](#)
  - getCell, [38](#)
  - hscrollmode, [38](#)
  - hset, [38](#)
  - icursor, [38](#)
  - index, [38](#)
  - insert, [38](#)
  - MyTable, [36](#)
  - print, [38](#)
  - resize, [38](#)
  - rows, [38](#)
  - selbackground, [39](#)
  - selection, [39](#)
  - selfforeground, [39](#)
  - setCell, [39](#)
  - sortRows, [39](#)
  - spans, [39](#)
  - tag, [39](#)
  - troughcolor, [39](#)
  - vscrollmode, [39](#)
  - vset, [40](#)
  - width, [40](#)
  - xview, [40](#)
  - yview, [40](#)
- name
  - VisFile, [55](#)
  - YadaConfig, [62](#)
  - YadaConfigDocument, [70](#)
  - YadaDifference, [88](#)
  - YadaDocument, [95](#)
  - YadaExperiments, [110](#)
  - YadaGenerals, [117](#)
  - YadaGlsStats, [131](#)
  - YadaGrammars, [148](#)
  - YadaMachines, [174](#)
  - YadaMethod, [188](#)
  - YadaMethods, [198](#)
  - YadaOneOnOne, [214](#)
  - YadaPlainDocument, [220](#)
  - YadaRanking, [231](#)
  - YadaRunnableDocument, [248](#)
  - YadaRunner, [265](#)
  - YadaStartUp, [272](#)
  - YadaWordgraph, [275](#)
- new
  - VisDirectory, [50](#)
- newDocument
  - YadaConfig, [60](#)
  - YadaDifference, [84](#)
  - YadaDocument, [93](#)
  - YadaGlsStats, [127](#)
  - YadaMain, [181](#)
  - YadaOneOnOne, [210](#)
  - YadaRanking, [229](#)
  - YadaRunnableDocument, [243](#)
  - YadaRunner, [261](#)
  - YadaStartUp, [270](#)
- nextDocument
  - YadaConfig, [62](#)
  - YadaDifference, [89](#)
  - YadaDocument, [95](#)
  - YadaGlsStats, [131](#)
  - YadaOneOnOne, [215](#)
  - YadaRanking, [232](#)
  - YadaRunnableDocument, [248](#)
  - YadaRunner, [265](#)
  - YadaStartUp, [272](#)
- nice
  - CdgProcess, [24](#)
  - Process, [43](#)
- noAnnoEdges
  - YadaWordgraph, [275](#)
- noAnnoWords
  - YadaWordgraph, [275](#)
- node
  - YadaJob, [153](#)
- nodes
  - YadaMachine, [166](#)

- off
  - Balloon, [20](#)
- on
  - Balloon, [20](#)
- persistenceFileInSync
  - YadaGrammar, [136](#)
- prevDocument
  - YadaConfig, [62](#)
  - YadaDifference, [89](#)
  - YadaDocument, [95](#)
  - YadaGlsStats, [131](#)
  - YadaOneOnOne, [215](#)
  - YadaRanking, [232](#)
  - YadaRunnableDocument, [248](#)
  - YadaRunner, [265](#)
  - YadaStartUp, [272](#)
- print
  - MyTable, [38](#)
  - YadaDifference, [84](#)
  - YadaGlsStats, [127](#)
  - YadaLog, [159](#)
  - YadaMethod, [186](#)
  - YadaOneOnOne, [210](#)
  - YadaRunnableDocument, [243](#)
  - YadaRunner, [261](#)
- printCommand
  - YadaExperiment, [101](#)
  - YadaMethod, [188](#)
- printMessage
  - YadaProc.tcl, [281](#)
- printStatus
  - YadaMain, [181](#)
- Process, [41](#)
  - ~Process, [42](#)
  - \_print, [42](#)
  - \_readPipe, [42](#)
  - getJobState, [43](#)
  - getPassedJobStates, [43](#)
  - getPid, [43](#)
  - interrupt, [43](#)
  - isAlive, [43](#)
  - kill, [43](#)
  - nice, [43](#)
  - Process, [42](#)
  - showProgress, [45](#)
  - signal, [44](#)
  - start, [44](#)
  - stop, [44](#)
  - tell, [44](#)
  - term, [44](#)
  - wait, [44](#)
- process
  - YadaJob, [153](#)
- queueJob
  - YadaMachine, [164](#)
- quit
  - YadaMain, [181](#)
- readXmlAnno
  - YadaWordgraph, [274](#)
- readXmlNode
  - YadaWordgraph, [274](#)
- registerDocument
  - YadaMain, [181](#)
- reload
  - YadaDifference, [85](#)
  - YadaGlsStats, [127](#)
  - YadaOneOnOne, [211](#)
  - YadaRanking, [229](#)
  - YadaRunnableDocument, [243](#)
  - YadaRunner, [261](#)
- rescan
  - YadaGrammar, [136](#)
- resetBusy
  - YadaProc.tcl, [281](#)
- resetModified
  - YadaConfig, [61](#)
  - YadaConfigDocument, [69](#)
  - YadaConfigItem, [72](#)
  - YadaDifference, [85](#)
  - YadaDocument, [93](#)
  - YadaExperiment, [99](#)
  - YadaExperiments, [109](#)
  - YadaGenerals, [115](#)
  - YadaGlsStats, [128](#)
  - YadaGrammar, [136](#)
  - YadaGrammars, [147](#)
  - YadaMachine, [164](#)
  - YadaMachines, [172](#)
  - YadaMethod, [186](#)
  - YadaMethods, [197](#)
  - YadaOneOnOne, [211](#)
  - YadaPlainDocument, [218](#)
  - YadaRanking, [229](#)
  - YadaRunnableDocument, [243](#)
  - YadaRunner, [261](#)
  - YadaStartUp, [270](#)
- resetStatistics
  - YadaMethod, [186](#)
- resize
  - MyTable, [38](#)
- resortRows
  - YadaDifference, [85](#)
  - YadaGlsStats, [128](#)
  - YadaOneOnOne, [211](#)
  - YadaRanking, [230](#)
  - YadaRunnableDocument, [243](#)

