

# Role Playing Database (API Documentation)

## 3.1.0b

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# Contents

<b>1</b>	<b>GNU GENERAL PUBLIC LICENSE</b>	<b>1</b>
<b>2</b>	<b>Module Index</b>	<b>7</b>
2.1	Modules . . . . .	7
<b>3</b>	<b>Namespace Index</b>	<b>9</b>
3.1	Namespace List . . . . .	9
<b>4</b>	<b>Class Index</b>	<b>11</b>
4.1	Class List . . . . .	11
<b>5</b>	<b>Module Documentation</b>	<b>13</b>
5.1	TclCommon . . . . .	13
5.1.1	Detailed Description . . . . .	13
5.1.2	Function Documentation . . . . .	13
5.1.2.1	DynamicHelp_include() . . . . .	13
5.2	RPGSuport . . . . .	14
5.2.1	Detailed Description . . . . .	14

<b>6 Namespace Documentation</b>	<b>15</b>
6.1 gettext Namespace Reference	15
6.1.1 Detailed Description	15
6.1.2 Package provided	15
6.1.3 Function Documentation	15
6.1.3.1 _()	15
6.1.3.2 _m()	16
6.1.3.3 _mx()	16
6.2 ReadConfiguration Namespace Reference	16
6.2.1 Detailed Description	16
6.2.2 Function Documentation	16
6.2.2.1 ConfigurationType()	16
6.2.2.2 IsEven()	17
6.2.2.3 ReadConfiguration()	17
6.2.2.4 WriteConfiguration()	18
6.3 RolePlayingDB3 Namespace Reference	18
6.3.1 Detailed Description	19
6.3.2 Function Documentation	19
6.3.2.1 GeneratePrintDialog()	19
6.3.2.2 LevelDirOption()	19
6.3.2.3 LevelEditorOption()	19
6.3.2.4 MapBundleMountPoint()	20
6.3.2.5 MapEditorOption()	20
6.3.2.6 OpenFilename()	20
6.3.2.7 SaveFilename()	20
6.3.2.8 SpaceFileOption()	20
6.4 vfs::rpg Namespace Reference	21
6.4.1 Detailed Description	21
6.4.2 Function Documentation	21
6.4.2.1 fail()	21
6.4.2.2 Mount()	21

<b>7</b>	<b>Class Documentation</b>	<b>23</b>
7.1	RolePlayingDB3::chroot_chooseDirectory Class Reference	23
7.1.1	Detailed Description	23
7.2	RolePlayingDB3::chroot_getFile Class Reference	23
7.2.1	Detailed Description	23
7.3	Dialog Class Reference	23
7.3.1	Detailed Description	23
7.4	DynamicHelp Class Reference	24
7.4.1	Detailed Description	24
7.4.2	Member Function Documentation	24
7.4.2.1	add()	24
7.4.2.2	configure()	25
7.4.2.3	delete()	25
7.4.2.4	register()	25
7.5	RolePlayingDB3::Graphic Class Reference	26
7.5.1	Detailed Description	26
7.5.2	Constructor & Destructor Documentation	26
7.5.2.1	Graphic()	26
7.5.3	Member Function Documentation	26
7.5.3.1	getimage()	27
7.6	IconBitmap Class Reference	27
7.6.1	Detailed Description	27
7.6.2	Member Function Documentation	27
7.6.2.1	bitmap()	27
7.7	IconImage Class Reference	28
7.7.1	Detailed Description	28
7.7.2	Member Function Documentation	28
7.7.2.1	image()	28

7.8	RolePlayingDB3::LabeledDirTree Class Reference	28
7.8.1	Detailed Description	29
7.8.2	Constructor & Destructor Documentation	29
7.8.2.1	LabeledDirTree()	29
7.8.3	Member Function Documentation	30
7.8.3.1	binditem()	30
7.8.3.2	itemcget()	30
7.8.3.3	redrawdirtree()	31
7.9	RolePlayingDB3::LabeledScrolledText Class Reference	31
7.9.1	Detailed Description	31
7.9.2	Constructor & Destructor Documentation	31
7.9.2.1	LabeledScrolledText()	31
7.9.3	Member Function Documentation	32
7.9.3.1	bind()	32
7.10	RolePlayingDB3::LevelEditor Class Reference	32
7.10.1	Detailed Description	33
7.10.2	Constructor & Destructor Documentation	33
7.10.2.1	LevelEditor()	33
7.10.3	Member Function Documentation	33
7.10.3.1	checksave()	33
7.10.3.2	close()	34
7.10.3.3	drawonespace()	34
7.10.3.4	drawspace()	34
7.10.3.5	new() [1/2]	35
7.10.3.6	new() [2/2]	35
7.10.3.7	open() [1/2]	35
7.10.3.8	open() [2/2]	36
7.10.3.9	print()	36

7.10.3.10 printLevel()	36
7.10.3.11 recreateXML()	37
7.10.3.12 removeeditor()	37
7.10.3.13 rescalelevelmap()	37
7.10.3.14 save()	37
7.10.3.15 saveas()	38
7.10.3.16 setspaceposition()	38
7.10.3.17 updatelevelmap()	38
7.10.3.18 updatelevelmapcolor()	38
7.10.3.19 updateleveltree()	39
7.10.3.20 updatemediatree() [1/2]	39
7.10.3.21 updatemediatree() [2/2]	39
7.10.3.22 updatespacetree()	39
7.11 RolePlayingDB3::MapEditor Class Reference	40
7.11.1 Detailed Description	40
7.11.2 Constructor & Destructor Documentation	40
7.11.2.1 MapEditor()	40
7.11.3 Member Function Documentation	41
7.11.3.1 _createEditDialog()	41
7.11.3.2 close()	41
7.11.3.3 drawspace()	41
7.11.3.4 edit()	42
7.11.3.5 new() [1/2]	42
7.11.3.6 new() [2/2]	42
7.11.3.7 open()	43
7.11.3.8 openfile()	43
7.11.3.9 opennew()	43
7.11.3.10 openold()	43

7.11.3.11 print()	44
7.11.3.12 recreateXML()	44
7.11.3.13 save()	44
7.11.3.14 saveas()	44
7.11.3.15 scaleXY()	44
7.11.3.16 unscaleXY()	45
7.11.3.17 updateleveltree()	45
7.11.3.18 updatemediatree()	46
7.12 ParseXML Class Reference	46
7.12.1 Detailed Description	46
7.12.2 Constructor & Destructor Documentation	46
7.12.2.1 ParseXML()	46
7.12.2.2 ~ParseXML()	47
7.12.3 Member Function Documentation	47
7.12.3.1 displayTree()	47
7.12.3.2 TopContainer()	47
7.12.3.3 validate()	48
7.13 RolePlayingDB3::PrintDialog Class Reference	48
7.13.1 Detailed Description	48
7.13.2 Member Function Documentation	49
7.13.2.1 printprogress_end()	49
7.13.2.2 printprogress_setpageno()	49
7.13.2.3 printprogress_start()	49
7.14 vfs::rpg::RPGDirent Class Reference	49
7.14.1 Detailed Description	50
7.14.2 Constructor & Destructor Documentation	50
7.14.2.1 RPGDirent()	50
7.14.2.2 ~RPGDirent()	51



7.14.3	Member Function Documentation	51
7.14.3.1	AddNewDirent()	51
7.14.3.2	GetDirents()	52
7.14.3.3	LookupMatch()	52
7.14.3.4	LookupName()	52
7.14.3.5	NumDirents()	53
7.14.3.6	RemoveDirent()	53
7.15	vfs::rpg::RPGFileSystem Class Reference	54
7.15.1	Detailed Description	54
7.15.2	Constructor & Destructor Documentation	54
7.15.2.1	RPGFileSystem()	54
7.15.2.2	~RPGFileSystem()	55
7.16	RolePlayingDB3::ScrolledCanvas Class Reference	55
7.16.1	Detailed Description	55
7.16.2	Constructor & Destructor Documentation	55
7.16.2.1	ScrolledCanvas()	55
7.16.3	Member Function Documentation	56
7.16.3.1	bindcanvas()	56
7.17	RolePlayingDB3::ScrolledList Class Reference	56
7.17.1	Detailed Description	57
7.17.2	Constructor & Destructor Documentation	57
7.17.2.1	ScrolledList()	57
7.17.3	Member Function Documentation	57
7.17.3.1	insert()	57
7.17.3.2	itemcget()	58
7.17.3.3	items()	58
7.18	RolePlayingDB3::SheetEdit Class Reference	58
7.18.1	Detailed Description	59

7.18.2	Constructor & Destructor Documentation	59
7.18.2.1	SheetEdit()	59
7.18.3	Member Function Documentation	59
7.18.3.1	close()	59
7.18.3.2	edit()	60
7.18.3.3	getfile()	60
7.18.3.4	new() [1/2]	60
7.18.3.5	new() [2/2]	61
7.18.3.6	open() [1/2]	61
7.18.3.7	open() [2/2]	61
7.18.3.8	openfile()	61
7.18.3.9	opennew()	62
7.18.3.10	openold()	62
7.18.3.11	print()	62
7.18.3.12	recreateXML()	62
7.18.3.13	save()	63
7.18.3.14	saveas()	63
7.19	SimpleDOMEElement Class Reference	63
7.19.1	Detailed Description	64
7.19.2	Constructor & Destructor Documentation	64
7.19.2.1	SimpleDOMEElement()	64
7.19.2.2	~SimpleDOMEElement()	64
7.19.3	Member Function Documentation	65
7.19.3.1	addchild()	65
7.19.3.2	appenddata()	65
7.19.3.3	attribute()	65
7.19.3.4	children()	66
7.19.3.5	data()	66

7.19.3.6	<a href="#">display()</a>	66
7.19.3.7	<a href="#">getElementsById()</a>	67
7.19.3.8	<a href="#">getElementsByTagName()</a>	67
7.19.3.9	<a href="#">getParent()</a>	67
7.19.3.10	<a href="#">isChild()</a>	68
7.19.3.11	<a href="#">length()</a>	68
7.19.3.12	<a href="#">removeChild()</a>	68
7.19.3.13	<a href="#">replaceChildren()</a>	69
7.19.3.14	<a href="#">setAttribute()</a>	69
7.19.3.15	<a href="#">setdata()</a>	69
7.19.3.16	<a href="#">validate()</a>	70
7.20	<a href="#">RolePlayingDB3::SpaceEditor Class Reference</a>	70
7.20.1	<a href="#">Detailed Description</a>	71
7.20.2	<a href="#">Constructor &amp; Destructor Documentation</a>	71
7.20.2.1	<a href="#">SpaceEditor()</a>	71
7.20.3	<a href="#">Member Function Documentation</a>	71
7.20.3.1	<a href="#">checksave()</a>	71
7.20.3.2	<a href="#">close()</a>	72
7.20.3.3	<a href="#">colorchanged()</a>	72
7.20.3.4	<a href="#">getcolor()</a>	72
7.20.3.5	<a href="#">getspacefile()</a>	72
7.20.3.6	<a href="#">new() [1/2]</a>	73
7.20.3.7	<a href="#">new() [2/2]</a>	73
7.20.3.8	<a href="#">open() [1/2]</a>	73
7.20.3.9	<a href="#">open() [2/2]</a>	73
7.20.3.10	<a href="#">print()</a>	74
7.20.3.11	<a href="#">printSpace()</a>	74
7.20.3.12	<a href="#">recreateXML()</a>	75