- YadaRunner, 262
- rows
  - MyTable, 38
- run
  - YadaDifference, 85
  - YadaGlsStats, 128
  - YadaOneOnOne, 211
  - YadaRunnableDocument, 243
  - YadaRunner, 262
- runall
  - YadaDifference, 85
  - YadaGlsStats, 128
  - YadaOneOnOne, 211
  - YadaRunnableDocument, 244
  - YadaRunner, 262
- runner
  - YadaJob, 154
- save
  - YadaConfig, 61
  - YadaConfigDocument, 69
  - YadaConfigItem, 72
  - YadaDifference, 85, 86
  - YadaDocument, 94
  - YadaExperiment, 99
  - YadaExperiments, 109
  - YadaGenerals, 115
  - YadaGlsStats, 128
  - YadaGrammar, 136
  - YadaGrammars, 147
  - YadaMachine, 164
  - YadaMachines, 172
  - YadaMethod, 186
  - YadaMethods, 197
  - YadaOneOnOne, 211, 212
  - YadaPlainDocument, 219
  - YadaRanking, 230
  - YadaRunnableDocument, 244
  - YadaRunner, 262
  - YadaStartUp, 271
- scan
  - YadaGrammar, 136
- script
  - YadaExperiment, 101
  - YadaMethod, 188
- selbackground
  - MyTable, 39
- select
  - VisDirectory, 50
- selectedExperiment
  - YadaDifference, 89
  - YadaGlsStats, 131
  - YadaOneOnOne, 215
  - YadaRunnableDocument, 248
  - YadaRunner, 265
- selectExperiment
  - YadaDifference, 86
  - YadaGlsStats, 128
  - YadaOneOnOne, 212
  - YadaRunnableDocument, 244
  - YadaRunner, 262
- selection
  - MyTable, 39
- selfforeground
  - MyTable, 39
- setBusy
  - YadaProc.tcl, 281
- setCell
  - MyTable, 39
- setCoords
  - VisFile, 54
- setCurrentItem
  - YadaConfigDocument, 69
  - YadaExperiments, 109
  - YadaGrammars, 147
  - YadaMachines, 173
  - YadaMethods, 197
- setFilter
  - VisDirectory, 50
- setItem
  - YadaConfigDocument, 69
  - YadaExperiments, 109
  - YadaGrammars, 147
  - YadaMachines, 173
  - YadaMethods, 197
- setMode
  - VisDirectory, 51
- setModified
  - YadaConfig, 61
  - YadaConfigDocument, 69
  - YadaConfigItem, 72
  - YadaDifference, 86
  - YadaDocument, 94
  - YadaExperiment, 99
  - YadaExperiments, 109
  - YadaGenerals, 115
  - YadaGlsStats, 128
  - YadaGrammar, 136
  - YadaGrammars, 147
  - YadaMachine, 164
  - YadaMachines, 173
  - YadaMethod, 187
  - YadaMethods, 197
  - YadaOneOnOne, 212
  - YadaPlainDocument, 219
  - YadaRanking, 230
  - YadaRunnableDocument, 244
  - YadaRunner, 262

- YadaStartUp, 271
- setSelection
  - VisFile, 54
  - YadaGrammar, 136
- setShowHidden
  - VisDirectory, 51
- setState
  - YadaJob, 152
- setToggle
  - YadaConfig, 61
  - YadaConfigDocument, 69
  - YadaDifference, 86
  - YadaDocument, 94
  - YadaExperiments, 110
  - YadaGenerals, 116
  - YadaGlsStats, 129
  - YadaGrammars, 148
  - YadaMachines, 173
  - YadaMain, 181
  - YadaMethods, 197
  - YadaOneOnOne, 212
  - YadaPlainDocument, 219
  - YadaRanking, 230
  - YadaRunnableDocument, 244
  - YadaRunner, 262
  - YadaStartUp, 271
- setWordgraph
  - YadaGrammar, 137
- show
  - FileSelector, 30
  - VisDirectory, 51
  - VisFile, 54
- showProgress
  - CdgProcess, 26
  - Process, 45
- signal
  - CdgProcess, 24
  - Process, 44
- significance
  - YadaGenerals, 117
- sortRows
  - MyTable, 39
  - YadaDifference, 86
  - YadaGlsStats, 129
  - YadaOneOnOne, 212
  - YadaRanking, 230
  - YadaRunnableDocument, 244
  - YadaRunner, 263
- spans
  - MyTable, 39
- start
  - CdgProcess, 24
  - Process, 44
- startJob
  - YadaMachine, 165
- step
  - YadaDifference, 86
  - YadaGlsStats, 129
  - YadaOneOnOne, 212
  - YadaRunnableDocument, 244
  - YadaRunner, 263
- stop
  - CdgProcess, 25
  - Process, 44
- stopJob
  - YadaMachine, 165
- strictHits
  - YadaExperiment, 101
  - YadaMethod, 188
- structHits
  - YadaExperiment, 101
  - YadaMethod, 188
- tag
  - MyTable, 39
- tell
  - CdgProcess, 25
  - Process, 44
- term
  - CdgProcess, 25
  - Process, 44
- termJob
  - YadaDifference, 87
  - YadaGlsStats, 129
  - YadaOneOnOne, 213
  - YadaRunnableDocument, 245
  - YadaRunner, 263
- timeTolerance
  - YadaGenerals, 117
- timeToString
  - YadaProc.tcl, 281
- title
  - ListDialog, 34
- toDOM
  - YadaGenerals, 116
  - YadaGrammar, 137
  - YadaMachine, 165
  - YadaRanking, 230
  - YadaRunner, 263
  - YadaWordgraph, 274
- toggleFollowData
  - YadaRanking, 231
- totalScore
  - YadaExperiment, 101
  - YadaMethod, 188
- totalSoftTime
  - YadaExperiment, 101
  - YadaMethod, 189

- totalSolTime
  - YadaExperiment, [101](#)
  - YadaMethod, [189](#)
- totalTime
  - YadaExperiment, [101](#)
  - YadaMethod, [189](#)
- totalTries
  - YadaExperiment, [102](#)
  - YadaMethod, [189](#)
- troughcolor
  - MyTable, [39](#)
- type
  - VisFile, [55](#)
  - YadaExperiment, [102](#)
  - YadaMethod, [189](#)
- unbreakJob
  - YadaDifference, [87](#)
  - YadaGlsStats, [129](#)
  - YadaOneOnOne, [213](#)
  - YadaRunnableDocument, [245](#)
  - YadaRunner, [263](#)
- unbreakProcess
  - YadaRanking, [231](#)
- unmarkWordgraph
  - YadaDifference, [87](#)
  - YadaGlsStats, [129](#)
  - YadaOneOnOne, [213](#)
  - YadaRunnableDocument, [245](#)
  - YadaRunner, [263](#)
- unregisterDocument
  - YadaMain, [181](#)
- unsetItem
  - YadaConfigDocument, [69](#)
  - YadaExperiments, [110](#)
  - YadaGrammars, [148](#)
  - YadaMachines, [173](#)
  - YadaMethods, [198](#)
- updateModificationTime
  - YadaConfig, [61](#)
  - YadaConfigDocument, [70](#)
  - YadaDifference, [87](#)
  - YadaDocument, [94](#)
  - YadaExperiments, [110](#)
  - YadaGenerals, [116](#)
  - YadaGlsStats, [129](#)
  - YadaGrammars, [148](#)
  - YadaMachines, [173](#)
  - YadaMethods, [198](#)
  - YadaOneOnOne, [213](#)
  - YadaPlainDocument, [219](#)
  - YadaRanking, [231](#)
  - YadaRunnableDocument, [245](#)
  - YadaRunner, [263](#)
  - YadaStartUp, [271](#)
- useCopy
  - CdgProcess, [26](#)
- VisDirectory, [46](#)
  - VisDirectory, [48](#)
- VisDirectory
  - ~VisDirectory, [48](#)
  - \_b1Click, [48](#)
  - \_cmpFiles, [48](#)
  - \_ctrlB1Click, [48](#)
  - \_doubleB1Click, [48](#)
  - \_draw, [48](#)
  - \_entryAbortCommand, [48](#)
  - \_entryOkCommand, [49](#)
  - \_select, [49](#)
  - \_shiftB1Click, [49](#)
  - \_unselect, [49](#)
  - clearSelection, [49](#)
  - getFilter, [49](#)
  - getMaxFileHeight, [49](#)
  - getMaxFileWidth, [50](#)
  - getMode, [50](#)
  - getSelection, [50](#)
  - getShowHidden, [50](#)
  - hide, [50](#)
  - new, [50](#)
  - select, [50](#)
  - setFilter, [50](#)
  - setMode, [51](#)
  - setShowHidden, [51](#)
  - show, [51](#)
  - VisDirectory, [48](#)
- VisFile, [52](#)
  - VisFile, [53](#)
- VisFile
  - \_iconTag, [54](#)
  - \_isSelected, [54](#)
  - \_recTag, [54](#)
  - \_textTag, [55](#)
  - \_visDirectory, [55](#)
  - \_xCoord, [55](#)
  - \_yCoord, [55](#)
  - getBBox, [53](#)
  - getCoords, [53](#)
  - getHeight, [53](#)
  - getSelection, [53](#)
  - getWidth, [53](#)
  - hide, [54](#)
  - icon, [55](#)
  - name, [55](#)
  - setCoords, [54](#)
  - setSelection, [54](#)
  - show, [54](#)

- type, 55
  - VisFile, 53
- vscrollmode
  - MyTable, 39
- vset
  - MyTable, 40
- wait
  - CdgProcess, 25
  - Process, 44
  - YadaMachine, 165
- weirdness
  - YadaGenerals, 117
- width
  - MyTable, 40
- wordgraphName
  - YadaJob, 154
- writeXmlNode
  - YadaWordgraph, 274
- xmlFile
  - CdgProcess, 26
- xview
  - MyTable, 40
- yada.tcl, 279
- YadaAbout, 56
  - YadaAbout, 56
- YadaAbout
  - YadaAbout, 56
- YadaConfig, 57
  - YadaConfig, 58
- YadaConfig
  - \_activateDocument, 59
  - \_isInitialized, 62
  - \_lastModificationTime, 62
  - activationHandle, 59
  - askNewLoad, 59
  - backward, 59
  - deActivationHandle, 59
  - displayTitle, 59
  - document, 59
  - forward, 59
  - hasSavedState, 60
  - hasView, 62
  - init, 60
  - isModified, 60
  - lastChanged, 60
  - load, 60
  - name, 62
  - newDocument, 60
  - nextDocument, 62
  - prevDocument, 62
  - resetModified, 61
  - save, 61
  - setModified, 61
  - setToggle, 61
  - updateModificationTime, 61
  - YadaConfig, 58
- YadaConfigDocument, 63
  - YadaConfigDocument, 65
- YadaConfigDocument
  - ~YadaConfigDocument, 65
  - \_askChange, 65
  - \_commit, 65
  - \_getMarked, 65
  - \_isInitialized, 70
  - \_lastModificationTime, 70
  - \_mark, 65
  - \_next, 65
  - \_prev, 66
  - \_selectCommand, 66
  - \_setCounter, 66
  - \_undo, 66
  - \_unmark, 66
  - \_validateCommand, 66
  - activationHandle, 66
  - deActivationHandle, 67
  - displayTitle, 67
  - getAllItemNames, 67
  - getAllItems, 67
  - getCurrentItem, 67
  - getItem, 67
  - getItemNo, 68
  - hasSavedState, 68
  - hasView, 70
  - init, 68
  - isModified, 68
  - lastChanged, 68
  - load, 68
  - name, 70
  - resetModified, 69
  - save, 69
  - setCurrentItem, 69
  - setItem, 69
  - setModified, 69
  - setToggle, 69
  - unsetItem, 69
  - updateModificationTime, 70
  - YadaConfigDocument, 65
- YadaConfigItem, 71
- YadaConfigItem
  - displayTitle, 72
  - hasSavedState, 72
  - isModified, 72
  - load, 72
  - resetModified, 72
  - save, 72