7.20.3.13 redrawspace()	75
7.20.3.14 save()	75
7.20.3.15 saveas()	75
7.20.3.16 setdirty()	76
7.21 RolePlayingDB3::Template Class Reference	76
7.21.1 Detailed Description	76
7.21.2 Constructor & Destructor Documentation	76
7.21.2.1 Template()	76
7.21.3 Member Function Documentation	77
7.21.3.1 close()	77
7.21.3.2 edit()	77
7.21.3.3 getfile()	77
7.21.3.4 new() [1/2]	77
7.21.3.5 new() [2/2]	78
7.21.3.6 newPDFPage()	78
7.21.3.7 open() [1/2]	78
7.21.3.8 open() [2/2]	79
7.21.3.9 openfile()	79
7.21.3.10 opennew()	79
7.21.3.11 openold()	79
7.21.3.12 outputXMLToPDF()	80
7.21.3.13 print()	80
7.21.3.14 rescantemplates()	80
7.21.3.15 save()	80
7.21.3.16 saveas()	80
7.22 RolePlayingDB3::XMLContentEditor Class Reference	81
7.22.1 Detailed Description	81
7.22.2 Constructor & Destructor Documentation	81
7.22.2.1 XMLContentEditor()	81
7.22.2.2 ~XMLContentEditor()	82
7.22.3 Member Function Documentation	82
7.22.3.1 bcmdmethod()	82
7.22.3.2 ExtractTagValue()	83
7.22.3.3 getElementWidgetById()	83
7.22.3.4 getlineno()	83
7.22.3.5 getpageno()	84
7.22.3.6 outputXMLToPDF()	84
7.22.3.7 recreateXML()	84

CONTENTS	xi
Bibliography	85
Index	85



# Chapter 1

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# Chapter 2

## Module Index

### 2.1 Modules

Here is a list of all modules:

TclCommon . . . . .	13
RPGSupport . . . . .	14



## Chapter 3

# Namespace Index

### 3.1 Namespace List

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

<a href="#">gettext</a>	15
<a href="#">ReadConfiguration</a>	16
<a href="#">RolePlayingDB3</a>	18
<a href="#">vfs::rpg</a>	21





## Chapter 4

# Class Index

### 4.1 Class List

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

<a href="#">RolePlayingDB3::chroot_chooseDirectory</a>	23
<a href="#">RolePlayingDB3::chroot_getFile</a>	23
<a href="#">Dialog</a>	23
<a href="#">DynamicHelp</a>	24
<a href="#">RolePlayingDB3::Graphic</a>	26
<a href="#">IconBitmap</a>	27
<a href="#">IconImage</a>	28
<a href="#">RolePlayingDB3::LabeledDirTree</a>	28
<a href="#">RolePlayingDB3::LabeledScrolledText</a>	31
<a href="#">RolePlayingDB3::LevelEditor</a>	32
<a href="#">RolePlayingDB3::MapEditor</a>	40
<a href="#">ParseXML</a>	
Class to hold an XML tree. This class parses an XML string and stores the result as a DOM Element tree	46
<a href="#">RolePlayingDB3::PrintDialog</a>	48
<a href="#">vfs::rpg::RPGDirent</a>	
A Directory Entry Holds information about a file or directory. Only the bare minimum information is kept: name, mod time, list of files (directories only), mode (permissions), offset (files only), and size (files only)	49
<a href="#">vfs::rpg::RPGFileSystem</a>	
The filesystem class. This is the class that implements a simple Virtual Filesystem for internal use by the Roleplaying Database program. It stores the working version of the RPG DB bundle which is normally stored as a ZIP file. It is a basic and simple file system, using a backing file as temporary file system storage	54
<a href="#">RolePlayingDB3::ScrolledCanvas</a>	55
<a href="#">RolePlayingDB3::ScrolledList</a>	56
<a href="#">RolePlayingDB3::SheetEdit</a>	58
<a href="#">SimpleDOMElement</a>	
A simple DOM element coded in Tcl using SNIT. This class implements a simplified DOM element, that implements the getElementsByTagName and getElementsById methods, along with accessors to get data, attributes, and children of XML elements	63
<a href="#">RolePlayingDB3::SpaceEditor</a>	70
<a href="#">RolePlayingDB3::Template</a>	76
<a href="#">RolePlayingDB3::XMLContentEditor</a>	81



## Chapter 5

# Module Documentation

### 5.1 TclCommon

#### Namespaces

- [gettext](#)
- [ReadConfiguration](#)

#### Classes

- class [DynamicHelp](#)
- class [IconImage](#)
- class [IconBitmap](#)
- class [SimpleDOMElement](#)

*A simple DOM element coded in Tcl using SNIT. This class implements a simplified DOM element, that implements the `getElementsByTagName` and `getElementsById` methods, along with accessors to get data, attributes, and children of XML elements.*

- class [ParseXML](#)

*Class to hold an XML tree. This class parses an XML string and stores the result as a DOM Element tree.*

#### Functions

- [DynamicHelp\\_include](#) (type)

#### 5.1.1 Detailed Description

#### 5.1.2 Function Documentation

##### 5.1.2.1 `DynamicHelp_include()`

```
DynamicHelp_include (
    type )
```

Macro to add Dynamic Help Add options and support for Dynamic Help to widgets.

## 5.2 RPGSupport

### Namespaces

- [vfs::rpg](#)
- [RolePlayingDB3](#)

### 5.2.1 Detailed Description

## Chapter 6

# Namespace Documentation

### 6.1 gettext Namespace Reference

#### Functions

- [\\_m](#) (msgid,...)
- [\\_mx](#) (...)
- [\\_](#) (...)

#### 6.1.1 Detailed Description

Localization functions. Functions to fetch localized messages from the message catalog.

#### Author

Robert Heller <heller@deepsoft.com>

#### 6.1.2 Package provided

gettext 1.0

#### 6.1.3 Function Documentation

##### 6.1.3.1 [\\_\(\)](#)

```
gettext::_ (
    ... )
```

Get a localized from the message catalog and deal with formatting possible arguments, by calling `::msgcat::mc`.

### 6.1.3.2 `_m()`

```
gettext::_m (
    msgid ,
    ... )
```

Handle messages with a context hint prefix (eg Label|lab).

### 6.1.3.3 `_mx()`

```
gettext::_mx (
    ... )
```

Get maxlen of a set of messages with a context hint prefix. Used to compute label widths.

## 6.2 ReadConfiguration Namespace Reference

### Functions

- [ReadConfiguration](#) (filename, configurationArrayName)
- [IsEven](#) (i)
- [WriteConfiguration](#) (filename, configurationArrayName)
- [ConfigurationType](#) (...)

### 6.2.1 Detailed Description

The Read Configuration File code is contained in this namespace.

### 6.2.2 Function Documentation

#### 6.2.2.1 `ConfigurationType()`

```
ReadConfiguration::ConfigurationType (
    ... )
```

This macro defines the body of a `snit::type` that implements a program's global configuration (or preferences). The argument list is a set of configuration variable definition lists. Each list contains four elements: the label, the key list name (a one or two element list), the type (one of directory, infile, outfile, string, enumerated, integer, double, or color), and the default value. Enumerated types have an additional (fifth) element, the set of possible values. Numerical types (double and integer) have a range of values as a fifth element. This macro should only be called inside a `snit::type` definition.

The configuration (aka preferences) are stored in the user's home directory. The file name under UNIX (including Mac↔OSX) starts with a dot and contains the application rootname (from `argv0`). Under MS-Windows, the file name does not start with a dot. Instead `.rc` is appended.

**Parameters**

...	The configuration variable definitions.
-----	---

Type methods defined:

- load Load the configuration.
- save Save the configuration.
- edit Edit the configuration with a popup dialog.
- getkeyoption Get a keyed option. Takes two arguments.
- getoption Get a non-keyed option. Takes one argument.
- getanonymous Gets the anonymous option. Takes no arguments.

**6.2.2.2 IsEven()**

```
ReadConfiguration::IsEven (
    i )
```

Check if a number is even.

**Parameters**

<i>i</i>	The number to check.
----------	----------------------

**Returns**

a boolean.

**6.2.2.3 ReadConfiguration()**

```
ReadConfiguration::ReadConfiguration (
    filename ,
    configurationArrayName )
```

This procedure reads in the configuration file named by the filename into the array named by configurationArrayName.

**Parameters**

<i>filename</i>	The name of the configuration file.
<i>configurationArrayName</i>	The name of the array to hold the configuration.

#### 6.2.2.4 WriteConfiguration()

```
ReadConfiguration::WriteConfiguration (
    filename ,
    configurationArrayName )
```

This procedure writes the configuration contained in configurationArrayName to the file named by the filename.

##### Parameters

<i>filename</i>	The name of the configuration file.
<i>configurationArrayName</i>	The name of the array holding the configuration.

## 6.3 RolePlayingDB3 Namespace Reference

### Classes

- class [chroot\\_chooseDirectory](#)
- class [chroot\\_getFile](#)
- class [Graphic](#)
- class [LabeledDirTree](#)
- class [LabeledScrolledText](#)
- class [LevelEditor](#)
- class [MapEditor](#)
- class [PrintDialog](#)
- class [ScrolledCanvas](#)
- class [ScrolledList](#)
- class [SheetEdit](#)
- class [SpaceEditor](#)
- class [Template](#)
- class [XMLContentEditor](#)

### Functions

- [MapBundleMountPoint](#) ()
- [MapEditorOption](#) ()
- [LevelEditorOption](#) ()
- [LevelDirOption](#) ()
- [SpaceFileOption](#) ()
- [OpenFilename](#) (optionspec="-openfilename openFilename OpenFilename")
- [SaveFilename](#) (optionspec="-savefilename saveFilename SaveFilename")
- [GeneratePrintDialog](#) (nameprefix, additionalcomps, createbody)



## Variables

- **RolePlayingDB3**

### 6.3.1 Detailed Description

Contains all utility code specific to the [RolePlayingDB3](#) system.

### 6.3.2 Function Documentation

#### 6.3.2.1 GeneratePrintDialog()

```
RolePlayingDB3::GeneratePrintDialog (
    nameprefix ,
    additionalcomps ,
    createbody )
```

Macro to generate code to create a print dialog.

#### Parameters

<i>nameprefix</i>	<a href="#">Dialog</a> name prefix
<i>additionalcomps</i>	Additional components
<i>createbody</i>	Additional dialog create body.

#### 6.3.2.2 LevelDirOption()

```
RolePlayingDB3::LevelDirOption ( )
```

Macro to add the -leveldir option

#### 6.3.2.3 LevelEditorOption()

```
RolePlayingDB3::LevelEditorOption ( )
```

Macro to add the -leveleditor option

#### 6.3.2.4 MapBundleMountPoint()

```
RolePlayingDB3::MapBundleMountPoint ( )
```

Macro to add the -mapbundlemountpoint option.

#### 6.3.2.5 MapEditorOption()

```
RolePlayingDB3::MapEditorOption ( )
```

Macro to add the -mapeditor option.

#### 6.3.2.6 OpenFilename()

```
RolePlayingDB3::OpenFilename (
    optionspec = "-openfilename openFilename OpenFilename" )
```

Macro to add a readonly file option.

##### Parameters

<i>optionspec</i>	The option spec.
-------------------	------------------

#### 6.3.2.7 SaveFilename()

```
RolePlayingDB3::SaveFilename (
    optionspec = "-savefilename saveFilename SaveFilename" )
```

Macro to add a read/write file option.

##### Parameters

<i>optionspec</i>	The option spec.
-------------------	------------------

#### 6.3.2.8 SpaceFileOption()

```
RolePlayingDB3::SpaceFileOption ( )
```

Macro to add -spacefile option.

## 6.4 vfs::rpg Namespace Reference

### Classes

- class [RPGDirent](#)

*A Directory Entry Holds information about a file or directory. Only the bare minimum information is kept: name, mod time, list of files (directories only), mode (permissions), offset (files only), and size (files only).*

- class [RPGFileSystem](#)

*The filesystem class. This is the class that implements a simple Virtual Filesystem for internal use by the Roleplaying Database program. It stores the working version of the RPG DB bundle which is normally stored as a ZIP file. It is a basic and simple file system, using a backing file as temporary file system storage.*

### Functions

- [fail](#) (code)
- [Mount](#) (mkfile, local,...)

#### 6.4.1 Detailed Description

Roleplaying Database temp filesystem. This is an implementation of a simple Virtual Filesystem for internal use by the Roleplaying Database program. It stores the working version of the RPG DB bundle which is normally stored as a ZIP file. It is a basic and simple file system, using a backing file as temporary file system storage.

#### 6.4.2 Function Documentation

##### 6.4.2.1 fail()

```
vfs::rpg::fail (
    code )
```

Generate a posixerror

##### Parameters

<i>code</i>	– the posix error to generate.
-------------	--------------------------------

##### 6.4.2.2 Mount()

```
vfs::rpg::Mount (
```

```
mkfile ,  
local ,  
... )
```

Public function to mount a [RPGFileSystem](#) file system

#### Parameters

<i>mkfile</i>	Backing file
<i>local</i>	Mount point
...	Options: (none)

#### Returns

A [RPGFileSystem](#) object, bound to the mountpoint.

## Chapter 7

# Class Documentation

### 7.1 RolePlayingDB3::chroot\_chooseDirectory Class Reference

#### 7.1.1 Detailed Description

Chrooted version of tk\_chooseDirectory. (copied and adapted from tk\_chooseDirectory). This version is "chrooted" to the vfs holding a RPG bundle.

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

- RPGUtilities.tcl

### 7.2 RolePlayingDB3::chroot\_getFile Class Reference

#### 7.2.1 Detailed Description

Chrooted version of tk\_getOpenFile / tk\_getSaveFile. (copied and adapted from tk\_getOpenFile / tk\_getSaveFil). This version is "chrooted" to the vfs holding a RPG bundle.

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

- RPGUtilities.tcl

### 7.3 Dialog Class Reference

#### 7.3.1 Detailed Description

delegate method add to bbox

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

- snitdialog.tcl

## 7.4 DynamicHelp Class Reference

### Static Public Member Functions

- static [configure](#) (...)
- static [register](#) (path, \_type,...)
- static [add](#) (path,...)
- static [delete](#) (path)

#### 7.4.1 Detailed Description

Implements BWidget style Dynamic Help: balloon help and status variable help displays

#### 7.4.2 Member Function Documentation

##### 7.4.2.1 [add\(\)](#)

```
static DynamicHelp::add (
    path ,
    ... ) [static]
```

Add a path to the list of paths with Dynamic Help.

##### Parameters

<i>path</i>	The widget path.
...	Options: <ul style="list-style-type: none"> <li>• -type The type of Dynamic Help.</li> <li>• -text The help text.</li> <li>• -item The menu item.</li> <li>• -index The item index.</li> <li>• -command The command.</li> <li>• -variable The variable.</li> </ul>

#### 7.4.2.2 configure()

```
static DynamicHelp::configure (  
    ... ) [static]
```

Set configuration options. ... Option value list: option value ...

- -state configure new state value.
- -delay configure new delay value.

#### 7.4.2.3 delete()

```
static DynamicHelp::delete (  
    path ) [static]
```

Delete a path from Dynamic Help.

##### Parameters

<i>path</i>	The widget path.
-------------	------------------

#### 7.4.2.4 register()

```
static DynamicHelp::register (  
    path ,  
    _type ,  
    ... ) [static]
```

Register a new widget with help.

##### Parameters

<i>path</i>	Widget path.
<i>_type</i>	Type of help (variable or balloon)
...	Additional args (depends on type).

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

- DynamicHelp.tcl

## 7.5 RolePlayingDB3::Graphic Class Reference

### Public Member Functions

- [getimage](#) ()
- [Graphic](#) (...)

### 7.5.1 Detailed Description

Build a widget to fetch a graphics file and display the image.

### 7.5.2 Constructor & Destructor Documentation

#### 7.5.2.1 Graphic()

```
RolePlayingDB3::Graphic::Graphic (  
    ... )
```

Build a widget to fetch and display an image file.

#### Parameters

<i>widgetpath</i>	The widget path
...	Options: <ul style="list-style-type: none"><li>• -modifycmd Script to run when the widget is updated.</li><li>• -text Filename in the file entry.</li><li>• -basedirectory Base directory.</li><li>• -label Label for the fileentry.</li><li>• -labelwidth Label width for the fileentry.</li><li>• -initialdir Initial dir for the fileentry.</li></ul>

### 7.5.3 Member Function Documentation



### 7.5.3.1 getimage()

```
RolePlayingDB3::Graphic::getimage ( )
```

Fetch the graphic image object.

#### Returns

an image object

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

- RPGUtilities.tcl

## 7.6 IconBitmap Class Reference

### Static Public Member Functions

- static [bitmap](#) (name)

### 7.6.1 Detailed Description

Icon bitmap management Auto loads bitmaps and keeps track of available and loaded bitmap objects for labels and related uses.

### 7.6.2 Member Function Documentation

#### 7.6.2.1 bitmap()

```
static IconBitmap::bitmap (  
    name ) [static]
```

Fetch a bitmap by name.

#### Parameters

<i>name</i>	Bitmap name.
-------------	--------------

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

- IconsAndImages.tcl

## 7.7 IconImage Class Reference

### Static Public Member Functions

- static [image](#) (name,...)

#### 7.7.1 Detailed Description

Icon image management Auto loads images and keeps track of available and loaded image objects for labels and related uses.

#### 7.7.2 Member Function Documentation

##### 7.7.2.1 image()

```
static IconImage::image (  
    name ,  
    ... ) [static]
```

Fetch an image by name.

##### Parameters

<i>name</i>	Image name.
...	Options: <ul style="list-style-type: none"><li>• -filetype File type.</li><li>• -icondir Alternative directory to look in.</li></ul>

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

- IconsAndImages.tcl

## 7.8 RolePlayingDB3::LabeledDirTree Class Reference

## Public Member Functions

- [itemcget](#) (node, option)
- [redrawdirtree](#) ()
- [binditem](#) (what, sequence, script)
- [LabeledDirTree](#) (...)

### 7.8.1 Detailed Description

Labeled Directory Tree Widget

### 7.8.2 Constructor & Destructor Documentation

#### 7.8.2.1 LabeledDirTree()

```
RolePlayingDB3::LabeledDirTree::LabeledDirTree (  
    ... )
```

Constructor. Build the widget.

#### Parameters

<i>widgetpath</i>	The widget path.
...	Options: <ul style="list-style-type: none"><li>• -auto Passed to the scrolling window.</li><li>• -scrollbar Passed to the scrolling window.</li><li>• -showextension Show the file's extension.</li><li>• -directory The root directory.</li><li>• -filepattern The file pattern to use.</li><li>• -sortfunction Sorting function.</li><li>• -opendirs Open dirs initially or not.</li><li>• -nofiles Controls whether to include files or not.</li><li>• -label Label text for the widget.</li></ul>

### 7.8.3 Member Function Documentation

#### 7.8.3.1 binditem()

```
RolePlayingDB3::LabeledDirTree::binditem (
    what ,
    sequence ,
    script )
```

Bind events to items

##### Parameters

<i>what</i>	What tag to bind to.
<i>sequence</i>	Sequence to bind.
<i>script</i>	Strict to bind.

#### 7.8.3.2 itemcget()

```
RolePlayingDB3::LabeledDirTree::itemcget (
    node ,
    option )
```

Gets an option from an item.

##### Parameters

<i>node</i>	Item to get an option from.
<i>option</i>	The option to fetch.

##### Returns

The option value.