- setModified, 72
- YadaConfiguration - managing configurations, 16
- YadaDifference, 73
  - YadaDifference, 77
- YadaDifference
  - \_analyseDocument, 77, 78
  - \_analyseResult, 87
  - \_clearRow, 78
  - \_computeSpeedup, 78
  - \_computeStatistics, 78
  - \_deleteData, 78
  - \_doneWordgraph, 88
  - \_getActiveWordgraphs, 78
  - \_getDoneWork, 78
  - \_getJudgeOfRow, 78
  - \_getRowOfWordgraph, 79
  - \_getSelectedExperiment, 79
  - \_getSelectedExperiments, 79
  - \_getSelectedWork, 79
  - \_getTypeOfColumn, 79
  - \_getUndoneWork, 79
  - \_getWordgraphs, 79
  - \_getXMLFileName, 80
  - \_gotBreak, 88
  - \_insertData, 80
  - \_isInitialized, 88
  - \_isRunning, 88
  - \_jobConsumer, 80
  - \_judgeData, 80
  - \_judgeRow, 80
  - \_lastModificationTime, 88
  - \_registerJob, 80
  - \_resetDataOf, 80
  - \_selectedContextWordgraph, 88
  - \_showContextMenu, 81
  - \_traceProcess, 81
  - \_unregisterJob, 81
  - \_viewLogfile, 81
  - \_viewXmlfile, 81
  - activationHandle, 82
  - askNewLoad, 82
  - askRunall, 82
  - backward, 82
  - breakJob, 82
  - clear, 82
  - deActivationHandle, 82
  - displayTitle, 83
  - forward, 83
  - hasSavedState, 83
  - hasView, 88
  - init, 83
  - interruptJobs, 83
  - isModified, 83
  - killJob, 84
  - lastChanged, 84
  - load, 84
  - loadUpdatedWordgraphs, 84
  - markWordgraph, 84
  - name, 88
  - newDocument, 84
  - nextDocument, 89
  - prevDocument, 89
  - print, 84
  - reload, 85
  - resetModified, 85
  - resortRows, 85
  - run, 85
  - runall, 85
  - save, 85, 86
  - selectedExperiment, 89
  - selectExperiment, 86
  - setModified, 86
  - setToggle, 86
  - sortRows, 86
  - step, 86
  - termJob, 87
  - unbreakJob, 87
  - unmarkWordgraph, 87
  - updateModificationTime, 87
  - YadaDifference, 77
- YadaDocument, 90
  - YadaDocument, 91
- YadaDocument
  - ~YadaDocument, 91
  - \_isInitialized, 94
  - \_lastModificationTime, 94
  - \_statusFlag, 95
  - \_toolbarFlag, 95
  - activationHandle, 92
  - askNewLoad, 92
  - backward, 92
  - deActivationHandle, 92
  - displayTitle, 92
  - forward, 92
  - hasSavedState, 93
  - hasView, 95
  - init, 93
  - isModified, 93
  - lastChanged, 93
  - load, 93
  - name, 95
  - newDocument, 93
  - nextDocument, 95
  - prevDocument, 95
  - resetModified, 93
  - save, 94
  - setModified, 94

- setToggle, 94
  - updateModificationTime, 94
  - YadaDocument, 91
- YadaDocuments - embedded objects, 15
- YadaExperiment, 97
  - YadaExperiment, 99
- YadaExperiment
  - command, 100
  - dataDir, 100
  - displayTitle, 99
  - grammarName, 100
  - hasSavedState, 99
  - isActive, 100
  - isComplete, 100
  - isModified, 99
  - isUpToDate, 100
  - labelledHits, 100
  - lexicalHits, 100
  - load, 99
  - machineName, 101
  - printCommand, 101
  - resetModified, 99
  - save, 99
  - script, 101
  - setModified, 99
  - strictHits, 101
  - structHits, 101
  - totalScore, 101
  - totalSoftTime, 101
  - totalSolTime, 101
  - totalTime, 101
  - totalTries, 102
  - type, 102
  - YadaExperiment, 99
- YadaExperiments, 103
  - YadaExperiments, 105
- YadaExperiments
  - \_askChange, 105
  - \_checkExperiment, 105
  - \_commit, 105
  - \_dataDirChooser, 105
  - \_defaults, 105
  - \_delete, 106
  - \_getMarked, 106
  - \_isInitialized, 110
  - \_lastModificationTime, 110
  - \_mark, 106
  - \_new, 106
  - \_select, 106
  - \_unmark, 106
  - \_validateCommand, 107
  - activationHandle, 107
  - deActivationHandle, 107
  - displayTitle, 107
  - getActiveExperiments, 107
  - getAllItemNames, 107
  - getAllItems, 107
  - getCurrentItem, 108
  - getItem, 108
  - getItemNo, 108
  - hasSavedState, 108
  - hasView, 110
  - init, 108
  - isModified, 108
  - lastChanged, 109
  - load, 109
  - name, 110
  - resetModified, 109
  - save, 109
  - setCurrentItem, 109
  - setItem, 109
  - setModified, 109
  - setToggle, 110
  - unsetItem, 110
  - updateModificationTime, 110
  - YadaExperiments, 105
- YadaGenerals, 112
  - YadaGenerals, 113
- YadaGenerals
  - \_commit, 113
  - \_isInitialized, 116
  - \_lastModificationTime, 116
  - activationHandle, 113
  - deActivationHandle, 114
  - displayTitle, 114
  - editor, 116
  - fromDOM, 114
  - getPersistanceFileName, 114
  - hasSavedState, 114
  - hasView, 116
  - init, 114
  - isModified, 115
  - lastChanged, 115
  - load, 115
  - name, 117
  - resetModified, 115
  - save, 115
  - setModified, 115
  - setToggle, 116
  - significance, 117
  - timeTolerance, 117
  - toDOM, 116
  - updateModificationTime, 116
  - weirdness, 117
  - YadaGenerals, 113
- YadaGlsStats, 118
  - YadaGlsStats, 121
- YadaGlsStats