##### Exceptions

<i>Unsupported-Option</i>	For unsupported options.
---------------------------	--------------------------

### 7.8.3.3 redrawdirtree()

```
RolePlayingDB3::LabeledDirTree::redrawdirtree ( )
```

Redraw directory tree

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

- RPGUtilities.tcl

## 7.9 RolePlayingDB3::LabeledScrolledText Class Reference

### Public Member Functions

- [bind \(...\)](#)
- [LabeledScrolledText \(...\)](#)

### 7.9.1 Detailed Description

Labeled Scrolled Text widget

### 7.9.2 Constructor & Destructor Documentation

#### 7.9.2.1 LabeledScrolledText()

```
RolePlayingDB3::LabeledScrolledText::LabeledScrolledText (
    ... )
```

Constructor

Parameters

<i>widgetpath</i>	
...	Options: <ul style="list-style-type: none"> <li>• -label Label for frame</li> <li>• -auto Passed to Scrolled Window</li> <li>• -scrollbar Passed to Scrolled Window</li> <li>• -text Get/Set text in text widget</li> </ul>

any options a text widget takes except -xscrollcommand and

-yscrollcommand All text methods (except xview and yview) are available as well.

### 7.9.3 Member Function Documentation

#### 7.9.3.1 bind()

```
RolePlayingDB3::LabeledScrolledText::bind (
    ... )
```

Bind events to the text widget.

##### Parameters

...	Arguments passed to bind.
-----	---------------------------

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

- RPGUtilities.tcl

## 7.10 RolePlayingDB3::LevelEditor Class Reference

### Public Member Functions

- [checksave](#) ()
- [new](#) ()
- [open](#) ()
- [save](#) ()
- [saveas](#) (\_filename="")
- [print](#) ()
- [close](#) (...)
- [LevelEditor](#) (...)
- [updatespacetree](#) ()
- [drawspace](#) (canvas, X, Y, color, size,...)
- [updatelevelmapcolor](#) (color, spacetag)
- [rescalelevelmap](#) ()
- [drawonespace](#) (X, Y, color, spacetag)
- [updatelevelmap](#) ()
- [recreateXML](#) ()
- [updatemediatree](#) ()
- [removeeditor](#) (se)
- [updateleveltree](#) ()
- [updatemediatree](#) ()
- [setspaceposition](#) (XLE, YLE, spacename)

## Static Public Member Functions

- static [new](#) (...)
- static [open](#) (...)
- static [printLevel](#) (pdfobj, leveldir, curpageV, curlineV, heading,...)

### 7.10.1 Detailed Description

Level editor

### 7.10.2 Constructor & Destructor Documentation

#### 7.10.2.1 LevelEditor()

```
RolePlayingDB3::LevelEditor::LevelEditor (
    ... )
```

Constructor – construct a level editor.

Parameters

<i>widgetpath</i>	Widget path.
...	Options: <ul style="list-style-type: none"> <li>• -template <a href="#">Template</a> to use for a new level.</li> <li>• -mapbundlemountpoint Map bundle mount point.</li> <li>• -mapeditor Parent map editor.</li> <li>• -leveldir Level directory.</li> </ul>

### 7.10.3 Member Function Documentation

#### 7.10.3.1 checksave()

```
RolePlayingDB3::LevelEditor::checksave ( )
```

Check if save is needed.

### 7.10.3.2 close()

```
RolePlayingDB3::LevelEditor::close (
    ... )
```

Close this level editor.

#### Parameters

...	Options:
	<ul style="list-style-type: none"> <li>• -dontask Flag to supress asking.</li> <li>• -donsave Flag to supress saving.</li> <li>• -closingallwindows Flag if we are closing all windows.</li> </ul>

### 7.10.3.3 drawonespace()

```
RolePlayingDB3::LevelEditor::drawonespace (
    X ,
    Y ,
    color ,
    spacetag )
```

Draw one space

#### Parameters

<i>X</i>	The X coordinate.
<i>Y</i>	The Y coordinate.
<i>color</i>	The color.
<i>spacetag</i>	The space tag.

### 7.10.3.4 drawspace()

```
RolePlayingDB3::LevelEditor::drawspace (
    canvas ,
    X ,
    Y ,
    color ,
    size ,
    ... )
```

Draw the space.



**Parameters**

<i>canvas</i>	The canvas to draw to.
<i>X</i>	The X coordinate.
<i>Y</i>	The Y coordinate.
<i>color</i>	The color.
<i>size</i>	The size.
<i>...</i>	Options passed along to the map editor draw space method.

**7.10.3.5 new()** [1/2]

```
RolePlayingDB3::LevelEditor::new ( )
```

Create a new level.

**7.10.3.6 new()** [2/2]

```
static RolePlayingDB3::LevelEditor::new (
    ... ) [static]
```

Create a new level.

**Parameters**

<i>...</i>	Options: <ul style="list-style-type: none"><li>• -mapbundlemountpoint Map mount point bundle.</li><li>• -parent Parent window.</li><li>• -mapeditor Parent map editor.</li><li>• -leveldir Level directory.</li></ul>
------------	---

**Returns**

the new toplevel.

**7.10.3.7 open()** [1/2]

```
RolePlayingDB3::LevelEditor::open ( )
```

Open a level file.

### 7.10.3.8 open() [2/2]

```
static RolePlayingDB3::LevelEditor::open (  
    ... ) [static]
```

Open a level file.

#### Parameters

...	Options: <ul style="list-style-type: none"><li>• -mapbundlemountpoint Map mount point bundle.</li><li>• -parent Parent window.</li><li>• -mapeditor Parent map editor.</li><li>• -leveldir Level directory.</li></ul>
-----	---

#### Returns

the new toplevel.

### 7.10.3.9 print()

```
RolePlayingDB3::LevelEditor::print ( )
```

Print this level (to a PDF file).

### 7.10.3.10 printLevel()

```
static RolePlayingDB3::LevelEditor::printLevel (  
    pdfobj ,  
    leveldir ,  
    curpageV ,  
    curlineV ,  
    heading ,  
    ... ) [static]
```

Print (to a PDF file) the level.

#### Parameters

<i>pdfobj</i>	The PDF object to print to.
<i>leveldir</i>	The level directory.
<i>curpageV</i>	Current page variable.

## Parameters

<i>curlineV</i>	Current line variable.
<i>heading</i>	Heading.
...	Options: <ul style="list-style-type: none"><li>• -mapbundlemountpoint The map bundle mount point.</li><li>• -mapeditor The parent map editor.</li><li>• -parent The parent window.</li></ul>

## 7.10.3.11 recreateXML()

```
RolePlayingDB3::LevelEditor::recreateXML ( )
```

Regenerate the XML string.

## 7.10.3.12 removeeditor()

```
RolePlayingDB3::LevelEditor::removeeditor (
    se )
```

Remove the selected editor.

## Parameters

<i>se</i>	The space editor to remove.
-----------	-----------------------------

## 7.10.3.13 rescalelevelmap()

```
RolePlayingDB3::LevelEditor::rescalelevelmap ( )
```

Rescale the level map.

## 7.10.3.14 save()

```
RolePlayingDB3::LevelEditor::save ( )
```

Save the current file.

#### 7.10.3.15 saveas()

```
RolePlayingDB3::LevelEditor::saveas (
    _filename = "" )
```

Save to a new file.

##### Parameters

<i>_filename</i>	The filename to save to.
------------------	--------------------------

#### 7.10.3.16 setspaceposition()

```
RolePlayingDB3::LevelEditor::setspaceposition (
    XLE ,
    YLE ,
    spacename )
```

Set the space's position.

##### Parameters

<i>XLE</i>	The X position entry.
<i>YLE</i>	The Y position entry.
<i>spacename</i>	The space name.

#### 7.10.3.17 updatelevelmap()

```
RolePlayingDB3::LevelEditor::updatelevelmap ( )
```

Update the level map.

#### 7.10.3.18 updatelevelmapcolor()

```
RolePlayingDB3::LevelEditor::updatelevelmapcolor (
    color ,
    spacetag )
```

Update the level map color.

## Parameters

<i>color</i>	New color
<i>spacetag</i>	The space tag.

## 7.10.3.19 updateleveltree()

```
RolePlayingDB3::LevelEditor::updateleveltree ( )
```

Update the level tree.

## 7.10.3.20 updatemediatree() [1/2]

```
RolePlayingDB3::LevelEditor::updatemediatree ( )
```

Update the media tree.

## 7.10.3.21 updatemediatree() [2/2]

```
RolePlayingDB3::LevelEditor::updatemediatree ( )
```

Update the media tree.

## 7.10.3.22 updatespacetree()

```
RolePlayingDB3::LevelEditor::updatespacetree ( )
```

Update space tree.

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

- RPGMapLevelSpace.tcl

## 7.11 RolePlayingDB3::MapEditor Class Reference

### Public Member Functions

- [scaleXY](#) (X, Y, scale)
- [unscaleXY](#) (cX, cY, scale)
- [drawspace](#) (canvas, X, Y, color, size,...)
- [opennew](#) ()
- [new](#) ()
- [openold](#) (\_filename)
- [save](#) ()
- [saveas](#) (\_filename="")
- [print](#) ()
- [close](#) (...)
- [MapEditor](#) (...)
- [recreateXML](#) ()
- [updateleveltree](#) ()
- [updatemediatree](#) ()

### Static Public Member Functions

- static [\\_\\_createEditDialog](#) ()
- static [edit](#) (...)
- static [new](#) (...)
- static [open](#) (...)
- static [openfile](#) (filename)

### 7.11.1 Detailed Description

Map editor widget.

### 7.11.2 Constructor & Destructor Documentation

#### 7.11.2.1 MapEditor()

```
RolePlayingDB3::MapEditor::MapEditor (  
    ... )
```

Constructor – create a map edit widget.

## Parameters

<i>widgetpath</i>	Widget path.
...	Options: <ul style="list-style-type: none"> <li>• -template Alternative emplate to use.</li> <li>• -openfilename File to open.</li> </ul>

## 7.11.3 Member Function Documentation

## 7.11.3.1 \_createEditDialog()

```
static RolePlayingDB3::MapEditor::_createEditDialog ( ) [static]
```

Create edit dialog.

## 7.11.3.2 close()

```
RolePlayingDB3::MapEditor::close (
    ... )
```

Close the current file.

## Parameters

...	Options: None.
-----	----------------

## 7.11.3.3 drawspace()

```
RolePlayingDB3::MapEditor::drawspace (
    canvas ,
    X ,
    Y ,
    color ,
    size ,
    ... )
```

Draw a space.

## Parameters

<i>canvas</i>	The canvas to draw on.
<i>X</i>	X coord.
<i>Y</i>	Y coord.
<i>color</i>	The color of the space.
<i>size</i>	The size of the space.
...	Additional args passed to canvas create.

7.11.3.4 `edit()`

```
static RolePlayingDB3::MapEditor::edit (
    ... ) [static]
```

Edit an existing map.

## Parameters

...	Options: None.
-----	----------------

7.11.3.5 `new()` [1/2]

```
static RolePlayingDB3::MapEditor::new (
    ... ) [static]
```

Create a new map.

## Parameters

...	Options: <ul style="list-style-type: none"> <li>• -template <a href="#">Template</a> to use.</li> <li>• -parent The parent window.</li> </ul>
-----	---

7.11.3.6 `new()` [2/2]

```
RolePlayingDB3::MapEditor::new ( )
```

Create a new map.



### 7.11.3.7 open()

```
static RolePlayingDB3::MapEditor::open (
    ... ) [static]
```

Open an existing map bundle file.

#### Parameters

...	Options: <ul style="list-style-type: none"><li>• -parent Parent window.</li><li>• -like Open a file like this one.</li></ul>
-----	--

### 7.11.3.8 openfile()

```
static RolePlayingDB3::MapEditor::openfile (
    filename ) [static]
```

Open an existing map file.

#### Parameters

<i>filename</i>	File to open.
-----------------	---------------

### 7.11.3.9 opennew()

```
RolePlayingDB3::MapEditor::opennew ( )
```

Create a new map.

### 7.11.3.10 openold()

```
RolePlayingDB3::MapEditor::openold (
    _filename )
```

Open an old file.

**Parameters**

<code>_filename</code>	Filename to open.
------------------------	-------------------

**7.11.3.11 print()**

```
RolePlayingDB3::MapEditor::print ( )
```

Print (to a PDF file) the current map.

**7.11.3.12 recreateXML()**

```
RolePlayingDB3::MapEditor::recreateXML ( )
```

Regenerate the XML string.

**7.11.3.13 save()**

```
RolePlayingDB3::MapEditor::save ( )
```

Save the current file.

**7.11.3.14 saveas()**

```
RolePlayingDB3::MapEditor::saveas (
    _filename = "" )
```

Save the bundle to the speified file.

**Parameters**

<code>_filename</code>	Filename to save to.
------------------------	----------------------

**7.11.3.15 scaleXY()**

```
RolePlayingDB3::MapEditor::scaleXY (
    x ,
```

```
Y ,  
scale )
```

Scale space on map.

#### Parameters

<i>X</i>	X coord.
<i>Y</i>	Y coord.
<i>scale</i>	Scale factor.

#### Returns

Coordlist, scaled and tranlated.

#### 7.11.3.16 unscaleXY()

```
RolePlayingDB3::MapEditor::unscaleXY (  
    cX ,  
    cY ,  
    scale )
```

Unscale space on map.

#### Parameters

<i>cX</i>	X canvas coord.
<i>cY</i>	Y canvas coord.
<i>scale</i>	Scale factor.

#### Returns

Coord list, unscaled and translated.

#### 7.11.3.17 updateleveltree()

```
RolePlayingDB3::MapEditor::updateleveltree ( )
```

Update the level tree.

### 7.11.3.18 updatemediatree()

```
RolePlayingDB3::MapEditor::updatemediatree ( )
```

Update the media tree.

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

- `RPGMapLevelSpace.tcl`

## 7.12 ParseXML Class Reference

Class to hold an XML tree. This class parses an XML string and stores the result as a DOM Element tree.

### Public Member Functions

- [ParseXML](#) (xml,...)
- [~ParseXML](#) ()
- [displayTree](#) (fp="stdout",...)

### Static Public Member Functions

- static [validate](#) (object)  
*Validation typemethod. Raises an error if its argument is not a [ParseXML](#) object.*
- static [TopContainer](#) (XML)

### 7.12.1 Detailed Description

Class to hold an XML tree. This class parses an XML string and stores the result as a DOM Element tree.

Inheirts methods `getElementsByTagName`, `getElementsById`, and `children` from [SimpleDOMElement](#).

### 7.12.2 Constructor & Destructor Documentation

#### 7.12.2.1 ParseXML()

```
ParseXML::ParseXML (
    xml ,
    ... )
```

The constructor parses the XML string and stores it as a child of the rootnode component.

## Parameters

<i>objname</i>	Generally %AUTO% is passed.
<i>xml</i>	The XML string.
...	Options. None at present.

## 7.12.2.2 ~ParseXML()

```
ParseXML::~~ParseXML ( )
```

The destructor – free up memory by destroying the root node.

## 7.12.3 Member Function Documentation

## 7.12.3.1 displayTree()

```
ParseXML::displayTree (
    fp = "stdout",
    ... )
```

Display the XML tree.

## Parameters

<i>fp</i>	The channel to write the display to.
...	Options <ul style="list-style-type: none"> <li>-addnamespace Boolean (default no) Add namespace.</li> </ul>

## 7.12.3.2 TopContainer()

```
static ParseXML::TopContainer (
    XML ) [static]
```

Static function to peek into XML to find the top container.

**Parameters**

<i>XML</i>	XML string.
------------	-------------

**Returns**

The top container tag.

**7.12.3.3 validate()**

```
static ParseXML::validate (  
    object ) [static]
```

Validation typemethod. Raises an error if its argument is not a [ParseXML](#) object.

**Parameters**

<i>object</i>	The object to typecheck.
---------------	--------------------------

**Returns**

The object or raise an error.

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

- [ParseXML.tcl](#)

## 7.13 RolePlayingDB3::PrintDialog Class Reference

**Static Public Member Functions**

- static [printprogress\\_start](#) (...)
- static [printprogress\\_setpageno](#) (pageno)
- static [printprogress\\_end](#) ()

**7.13.1 Detailed Description**

General purpose Print [Dialog](#) This is a general purpose print dialog.

### 7.13.2 Member Function Documentation

#### 7.13.2.1 printprogress\_end()

```
static RolePlayingDB3::PrintDialog::printprogress_end ( ) [static]
```

End the progress dialog: release grab and focus and enable the dismiss button.

#### 7.13.2.2 printprogress\_setpageno()

```
static RolePlayingDB3::PrintDialog::printprogress_setpageno (
    pageno ) [static]
```

Set the current print progress page number.

##### Parameters

<i>pageno</i>	New current page number.
---------------	--------------------------

#### 7.13.2.3 printprogress\_start()

```
static RolePlayingDB3::PrintDialog::printprogress_start (
    ... ) [static]
```

Start the progress dialog.

##### Parameters

...	Options: <ul style="list-style-type: none"> <li>-parent Parent window.</li> </ul>
-----	---

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

- RPGUtilities.tcl

## 7.14 vfs::rpg::RPGDirent Class Reference

A Directory Entry Holds information about a file or directory. Only the bare minimum information is kept: name, mod time, list of files (directories only), mode (permissions), offset (files only), and size (files only).

## Public Member Functions

- [RPGDirent](#) (name,...)
- [~RPGDirent](#) ()
- [AddNewDirent](#) (name,...)
- [RemoveDirent](#) (dirent)
- [GetDirents](#) ()
- [NumDirents](#) ()
- [LookupName](#) (name)
- [LookupMatch](#) (pattern, types="file directory")

### 7.14.1 Detailed Description

A Directory Entry Holds information about a file or directory. Only the bare minimum information is kept: name, mod time, list of files (directories only), mode (permissions), offset (files only), and size (files only).

Options:

- -ftype This readonly option flags type of directory entry, file or directory.

Instance variables:

- `_name` The file name. Accessors: `Name` and `SetName`.
- `_mtime` The mod time. Accessors: `MTime` and `SetMTime`.
- `_files` The list of files (directories only). No direct accessors.
- `_mode` The file mode (permissions). Accessors `Mode` and `SetMode`.
- `_offset` The offset in the backing file (files only). Accessors `Offset` and `SetOffset`.
- `_size` The size of the file (files only). Accessors `Size` and `SetSize`.

### 7.14.2 Constructor & Destructor Documentation

#### 7.14.2.1 `RPGDirent()`

```
vfs::rpg::RPGDirent::RPGDirent (
    name ,
    ... )
```

Constructor: create a new direct. Not normally called directly (see [AddNewDirent](#)).

#### Parameters

<i>objname</i>	Should be passed as AUTO%
<i>name</i>	New filename
...	Options: <ul style="list-style-type: none"> <li>• -ftype File type. Must be either "file" or "directory". Readonly and defaults to "file".</li> </ul>



### 7.14.2.2 ~RPGDirent()

```
vfs::rpg::RPGDirent::~~RPGDirent ( )
```

Destructor – destroy the directory entry and all of its child directory entries.

## 7.14.3 Member Function Documentation

### 7.14.3.1 AddNewDirent()

```
vfs::rpg::RPGDirent::AddNewDirent (
    name ,
    ... )
```

Add a new directory entry to this directory.

#### Parameters

<i>name</i>	The new filename.
...	Options: <ul style="list-style-type: none"><li>-ftype The type of new directory entry to create. Must be one of "file" or "directory" and is "file" by default.</li></ul>

#### Returns

The new directory entry.

#### Exceptions

<i>ENOENT</i>	If the containing dirent is not a directory.
---------------	--

### 7.14.3.2 GetDirents()

```
vfs::rpg::RPGDirent::GetDirents ( )
```

Get a list of child dirents.

#### Returns

A list of dirents.

#### Exceptions

<i>ENOENT</i>	If the containing dirent is not a directory.
---------------	--

### 7.14.3.3 LookupMatch()

```
vfs::rpg::RPGDirent::LookupMatch (
    pattern ,
    types = "file directory" )
```

LookupMatch using a glob pattern

#### Parameters

<i>pattern</i>	The (glob) pattern to look for.
<i>types</i>	The file types to check for. Must be a list containing "file" and/or "directory"

#### Returns

A list of dirents.

#### Exceptions

<i>ENOENT</i>	If the containing dirent is not a directory.
---------------	--

### 7.14.3.4 LookupName()

```
vfs::rpg::RPGDirent::LookupName (
    name )
```

Lookup a filename (exact match).

**Parameters**

<i>name</i>	The filename to look for.
-------------	---------------------------

**Returns**

A dirent or {}.

**Exceptions**

<i>ENOENT</i>	If the containing dirent is not a directory.
---------------	--

**7.14.3.5 NumDirents()**

```
vfs::rpg::RPGDirent::NumDirents ( )
```

Get a count of child dirents.

**Returns**

The number of child dirents.

**Exceptions**

<i>ENOENT</i>	If the containing dirent is not a directory.
---------------	--

**7.14.3.6 RemoveDirent()**

```
vfs::rpg::RPGDirent::RemoveDirent (
    dirent )
```

Remove a directory entry from this directory entry. The dirent is not destroyed! The calling function needs to take care of that or suffer a memory leak.

**Parameters**

<i>dirent</i>	The dirent to remove.
---------------	-----------------------

**Returns**

The dirent.