- [\\_analyseDocument, 121](#)
- [\\_analyseResult, 130](#)
- [\\_clearRow, 121](#)
- [\\_computeSpeedup, 121](#)
- [\\_computeStatistics, 122](#)
- [\\_deleteData, 122](#)
- [\\_doneWordgraph, 130](#)
- [\\_getActiveWordgraphs, 122](#)
- [\\_getDoneWork, 122](#)
- [\\_getRowOfWordgraph, 122](#)
- [\\_getSelectedExperiment, 122](#)
- [\\_getSelectedWork, 122](#)
- [\\_getTypeOfColumn, 123](#)
- [\\_getUndoneWork, 123](#)
- [\\_getWordgraphs, 123](#)
- [\\_getXMLFileName, 123](#)
- [\\_gotBreak, 130](#)
- [\\_insertData, 123](#)
- [\\_isInitialized, 130](#)
- [\\_isRunning, 130](#)
- [\\_jobConsumer, 123](#)
- [\\_judgeRow, 123](#)
- [\\_lastModificationTime, 131](#)
- [\\_registerJob, 123](#)
- [\\_resetDataOf, 124](#)
- [\\_selectedContextWordgraph, 131](#)
- [\\_showContextMenu, 124](#)
- [\\_showStatistics, 124](#)
- [\\_traceProcess, 124](#)
- [\\_unregisterJob, 124](#)
- [\\_viewLogfile, 124](#)
- [\\_viewXmlfile, 124](#)
- [activationHandle, 125](#)
- [askNewLoad, 125](#)
- [askRunall, 125](#)
- [backward, 125](#)
- [breakJob, 125](#)
- [clear, 125](#)
- [deActivationHandle, 125](#)
- [displayTitle, 126](#)
- [forward, 126](#)
- [hasSavedState, 126](#)
- [hasView, 131](#)
- [init, 126](#)
- [interruptJobs, 126](#)
- [isModified, 126](#)
- [killJob, 126](#)
- [lastChanged, 127](#)
- [load, 127](#)
- [loadUpdatedWordgraphs, 127](#)
- [markWordgraph, 127](#)
- [name, 131](#)
- [newDocument, 127](#)
- [nextDocument, 131](#)
- [prevDocument, 131](#)
- [print, 127](#)
- [reload, 127](#)
- [resetModified, 128](#)
- [resortRows, 128](#)
- [run, 128](#)
- [runall, 128](#)
- [save, 128](#)
- [selectedExperiment, 131](#)
- [selectExperiment, 128](#)
- [setModified, 128](#)
- [setToggle, 129](#)
- [sortRows, 129](#)
- [step, 129](#)
- [termJob, 129](#)
- [unbreakJob, 129](#)
- [unmarkWordgraph, 129](#)
- [updateModificationTime, 129](#)
- [YadaGlsStats, 121](#)
- [YadaGrammar, 133](#)
  - [YadaGrammar, 134](#)
- [YadaGrammar](#)
  - [~YadaGrammar, 134](#)
  - [\\_isUpToDate, 137](#)
  - [\\_selected, 137](#)
  - [\\_selection, 137](#)
  - [\\_wordgraphs, 137](#)
  - [clone, 134](#)
  - [deleteWordgraphs, 134](#)
  - [displayTitle, 135](#)
  - [files, 137](#)
  - [fromDOM, 135](#)
  - [getPersistanceFileName, 135](#)
  - [getSelection, 135](#)
  - [getWordgraph, 135](#)
  - [getWordgraphs, 135](#)
  - [hasSavedState, 135](#)
  - [isModified, 135](#)
  - [isUpToDate, 136](#)
  - [load, 136](#)
  - [persistenceFileInSync, 136](#)
  - [rescan, 136](#)
  - [resetModified, 136](#)
  - [save, 136](#)
  - [scan, 136](#)
  - [setModified, 136](#)
  - [setSelection, 136](#)
  - [setWordgraph, 137](#)
  - [toDOM, 137](#)
  - [YadaGrammar, 134](#)
- [YadaGrammars, 139](#)
  - [YadaGrammars, 141](#)
- [YadaGrammars](#)
  - [\\_askChange, 141](#)

- [\\_commit](#), 141
- [\\_defaults](#), 141
- [\\_delete](#), 142
- [\\_editGrammar](#), 142
- [\\_escapeCommand](#), 142
- [\\_fileChooser](#), 142
- [\\_getMarked](#), 142
- [\\_getSelectedWordgraphs](#), 142
- [\\_invertWordgraphs](#), 142
- [\\_isInitialized](#), 148
- [\\_lastModificationTime](#), 148
- [\\_leaveTableCommand](#), 142
- [\\_lengthSelection](#), 143
- [\\_mark](#), 143
- [\\_new](#), 143
- [\\_randomSelection](#), 143
- [\\_rescanGrammar](#), 143
- [\\_returnCommand](#), 144
- [\\_select](#), 144
- [\\_selectWordgraphs](#), 144
- [\\_show](#), 144
- [\\_unmark](#), 144
- [\\_unselectWordgraphs](#), 144
- [\\_validateCommand](#), 144
- [activationHandle](#), 145
- [deActivationHandle](#), 145
- [displayTitle](#), 145
- [getAllItemNames](#), 145
- [getAllItems](#), 145
- [getCurrentItem](#), 145
- [getItem](#), 146
- [getItemNo](#), 146
- [hasSavedState](#), 146
- [hasView](#), 148
- [init](#), 146
- [isModified](#), 146
- [isValidPersistenceFile](#), 146
- [lastChanged](#), 147
- [load](#), 147
- [loadNonTclGrammars](#), 147
- [name](#), 148
- [resetModified](#), 147
- [save](#), 147
- [setCurrentItem](#), 147
- [setItem](#), 147
- [setModified](#), 147
- [setToggle](#), 148
- [unsetItem](#), 148
- [updateModificationTime](#), 148
- [YadaGrammars](#), 141
- [YadaImages](#), 150
- [YadaImages](#)
  - [\\_images](#), 150
  - [get](#), 150
- [YadaJob](#), 151
  - [YadaJob](#), 152
- [YadaJob](#)
  - [~YadaJob](#), 152
  - [\\_passedStates](#), 153
  - [\\_state](#), 153
  - [consumerCommand](#), 153
  - [experiment](#), 153
  - [getPassedStates](#), 152
  - [getState](#), 152
  - [hasPassedState](#), 152
  - [machine](#), 153
  - [node](#), 153
  - [process](#), 153
  - [runner](#), 154
  - [setState](#), 152
  - [wordgraphName](#), 154
  - [YadaJob](#), 152
- [YadaJudgeBar](#), 155
  - [YadaJudgeBar](#), 157
- [YadaJudgeBar](#)
  - [\\_judgeEnter](#), 157
  - [\\_judgeLeave](#), 157
  - [draw](#), 157
  - [YadaJudgeBar](#), 157
- [YadaLog](#), 158
  - [YadaLog](#), 159
- [YadaLog](#)
  - [\\_needsLineFeed](#), 159
  - [\\_tagging](#), 159
  - [autotag](#), 159
  - [clear](#), 159
  - [followData](#), 159
  - [print](#), 159
  - [YadaLog](#), 159
- [YadaMachine](#), 161
  - [YadaMachine](#), 162
- [YadaMachine](#)
  - [~YadaMachine](#), 162
  - [\\_addTime](#), 163
  - [\\_getNextNode](#), 163
  - [\\_jobQueue](#), 165
  - [\\_jobsOnNode](#), 165
  - [\\_noComputedJobs](#), 165
  - [\\_runQueue](#), 165
  - [\\_startJob](#), 163
  - [\\_timePerJob](#), 166
  - [\\_timerOfJob](#), 166
  - [access](#), 166
  - [cpus](#), 166
  - [displayTitle](#), 163
  - [fromDOM](#), 163
  - [getLoad](#), 163
  - [getPersistenceFileName](#), 163