**Exceptions**

<i>ENOENT</i>	If the containing dirent is not a directory. (No error is reported if the dirent being removed is not in this dirent.)
---------------	--

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

- RPGFS.tcl

## 7.15 vfs::rpg::RPGFileSystem Class Reference

The filesystem class. This is the class that implements a simple Virtual Filesystem for internal use by the Roleplaying Database program. It stores the working version of the RPG DB bundle which is normally stored as a ZIP file. It is a basic and simple file system, using a backing file as temporary file system storage.

**Public Member Functions**

- [RPGFileSystem](#) (backingfile,...)
- [~RPGFileSystem](#) ()

### 7.15.1 Detailed Description

The filesystem class. This is the class that implements a simple Virtual Filesystem for internal use by the Roleplaying Database program. It stores the working version of the RPG DB bundle which is normally stored as a ZIP file. It is a basic and simple file system, using a backing file as temporary file system storage.

### 7.15.2 Constructor & Destructor Documentation

#### 7.15.2.1 RPGFileSystem()

```
vfs::rpg::RPGFileSystem::RPGFileSystem (
    backingfile ,
    ... )
```

Constructor – takes care of mounting the file system. The root directory is set up. If the backing file already exists, the root directory is read in from the backing file.

## Parameters

<i>mountpoint</i>	The name of the mount point.
<i>backingfile</i>	The name of the backing file. It is created if it does not exist.

## 7.15.2.2 ~RPGFileSystem()

```
vfs::rpg::RPGFileSystem::~~RPGFileSystem ( )
```

Destructor – unmount the filesystem and free up all allocated memory. Flush the directory tree to the backing file if it is "dirty".

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

- RPGFS.tcl

## 7.16 RolePlayingDB3::ScrolledCanvas Class Reference

## Public Member Functions

- [ScrolledCanvas](#) (...)
- [bindcanvas](#) (...)

## 7.16.1 Detailed Description

Scrolled Canvas Just a plain canvas, with scrollbars. All of the canvas's methods are exposed except xview yview.

## 7.16.2 Constructor &amp; Destructor Documentation

## 7.16.2.1 ScrolledCanvas()

```
RolePlayingDB3::ScrolledCanvas::ScrolledCanvas (
    ... )
```

Constructor – build a scrolled canvas.

## Parameters

<i>widgetpath</i>	The widget path
...	Options: <ul style="list-style-type: none"> <li>• -auto Passed to scroll window.</li> <li>• -scrollbar Passed to scroll window.</li> </ul>

All of the options (except -xscrollcommand -yscrollcommand)

that the canvas command takes.

### 7.16.3 Member Function Documentation

#### 7.16.3.1 bindcanvas()

```
RolePlayingDB3::ScrolledCanvas::bindcanvas (
    ... )
```

Feed through bind to the canvas

## Parameters

...	See 3tk bind
-----	--------------

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

- RPGUtilities.tcl

## 7.17 RolePlayingDB3::ScrolledList Class Reference

### Public Member Functions

- [items](#) ()
- [itemcget](#) (item, option)
- [insert](#) (where,...)
- [ScrolledList](#) (...)

### 7.17.1 Detailed Description

Scrolled Listbox many ttk::treeview methods passed through to the list, otherwise methods to simulate BWidget List are provided.

### 7.17.2 Constructor & Destructor Documentation

#### 7.17.2.1 ScrolledList()

```
RolePlayingDB3::ScrolledList::ScrolledList (
    ... )
```

Constructor – build a scrolled list box.

##### Parameters

<i>widgetpath</i>	
...	Options: <ul style="list-style-type: none"> <li>• -auto Passed to scroll window.</li> <li>• -scrollbar Passed to scroll window.</li> </ul>

All of the options (except -xscrollcommand, -yscrollcommand, -show, -columns, and -displaycolumns) that the ttk::treeview command takes.

### 7.17.3 Member Function Documentation

#### 7.17.3.1 insert()

```
RolePlayingDB3::ScrolledList::insert (
    where ,
    ... )
```

Insert an item at a specified location.

##### Parameters

<i>where</i>	Index to insert at (end == at the end).
...	Options: passed through to ttk::treeview's insert method.

### 7.17.3.2 itemcget()

```
RolePlayingDB3::ScrolledList::itemcget (
    item ,
    option )
```

Get an item's property

#### Parameters

<i>item</i>	Item id.
<i>option</i>	The option to fetch.

#### Returns

the item property.

### 7.17.3.3 items()

```
RolePlayingDB3::ScrolledList::items ( )
```

Return a list of item ids in the list

#### Returns

a list of item ids.

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

- RPGUtilities.tcl

## 7.18 RolePlayingDB3::SheetEdit Class Reference

### Public Member Functions

- [getfile](#) ()
- [opennew](#) ()
- [new](#) ()
- [open](#) ()
- [openold](#) (\_filename)
- [save](#) ()
- [saveas](#) (\_filename="")
- [print](#) ()
- [close](#) (...)
- [SheetEdit](#) (...)
- [recreateXML](#) ()



## Static Public Member Functions

- static [edit](#) (...)
- static [new](#) (...)
- static [open](#) (...)
- static [openfile](#) (filename)

### 7.18.1 Detailed Description

Widget to edit a sheet. Wraps around [XMLContentEditor](#) to edit a "sheet". Gets installed into a standard RPG Toplevel frame – not normally installed directly.

### 7.18.2 Constructor & Destructor Documentation

#### 7.18.2.1 SheetEdit()

```
RolePlayingDB3::SheetEdit::SheetEdit (
    ... )
```

Constructor – create a sheet edit frame.

#### Parameters

<i>widgetpath</i>	The widget path.
...	Options: <ul style="list-style-type: none"> <li>• -template <a href="#">Template</a> to use (if this is a new sheet)</li> <li>• -sheetclass Sheet class (optional)</li> <li>• -openfilename Existing file to open (optional)</li> </ul>

### 7.18.3 Member Function Documentation

#### 7.18.3.1 close()

```
RolePlayingDB3::SheetEdit::close (
    ... )
```

Close the current sheet.

**Parameters**

...	Options: none
-----	---------------

**7.18.3.2 edit()**

```
static RolePlayingDB3::SheetEdit::edit (  
    ... ) [static]
```

Edit an existing sheet file.

**Parameters**

...	Options: <ul style="list-style-type: none"><li>• -sheetclass The sheet class to edit.</li></ul>
-----	---

**7.18.3.3 getfile()**

```
RolePlayingDB3::SheetEdit::getfile ( )
```

the current file name

**Returns**

the file name.

**7.18.3.4 new()** [1/2]

```
static RolePlayingDB3::SheetEdit::new (  
    ... ) [static]
```

Create a new sheet and edit it.

**Parameters**

...	<b>Options:</b> <ul style="list-style-type: none"><li>• -template Sheet template to use.</li><li>• -sheetclass Sheet class to create.</li><li>• -parent Parent window.</li></ul>
-----	--

**7.18.3.5 new()** [2/2]

```
RolePlayingDB3::SheetEdit::new ( )
```

Create a new sheet.

**7.18.3.6 open()** [1/2]

```
RolePlayingDB3::SheetEdit::open ( )
```

Open an existing sheet file.

**7.18.3.7 open()** [2/2]

```
static RolePlayingDB3::SheetEdit::open (
    ... ) [static]
```

Open an existing sheet file.

**Parameters**

...	<b>Options:</b> <ul style="list-style-type: none"><li>• -sheetclass Sheet class to open.</li><li>• -like Filename suggestion.</li><li>• -parent Parent window.</li></ul>
-----	--

**7.18.3.8 openfile()**

```
static RolePlayingDB3::SheetEdit::openfile (
```

```
filename ) [static]
```

Open an existing sheet file.

#### Parameters

<i>filename</i>	File to open.
-----------------	---------------

#### 7.18.3.9 opennew()

```
RolePlayingDB3::SheetEdit::opennew ( )
```

Open a new sheet file.

#### 7.18.3.10 openold()

```
RolePlayingDB3::SheetEdit::openold (
    _filename )
```

Open an old file.

#### Parameters

<i>_filename</i>	File to open.
------------------	---------------

#### 7.18.3.11 print()

```
RolePlayingDB3::SheetEdit::print ( )
```

Print (write to PDF) the current sheet.

#### 7.18.3.12 recreateXML()

```
RolePlayingDB3::SheetEdit::recreateXML ( )
```

Regenerate XML string file.

**7.18.3.13 save()**

```
RolePlayingDB3::SheetEdit::save ( )
```

Save the sheet to the current file.

**7.18.3.14 saveas()**

```
RolePlayingDB3::SheetEdit::saveas (
    _filename = "" )
```

Save the sheet to a new file.

**Parameters**

<code>_filename</code>	File to save to.
------------------------	------------------

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

- RPGSheetEdit.tcl

## 7.19 SimpleDOMElement Class Reference

A simple DOM element coded in Tcl using SNIT. This class implements a simplified DOM element, that implements the `getElementsByTagName` and `getElementsById` methods, along with accessors to get data, attributes, and children of XML elements.

**Public Member Functions**

- [SimpleDOMElement](#) (...)
- [~SimpleDOMElement](#) ()
- [children](#) ()
- [replaceChildren](#) (newchildren)
- [addchild](#) (childnode)
- [length](#) ()
- [data](#) ()
- [setdata](#) (d)
- [appenddata](#) (d)
- [display](#) (fp="stdout", indent="",...)
- [attribute](#) (attrname)
- [setAttribute](#) (attrname, value="")
- [getElementsByTagName](#) (thetag,...)
- [getElementsById](#) (theid)
- [isChild](#) (item)
- [getParent](#) (item)
- [removeChild](#) (item)

## Static Public Member Functions

- static [validate](#) (object)

*Validation typemethod. Raises an error if its argument is not a [SimpleDOMElement](#) object.*

### 7.19.1 Detailed Description

A simple DOM element coded in Tcl using SNIT. This class implements a simplified DOM element, that implements the `getElementsByTagName` and `getElementsById` methods, along with accessors to get data, attributes, and children of XML elements.

#### Author

Robert Heller <heller@deepsoft.com>.

### 7.19.2 Constructor & Destructor Documentation

#### 7.19.2.1 SimpleDOMElement()

```
SimpleDOMElement::SimpleDOMElement (
    ... )
```

The constructor. Just sets the options.

#### Parameters

<i>objname</i>	Element name. Generally %AUTO% is passed.
...	Options: <ul style="list-style-type: none"> <li>• -tag The element's tag.</li> <li>• -attributes The element's attributes.</li> <li>• -opts The element's options.</li> </ul>

#### 7.19.2.2 ~SimpleDOMElement()

```
SimpleDOMElement::~~SimpleDOMElement ( )
```

The destructor – free up all memory by destroying all children.

### 7.19.3 Member Function Documentation

#### 7.19.3.1 addchild()

```
SimpleDOMElement::addchild (
    childnode )
```

Method to add a child node.

##### Parameters

<i>childnode</i>	The child node to add.
------------------	------------------------

#### 7.19.3.2 appenddata()

```
SimpleDOMElement::appenddata (
    d )
```

Method to append to the element's data.

##### Parameters

<i>d</i>	The new data.
----------	---------------

#### 7.19.3.3 attribute()

```
SimpleDOMElement::attribute (
    attrname )
```

Method to return a selected attribute's value.

##### Parameters

<i>attrname</i>	The name of the attribute.
-----------------	----------------------------

##### Returns

The attribute's value or the empty string.

#### 7.19.3.4 children()

```
SimpleDOMElement::children ( )
```

Method to return the element's children.

##### Returns

The children.

#### 7.19.3.5 data()

```
SimpleDOMElement::data ( )
```

Method to return the element's data.

##### Returns

The data.

#### 7.19.3.6 display()

```
SimpleDOMElement::display (
    fp = "stdout",
    indent = "",
    ... )
```

Method to display a node, along with its children, and a proper XML document.

##### Parameters

<i>fp</i>	Channel to write the display to.
<i>indent</i>	The indentation to use.
...	Options <ul style="list-style-type: none"><li>• -addnamespace Boolean (default no) Add namespace.</li></ul>



### 7.19.3.7 `getElementsById()`

```
SimpleDOMElement::getElementsById (
    theid )
```

Method to return all of the elements under this element with the specified value of their id attribute.

#### Parameters

<i>theid</i>	The id value match.
--------------	---------------------

#### Returns

A list of element object with the matching id value.

### 7.19.3.8 `getElementsByTagName()`

```
SimpleDOMElement::getElementsByTagName (
    thetag ,
    ... )
```

Method to return all of the elements under this element with the specified tag name.

#### Parameters

<i>thetag</i>	The tag to match.
---------------	-------------------

#### Returns

A list of element object with the matching tag.

### 7.19.3.9 `getParent()`

```
SimpleDOMElement::getParent (
    item )
```

Method to get the parent of the item.

#### Parameters

<i>item</i>	The item to get the parent of.
-------------	--------------------------------

**Returns**

The parent node or {} if none found.

**7.19.3.10 isChild()**

```
SimpleDOMElement::isChild (
    item )
```

Method to check if the item is a child of this node.

**Parameters**

<i>item</i>	The possible child.
-------------	---------------------

**Returns**

True if item is a child, false otherwise.

**7.19.3.11 length()**

```
SimpleDOMElement::length ( )
```

Method to return the number of children.

**Returns**

The number of children.

**7.19.3.12 removeChild()**

```
SimpleDOMElement::removeChild (
    item )
```

Method to remove item from the children of this node.

**Parameters**

<i>item</i>	The item to remove.
-------------	---------------------

#### 7.19.3.13 replaceChildren()

```
SimpleDOMElement::replaceChildren (
    newchildren )
```

Method to replace the element's children.

##### Parameters

<i>newchildren</i>	The new children list.
--------------------	------------------------

##### Returns

The old children

##### Exceptions

<i>Invalid</i>	type error if elements of newchildren are not <a href="#">SimpleDOMElement</a> objects.
----------------	---

#### 7.19.3.14 setAttribute()

```
SimpleDOMElement::setAttribute (
    attrname ,
    value = "" )
```

Method to set a selected attribute's value.

##### Parameters

<i>attrname</i>	The name of the attribute.
<i>value</i>	The value to set. Default is the empty string.

#### 7.19.3.15 setdata()

```
SimpleDOMElement::setdata (
    d )
```

Method to set the element's data.

**Parameters**

<i>d</i>	The new data.
----------	---------------

**7.19.3.16 validate()**

```
static SimpleDOMElement::validate (  
    object ) [static]
```

Validation typemethod. Raises an error if its argument is not a [SimpleDOMElement](#) object.

**Parameters**

<i>object</i>	The object to typecheck.
---------------	--------------------------

**Returns**

The object or raise an error.

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

- ParseXML.tcl

## 7.20 RolePlayingDB3::SpaceEditor Class Reference

**Public Member Functions**

- [getspacefile](#) ()
- [setdirty](#) ()
- [checksave](#) ()
- [new](#) ()
- [open](#) ()
- [save](#) ()
- [saveas](#) (\_filename="")
- [print](#) ()
- [close](#) (...)
- [SpaceEditor](#) (...)
- [colorchanged](#) ()
- [getcolor](#) ()
- [redrawspace](#) ()
- [recreateXML](#) ()

## Static Public Member Functions

- static [new](#) (...)
- static [open](#) (...)
- static [printSpace](#) (pdfobj, spacefile, curpageV, curlineV, heading,...)

### 7.20.1 Detailed Description

Space edit widget.

### 7.20.2 Constructor & Destructor Documentation

#### 7.20.2.1 SpaceEditor()

```
RolePlayingDB3::SpaceEditor::SpaceEditor (
    ... )
```

Constructor – construct a space edit widget.

#### Parameters

<i>widgetpage</i>	The widget path.
...	Options: <ul style="list-style-type: none"> <li>• -template The template XML to use for a new space.</li> <li>• -mapbundlemountpoin The map bundle mount point.</li> <li>• -leveleditor The level editor.</li> <li>• -spacefile The space filename.</li> </ul>

### 7.20.3 Member Function Documentation

#### 7.20.3.1 checksave()

```
RolePlayingDB3::SpaceEditor::checksave ( )
```

Check if saving is needed.

### 7.20.3.2 close()

```
RolePlayingDB3::SpaceEditor::close (
    ... )
```

Close the current space.

#### Parameters

...	<div>Options:<ul style="list-style-type: none"><li>• -dontask Flag to suppress asking.</li><li>• -donsave Flag to suppress saving.</li><li>• -closingallwindows Flag to indicating that all windows are being closed.</li></ul></div>
-----	---

### 7.20.3.3 colorchanged()

```
RolePlayingDB3::SpaceEditor::colorchanged ( )
```

Update on color change.

### 7.20.3.4 getcolor()

```
RolePlayingDB3::SpaceEditor::getcolor ( )
```

Get the current color.

#### Returns

the current color.

### 7.20.3.5 getspacefile()

```
RolePlayingDB3::SpaceEditor::getspacefile ( )
```

Retrieve the current space file.

#### Returns

the current space file.

### 7.20.3.6 new() [1/2]

```
RolePlayingDB3::SpaceEditor::new ( )
```

Create a new space.

### 7.20.3.7 new() [2/2]

```
static RolePlayingDB3::SpaceEditor::new (
    ... ) [static]
```

Create a new space.

#### Parameters

...	<b>Options:</b> <ul style="list-style-type: none"><li>• -mapbundlemountpoint The map bundle mount point.</li><li>• -parent The parent window.</li><li>• -leveleditor The level editor.</li><li>• -leveldir The level directory.</li><li>• -newspace The new space file.</li></ul>
-----	---

#### Returns

the new toplevel.

### 7.20.3.8 open() [1/2]

```
RolePlayingDB3::SpaceEditor::open ( )
```

Open an existing space file.

### 7.20.3.9 open() [2/2]

```
static RolePlayingDB3::SpaceEditor::open (
    ... ) [static]
```

Open an existing space file.

**Parameters**

...	Options: <ul style="list-style-type: none"> <li>• -mapbundlemountpoint The map bundle mount point.</li> <li>• -parent The parent window.</li> <li>• -leveleditor The level editor.</li> <li>• -leveldir The level directory.</li> <li>• -spacefile The new space file.</li> </ul>
-----	---

**Returns**

the new toplevel.

**7.20.3.10 print()**

```
RolePlayingDB3::SpaceEditor::print ( )
```

Print the current space.

**7.20.3.11 printSpace()**

```
static RolePlayingDB3::SpaceEditor::printSpace (
    pdfobj ,
    spacefile ,
    curpageV ,
    curlineV ,
    heading ,
    ... ) [static]
```

Print a space (to a PDF file).

**Parameters**

<i>pdfobj</i>	The PDF Object to print to.
<i>spacefile</i>	The space file to print.
<i>curpageV</i>	The current page variable.
<i>curlineV</i>	The current line variable.
<i>heading</i>	The heading.



## Parameters

...	<p>Options:</p> <ul style="list-style-type: none"><li>• -mapbundlemountpoint The map bundle mount point.</li><li>• -leveldir The level directory.</li><li>• -parent The parent window.</li><li>• -mapeditor The parent map editor.</li></ul>
-----	--

## 7.20.3.12 recreateXML()

```
RolePlayingDB3::SpaceEditor::recreateXML ( )
```

Regenerate the XML string.

## 7.20.3.13 redrawspace()

```
RolePlayingDB3::SpaceEditor::redrawspace ( )
```

Redraw the space.

## 7.20.3.14 save()

```
RolePlayingDB3::SpaceEditor::save ( )
```

Save the current space to the current file.

## 7.20.3.15 saveas()

```
RolePlayingDB3::SpaceEditor::saveas (
    _filename = "" )
```

Save the current space to a new file.

## Parameters

<code>_filename</code>	The file name to save to.
------------------------	---------------------------

### 7.20.3.16 setdirty()

```
RolePlayingDB3::SpaceEditor::setdirty ( )
```

Set the dirty flag.

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

- RPGMapLevelSpace.tcl

## 7.21 RolePlayingDB3::Template Class Reference

### Public Member Functions

- [getfile](#) ()
- [opennew](#) ()
- [new](#) ()
- [openold](#) (\_filename)
- [rescantemplates](#) ()
- [open](#) (...)
- [save](#) ()
- [saveas](#) (\_filename="")
- [print](#) ()
- [outputXMLToPDF](#) (pdfobj, heading="Sheet")
- [newPDFPage](#) (pdfobj, heading, subheading)
- [close](#) (...)
- [Template](#) (...)

### Static Public Member Functions

- static [edit](#) ()
- static [new](#) (...)
- static [open](#) (...)
- static [openfile](#) (filename)

### 7.21.1 Detailed Description

[Template](#) editor widget.

### 7.21.2 Constructor & Destructor Documentation

#### 7.21.2.1 Template()

```
RolePlayingDB3::Template::Template (
    ... )
```

Construct a template bundle editor widget.