- getTimePerJob, 164
- hasSavedState, 164
- isModified, 164
- load, 164
- nodes, 166
- queueJob, 164
- resetModified, 164
- save, 164
- setModified, 164
- startJob, 165
- stopJob, 165
- toDOM, 165
- wait, 165
- YadaMachine, 162
- YadaMachines, 167
  - YadaMachines, 169
- YadaMachines
  - \_askChange, 169
  - \_commit, 169
  - \_defaults, 169
  - \_delete, 169
  - \_getMarked, 169
  - \_isInitialized, 174
  - \_lastModificationTime, 174
  - \_mark, 169
  - \_new, 170
  - \_select, 170
  - \_unmark, 170
  - \_validateCommand, 170
  - activationHandle, 170
  - deActivationHandle, 170
  - displayTitle, 171
  - getAllItemNames, 171
  - getAllItems, 171
  - getCurrentItem, 171
  - getItem, 171
  - getItemNo, 171
  - hasSavedState, 172
  - hasView, 174
  - init, 172
  - isModified, 172
  - lastChanged, 172
  - load, 172
  - name, 174
  - resetModified, 172
  - save, 172
  - setCurrentItem, 173
  - setItem, 173
  - setModified, 173
  - setToggle, 173
  - unsetItem, 173
  - updateModificationTime, 173
  - YadaMachines, 169
- YadaMain, 175
  - YadaMain, 177
- YadaMain
  - ~YadaMain, 177
  - \_about, 177
  - \_currentDocument, 181
  - \_currentDocumentName, 181
  - \_currentToolbar, 182
  - \_firstDocument, 182
  - \_lastDocument, 182
  - \_registeredDocument, 182
  - \_status, 182
  - \_statusFlag, 182
  - \_toolbarFlag, 182
  - activateDocument, 177
  - document, 177
  - getActiveExperiments, 178
  - getDocument, 178
  - getDocuments, 178
  - getEditor, 178
  - getExperiment, 178
  - getExperimentNames, 178
  - getExperiments, 178
  - getGrammar, 178
  - getGrammarNames, 179
  - getGrammarOfExperiment, 179
  - getGrammars, 179
  - getMachine, 179
  - getMachineNames, 179
  - getMachines, 179
  - getPersistenceFileNameForExperiment, 179
  - getPersistenceFileNameForGrammar, 179
  - getPersistenceFileNameForMachine, 179
  - getPersistenceFileNameForMisc, 180
  - getPersistenceFileNameForRanking, 180
  - getPersistenceFileNameForRunner, 180
  - getSignificance, 180
  - getTimeTolerance, 180
  - getToggle, 180
  - getWeirdness, 180
  - getWordgraphsOfExperiment, 180
  - init, 180
  - newDocument, 181
  - printStatus, 181
  - quit, 181
  - registerDocument, 181
  - setToggle, 181
  - unregisterDocument, 181
  - YadaMain, 177
- YadaMethod, 183
  - YadaMethod, 184
- YadaMethod
  - apply, 185
  - check, 185

- clone, 185
- command, 187
- dataDir, 187
- displayTitle, 185
- getDocFileName, 185
- getLogFileName, 185
- getXmlFileName, 185
- grammarName, 187
- hasSavedState, 186
- isActive, 187
- isComplete, 187
- isModified, 186
- isUpToDate, 187
- labelledHits, 187
- lexicalHits, 188
- load, 186
- machineName, 188
- name, 188
- print, 186
- printCommand, 188
- resetModified, 186
- resetStatistics, 186
- save, 186
- script, 188
- setModified, 187
- strictHits, 188
- structHits, 188
- totalScore, 188
- totalSoftTime, 189
- totalSolTime, 189
- totalTime, 189
- totalTries, 189
- type, 189
- YadaMethod, 184
- YadaMethods, 191
  - YadaMethods, 193
- YadaMethods
  - \_askChange, 193
  - \_checkMethod, 193
  - \_commit, 193
  - \_dataDirChooser, 193
  - \_defaults, 193
  - \_delete, 193
  - \_getMarked, 194
  - \_isInitialized, 198
  - \_lastModificationTime, 198
  - \_mark, 194
  - \_new, 194
  - \_select, 194
  - \_unmark, 194
  - \_validateCommand, 194
  - activationHandle, 195
  - deActivationHandle, 195
  - displayTitle, 195
  - getActiveMethods, 195
  - getAllItemNames, 195
  - getAllItems, 195
  - getCurrentItem, 195
  - getItem, 196
  - getItemNo, 196
  - hasSavedState, 196
  - hasView, 198
  - init, 196
  - isModified, 196
  - lastChanged, 196
  - load, 196
  - name, 198
  - resetModified, 197
  - save, 197
  - setCurrentItem, 197
  - setItem, 197
  - setModified, 197
  - setToggle, 197
  - unsetItem, 198
  - updateModificationTime, 198
  - YadaMethods, 193
- YadaOneOnOne, 199
  - YadaOneOnOne, 203
- YadaOneOnOne
  - \_analyseDocument, 203, 204
  - \_analyseResult, 213
  - \_clearRow, 204
  - \_computeSpeedup, 204
  - \_computeStatistics, 204
  - \_deleteData, 204
  - \_doneWordgraph, 214
  - \_getActiveWordgraphs, 204
  - \_getDoneWork, 204
  - \_getJudgeOfRow, 204
  - \_getRowOfWordgraph, 205
  - \_getSelectedExperiment, 205
  - \_getSelectedExperiments, 205
  - \_getSelectedWork, 205
  - \_getTypeOfColumn, 205
  - \_getUndoneWork, 205
  - \_getWordgraphs, 205
  - \_getXMLFileName, 206
  - \_gotBreak, 214
  - \_insertData, 206
  - \_isInitialized, 214
  - \_isRunning, 214
  - \_jobConsumer, 206
  - \_judgeData, 206
  - \_judgeRow, 206
  - \_lastModificationTime, 214
  - \_registerJob, 206
  - \_resetDataOf, 206
  - \_selectedContextWordgraph, 214

- [\\_showContextMenu](#), 207
  - [\\_traceProcess](#), 207
  - [\\_unregisterJob](#), 207
  - [\\_viewLogfile](#), 207
  - [\\_viewXmlfile](#), 207
- [activationHandle](#), 208
- [askNewLoad](#), 208
- [askRunall](#), 208
- [backward](#), 208
- [breakJob](#), 208
- [clear](#), 208
- [deActivationHandle](#), 208
- [displayTitle](#), 209
- [forward](#), 209
- [hasSavedState](#), 209
- [hasView](#), 214
- [init](#), 209
- [interruptJobs](#), 209
- [isModified](#), 209
- [killJob](#), 210
- [lastChanged](#), 210
- [load](#), 210
- [loadUpdatedWordgraphs](#), 210
- [markWordgraph](#), 210
- [name](#), 214
- [newDocument](#), 210
- [nextDocument](#), 215
- [prevDocument](#), 215
- [print](#), 210
- [reload](#), 211
- [resetModified](#), 211
- [resortRows](#), 211
- [run](#), 211
- [runall](#), 211
- [save](#), 211, 212
- [selectedExperiment](#), 215
- [selectExperiment](#), 212
- [setModified](#), 212
- [setToggle](#), 212
- [sortRows](#), 212
- [step](#), 212
- [termJob](#), 213
- [unbreakJob](#), 213
- [unmarkWordgraph](#), 213
- [updateModificationTime](#), 213
- [YadaOneOnOne](#), 203
- [YadaPlainDocument](#), 216
  - [YadaPlainDocument](#), 217
- [YadaPlainDocument](#)
  - [\\_isInitialized](#), 219
  - [\\_lastModificationTime](#), 219
  - [activationHandle](#), 217
  - [deActivationHandle](#), 217
  - [displayTitle](#), 217
  - [hasSavedState](#), 218
  - [hasView](#), 219
  - [init](#), 218
  - [isModified](#), 218
  - [lastChanged](#), 218
  - [load](#), 218
  - [name](#), 220
  - [resetModified](#), 218
  - [save](#), 219
  - [setModified](#), 219
  - [setToggle](#), 219
  - [updateModificationTime](#), 219
  - [YadaPlainDocument](#), 217
- [YadaProc.tcl](#), 280
- [YadaProc.tcl](#)
  - [getAllNotifications](#), 280
  - [getIndexOfName](#), 280
  - [printMessage](#), 281
  - [resetBusy](#), 281
  - [setBusy](#), 281
  - [timeToString](#), 281
- [YadaRanking](#), 221
  - [YadaRanking](#), 223
- [YadaRanking](#)
  - [~YadaRanking](#), 223
  - [\\_analyseDocument](#), 224
  - [\\_breakButtonAction](#), 224
  - [\\_computeStatistics](#), 224
  - [\\_escapeCommand](#), 224
  - [\\_getActiveWork](#), 224
  - [\\_getCurrentGrammar](#), 224
  - [\\_getDoneWork](#), 224
  - [\\_getRankingOfExperiment](#), 224
  - [\\_getRowOfExperimentName](#), 225
  - [\\_getSelectedWork](#), 225
  - [\\_getUndoneWork](#), 225
  - [\\_getWork](#), 225
  - [\\_insertData](#), 225
  - [\\_isInitialized](#), 231
  - [\\_lastModificationTime](#), 231
  - [\\_leaveTableCommand](#), 225
  - [\\_normalizeRankings](#), 225
  - [\\_returnCommand](#), 225
  - [\\_rowTagCommand](#), 225
  - [\\_selectFilter](#), 226
  - [\\_selectFilterCommand](#), 226
  - [\\_selectGrammar](#), 226
  - [\\_selectRanking](#), 226
  - [\\_selectRankingCommand](#), 226
  - [\\_setRankingOfExperiment](#), 226
  - [\\_showStatistics](#), 226
  - [\\_unsetRankingOfExperiment](#), 226
  - [activationHandle](#), 227
  - [askNewLoad](#), 227

- backward, [227](#)
- breakProcess, [227](#)
- clear, [227](#)
- deActivationHandle, [227](#)
- displayTitle, [227](#)
- forward, [227](#)
- fromDOM, [228](#)
- getPersistanceFileName, [228](#)
- hasSavedState, [228](#)
- hasView, [231](#)
- init, [228](#)
- interruptProcess, [228](#)
- isFollowData, [229](#)
- isModified, [229](#)
- lastChanged, [229](#)
- load, [229](#)
- name, [231](#)
- newDocument, [229](#)
- nextDocument, [232](#)
- prevDocument, [232](#)
- reload, [229](#)
- resetModified, [229](#)
- resortRows, [230](#)
- save, [230](#)
- setModified, [230](#)
- setToggle, [230](#)
- sortRows, [230](#)
- toDOM, [230](#)
- toggleFollowData, [231](#)
- unbreakProcess, [231](#)
- updateModificationTime, [231](#)
- YadaRanking, [223](#)
- YadaRunnableDocument, [233](#)
- YadaRunnableDocument, [236](#)
- YadaRunnableDocument
  - \_analyseDocument, [236](#)
  - \_analyseResult, [245](#)
  - \_breakButtonAction, [236](#)
  - \_clearLogFlag, [246](#)
  - \_clearRow, [236](#)
  - \_computeETA, [236](#)
  - \_computeSpeedup, [237](#)
  - \_computeStatistics, [237](#)
  - \_consoleFlag, [246](#)
  - \_currentJobs, [246](#)
  - \_deleteData, [237](#)
  - \_doneWordgraph, [246](#)
  - \_escapeCommand, [237](#)
  - \_followDataFlag, [246](#)
  - \_getActiveWordgraphs, [237](#)
  - \_getDoneWork, [237](#)
  - \_getRowOfWordgraph, [238](#)
  - \_getSelectedExperiment, [238](#)
  - \_getSelectedWork, [238](#)
  - \_getUndoneWork, [238](#)
  - \_getWordgraphs, [238](#)
  - \_getXMLFileName, [238](#)
  - \_gotBreak, [246](#)
  - \_insertData, [238](#)
  - \_isInitialized, [246](#)
  - \_isRunning, [246](#)
  - \_jobConsumer, [239](#)
  - \_lastModificationTime, [247](#)
  - \_lastSorting, [247](#)
  - \_leaveTableCommand, [239](#)
  - \_orientFlag, [247](#)
  - \_progressProcess, [247](#)
  - \_registerJob, [239](#)
  - \_resetDataOf, [239](#)
  - \_returnCommand, [239](#)
  - \_runButtonAction, [239](#)
  - \_selectedContextWordgraph, [247](#)
  - \_showContextMenu, [239](#)
  - \_tableFlag, [247](#)
  - \_timer, [247](#)
  - \_traceProcess, [239](#)
  - \_unregisterJob, [240](#)
  - \_viewLogfile, [240](#)
  - \_viewXmlfile, [240](#)
  - activationHandle, [240](#)
  - askNewLoad, [240](#)
  - askRunall, [240](#)
  - backward, [240](#)
  - breakJob, [241](#)
  - clear, [241](#)
  - deActivationHandle, [241](#)
  - displayTitle, [241](#)
  - forward, [241](#)
  - hasSavedState, [241](#)
  - hasView, [247](#)
  - init, [242](#)
  - interruptJobs, [242](#)
  - isModified, [242](#)
  - killJob, [242](#)
  - lastChanged, [242](#)
  - load, [242](#)
  - loadUpdatedWordgraphs, [242](#)
  - markWordgraph, [243](#)
  - name, [248](#)
  - newDocument, [243](#)
  - nextDocument, [248](#)
  - prevDocument, [248](#)
  - print, [243](#)
  - reload, [243](#)
  - resetModified, [243](#)
  - resortRows, [243](#)
  - run, [243](#)
  - runall, [244](#)

- save, 244
- selectedExperiment, 248
- selectExperiment, 244
- setModified, 244
- setToggle, 244
- sortRows, 244
- step, 244
- termJob, 245
- unbreakJob, 245
- unmarkWordgraph, 245
- updateModificationTime, 245
- YadaRunnableDocument, 236
- YadaRunnableDocuments - also called active documents, 17
- YadaRunner, 249
  - YadaRunner, 252
- YadaRunner
  - \_analyseDocument, 252, 253
  - \_analyseResult, 264
  - \_clearRow, 253
  - \_computeSpeedup, 253
  - \_computeStatistics, 253
  - \_deleteData, 253
  - \_doneWordgraph, 264
  - \_getActiveWordgraphs, 253
  - \_getDoneWork, 253
  - \_getLoadedWordgraphNames, 254
  - \_getRowOfWordgraph, 254
  - \_getSavedWordgraphNames, 254
  - \_getSelectedExperiment, 254
  - \_getSelectedWork, 254
  - \_getTypeOfColumn, 254
  - \_getUndoneWork, 254
  - \_getUpdatedWordgraphNames, 255
  - \_getWordgraphs, 255
  - \_getXMLFileName, 255
  - \_gotBreak, 264
  - \_insertData, 255
  - \_isInitialized, 264
  - \_isModified, 255
  - \_isRunning, 264
  - \_jobConsumer, 255
  - \_judgeRow, 256
  - \_lastModificationTime, 265
  - \_registerJob, 256
  - \_resetDataOf, 256
  - \_selectedContextWordgraph, 265
  - \_showContextMenu, 256
  - \_showStatistics, 256
  - \_toHtml, 256
  - \_traceProcess, 256
  - \_unregisterJob, 256
  - \_viewLogfile, 257
  - \_viewXmlfile, 257
  - activationHandle, 257
  - askNewLoad, 257
  - askRunall, 257
  - backward, 257
  - breakJob, 257
  - clear, 258
  - deActivationHandle, 258
  - displayTitle, 258
  - forward, 258
  - fromDOM, 258
  - getPersistenceFileName, 259
  - getTotalLabelRecall, 259
  - getTotalLexRecall, 259
  - getTotalScore, 259
  - getTotalSoftTime, 259
  - getTotalSolTime, 260
  - getTotalStructRecall, 260
  - getTotalTime, 260
  - hasSavedState, 260
  - hasView, 265
  - init, 260
  - interruptJobs, 260
  - isModified, 260
  - killJob, 260
  - lastChanged, 260
  - load, 261
  - loadUpdatedWordgraphs, 261
  - markWordgraph, 261
  - name, 265
  - newDocument, 261
  - nextDocument, 265
  - prevDocument, 265
  - print, 261
  - reload, 261
  - resetModified, 261
  - resortRows, 262
  - run, 262
  - runall, 262
  - save, 262
  - selectedExperiment, 265
  - selectExperiment, 262
  - setModified, 262
  - setToggle, 262
  - sortRows, 263
  - step, 263
  - termJob, 263
  - toDOM, 263
  - unbreakJob, 263
  - unmarkWordgraph, 263
  - updateModificationTime, 263
  - YadaRunner, 252
- YadaScheduler - the data workhorse, 18
- YadaStartUp, 267
  - YadaStartUp, 268

YadaStartUp  
  \_isInitialized, 271  
  \_lastModificationTime, 271  
  activationHandle, 269  
  askNewLoad, 269  
  backward, 269  
  deActivationHandle, 269  
  displayTitle, 269  
  forward, 269  
  hasSavedState, 269  
  hasView, 272  
  init, 270  
  isModified, 270  
  lastChanged, 270  
  load, 270  
  name, 272  
  newDocument, 270  
  nextDocument, 272  
  prevDocument, 272  
  resetModified, 270  
  save, 271  
  setModified, 271  
  setToggle, 271  
  updateModificationTime, 271  
  YadaStartUp, 268  
YadaWordgraph, 273  
  YadaWordgraph, 274  
YadaWordgraph  
  arcs, 275  
  clone, 274  
  file, 275  
  fromDOM, 274  
  getWords, 274  
  isSelected, 275  
  isTrivial, 275  
  lineNo, 275  
  name, 275  
  noAnnoEdges, 275  
  noAnnoWords, 275  
  readXmlAnno, 274  
  readXmlNode, 274  
  toDOM, 274  
  writeXmlNode, 274  
  YadaWordgraph, 274  
yview  
  MyTable, 40