**Parameters**

...	Options: <ul style="list-style-type: none"><li>• -template Not used.</li></ul>
-----	--

**7.21.3 Member Function Documentation****7.21.3.1 close()**

```
RolePlayingDB3::Template::close (
    ... )
```

Close the current bundle file.

**Parameters**

...	Options: none.
-----	----------------

**7.21.3.2 edit()**

```
static RolePlayingDB3::Template::edit ( ) [static]
```

Edit an existing template bundle.

**7.21.3.3 getfile()**

```
RolePlayingDB3::Template::getfile ( )
```

Get the current filename.

**Returns**

the current filename.

**7.21.3.4 new()** [1/2]

```
static RolePlayingDB3::Template::new (
    ... ) [static]
```

Create a new template bundle.

**Parameters**

...	Options: <ul style="list-style-type: none"><li>• -like Window to get a default filename from.</li></ul>
-----	---

**7.21.3.5 new()** [2/2]

```
RolePlayingDB3::Template::new ( )
```

Create a new template bundle.

**7.21.3.6 newPDFPage()**

```
RolePlayingDB3::Template::newPDFPage (
    pdfobj ,
    heading ,
    subheading )
```

Start a new page.

**Parameters**

<i>pdfobj</i>	The PDF object to print to.
<i>heading</i>	The heading.
<i>subheading</i>	The subheading.

**7.21.3.7 open()** [1/2]

```
static RolePlayingDB3::Template::open (
    ... ) [static]
```

Open an existing template bundle.

**Parameters**

...	Options: <ul style="list-style-type: none"><li>• -like Editor to create a template bundle like.</li></ul>
-----	---

### 7.21.3.8 open() [2/2]

```
RolePlayingDB3::Template::open (
    ... )
```

Open an existing template bundle.

### 7.21.3.9 openfile()

```
static RolePlayingDB3::Template::openfile (
    filename ) [static]
```

Open an existing template bundle file.

#### Parameters

<i>filename</i>	Name of the file to open.
-----------------	---------------------------

### 7.21.3.10 opennew()

```
RolePlayingDB3::Template::opennew ( )
```

Open a new template bundle.

### 7.21.3.11 openold()

```
RolePlayingDB3::Template::openold (
    _filename )
```

Open an existing template bundle file.

#### Parameters

<i>_filename</i>	Name of the file to open.
------------------	---------------------------

#### 7.21.3.12 outputXMLToPDF()

```
RolePlayingDB3::Template::outputXMLToPDF (
    pdfobj ,
    heading = "Sheet" )
```

Output XML to a PDF file.

##### Parameters

<i>pdfobj</i>	The PDF object to print to.
<i>heading</i>	The heading.

#### 7.21.3.13 print()

```
RolePlayingDB3::Template::print ( )
```

Print (to a PDF file) the current template bundle.

#### 7.21.3.14 rescantemplates()

```
RolePlayingDB3::Template::rescantemplates ( )
```

Rescan the template tree.

#### 7.21.3.15 save()

```
RolePlayingDB3::Template::save ( )
```

Save the current template bundle in the current file.

#### 7.21.3.16 saveas()

```
RolePlayingDB3::Template::saveas (
    _filename = "" )
```

Save the current template bundle in specified file.

##### Parameters

<i>_filename</i>	File name to save to.
------------------	-----------------------

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

- RPGTemplate.tcl

## 7.22 RolePlayingDB3::XMLContentEditor Class Reference

### Public Member Functions

- [getElementWidgetById](#) (id)
- [getpageno](#) ()
- [getlineno](#) ()
- [bcndmethod](#) (id="")
- [XMLContentEditor](#) (...)
- [~XMLContentEditor](#) ()
- [recreateXML](#) (file)
- [outputXMLToPDF](#) (pdfobj, heading="Sheet", curpage=0, curline=1000)

### Static Public Member Functions

- static [ExtractTagValue](#) (xmlstring, name, default)

### 7.22.1 Detailed Description

Widget to for editing XML Content. Takes a XML string and builds a widget to edit it.

### 7.22.2 Constructor & Destructor Documentation

#### 7.22.2.1 XMLContentEditor()

```
RolePlayingDB3::XMLContentEditor::XMLContentEditor (  
    ... )
```

#### Constructor

##### Parameters

<i>widgetpath</i>	The widget path.
-------------------	------------------

**Parameters**

...	Options: <ul style="list-style-type: none"> <li>• -xml The XML string (Required).</li> <li>• -templatevariable The template variable.</li> <li>• -dirtyvariable The dirty variable.</li> <li>• -basedirectory The base directory.</li> <li>• -filewidgethandler The file widget handler.</li> <li>• -xmlfile The file to save the XML to.</li> <li>• -buttoncommand The button callback.</li> <li>• -isnewobject Flag to indicate that this is a new entity.</li> <li>• -rootcontainer The root container's tag.</li> </ul>
-----	---

**7.22.2.2 ~XMLContentEditor()**

```
RolePlayingDB3::XMLContentEditor::~XMLContentEditor ( )
```

Destory the XML tree (free up memory).

**7.22.3 Member Function Documentation****7.22.3.1 bcmdmethod()**

```
RolePlayingDB3::XMLContentEditor::bcmdmethod (
    id = "" )
```

Button command method

**Parameters**

<i>id</i>	Button id
-----------	-----------



### 7.22.3.2 ExtractTagValue()

```
static RolePlayingDB3::XMLContentEditor::ExtractTagValue (
    xmlstring ,
    name ,
    default ) [static]
```

Fetch the value (character data) of a given Field by name in a XML String.

#### Parameters

<i>xmlstring</i>	The XML string.
<i>name</i>	The name.
<i>default</i>	The value to return if the named field is not found.

### 7.22.3.3 getElementWidgetById()

```
RolePlayingDB3::XMLContentEditor::getElementWidgetById (
    id )
```

Get an element's widget, given the element's id.

#### Parameters

<i>id</i>	the element id.
-----------	-----------------

#### Returns

a widget or {}.

### 7.22.3.4 getlineno()

```
RolePlayingDB3::XMLContentEditor::getlineno ( )
```

Return the line number.

#### Returns

the line number.

### 7.22.3.5 getpageno()

```
RolePlayingDB3::XMLContentEditor::getpageno ( )
```

Return page number

#### Returns

the page number.

### 7.22.3.6 outputXMLToPDF()

```
RolePlayingDB3::XMLContentEditor::outputXMLToPDF (
    pdfobj ,
    heading  = "Sheet ",
    curpage  = 0,
    curline  = 1000 )
```

Output the XML tree as PDF to a pdfobject.

#### Parameters

<i>pdfobj</i>	The pdfobject to write to.
<i>heading</i>	The main heading.
<i>curpage</i>	The current page number.
<i>curline</i>	The current line number.

### 7.22.3.7 recreateXML()

```
RolePlayingDB3::XMLContentEditor::recreateXML (
    file )
```

Regenerate the XML string and save it to a file.

#### Parameters

<i>file</i>	The name of the file to write to.
-------------	-----------------------------------

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

- RPGUtilities.tcl

# Index

- - gettext, [15](#)
- \_createEditDialog
  - RolePlayingDB3::MapEditor, [41](#)
- \_m
  - gettext, [15](#)
- \_mx
  - gettext, [16](#)
- ~ParseXML
  - ParseXML, [47](#)
- ~RPGDirent
  - vfs::rpg::RPGDirent, [51](#)
- ~RPGFileSystem
  - vfs::rpg::RPGFileSystem, [55](#)
- ~SimpleDOMElement
  - SimpleDOMElement, [64](#)
- ~XMLContentEditor
  - RolePlayingDB3::XMLContentEditor, [82](#)
- add
  - DynamicHelp, [24](#)
- AddNewDirent
  - vfs::rpg::RPGDirent, [51](#)
- addchild
  - SimpleDOMElement, [65](#)
- appenddata
  - SimpleDOMElement, [65](#)
- attribute
  - SimpleDOMElement, [65](#)
- bcmdmethod
  - RolePlayingDB3::XMLContentEditor, [82](#)
- bind
  - RolePlayingDB3::LabeledScrolledText, [32](#)
- bindcanvas
  - RolePlayingDB3::ScrolledCanvas, [56](#)
- binditem
  - RolePlayingDB3::LabeledDirTree, [30](#)
- bitmap
  - IconBitmap, [27](#)
- checksave
  - RolePlayingDB3::LevelEditor, [33](#)
  - RolePlayingDB3::SpaceEditor, [71](#)
- children
  - SimpleDOMElement, [66](#)
- close
  - RolePlayingDB3::LevelEditor, [33](#)
  - RolePlayingDB3::MapEditor, [41](#)
  - RolePlayingDB3::SheetEdit, [59](#)
  - RolePlayingDB3::SpaceEditor, [71](#)
  - RolePlayingDB3::Template, [77](#)
- colorchanged
  - RolePlayingDB3::SpaceEditor, [72](#)
- ConfigurationType
  - ReadConfiguration, [16](#)
- configure
  - DynamicHelp, [24](#)
- data
  - SimpleDOMElement, [66](#)
- delete
  - DynamicHelp, [25](#)
- Dialog, [23](#)
- display
  - SimpleDOMElement, [66](#)
- displayTree
  - ParseXML, [47](#)
- drawonespace
  - RolePlayingDB3::LevelEditor, [34](#)
- drawspace
  - RolePlayingDB3::LevelEditor, [34](#)
  - RolePlayingDB3::MapEditor, [41](#)
- DynamicHelp, [24](#)
  - add, [24](#)
  - configure, [24](#)
  - delete, [25](#)
  - register, [25](#)
- DynamicHelp\_include
  - TclCommon, [13](#)
- edit
  - RolePlayingDB3::MapEditor, [42](#)
  - RolePlayingDB3::SheetEdit, [60](#)
  - RolePlayingDB3::Template, [77](#)
- ExtractTagValue
  - RolePlayingDB3::XMLContentEditor, [82](#)
- fail
  - vfs::rpg, [21](#)
- GeneratePrintDialog

- RolePlayingDB3, 19
- GetDirents
  - vfs::rpg::RPGDirent, 51
- getElementWidgetById
  - RolePlayingDB3::XMLContentEditor, 83
- getElementsById
  - SimpleDOMElement, 66
- getElementsByTagName
  - SimpleDOMElement, 67
- getParent
  - SimpleDOMElement, 67
- getcolor
  - RolePlayingDB3::SpaceEditor, 72
- getfile
  - RolePlayingDB3::SheetEdit, 60
  - RolePlayingDB3::Template, 77
- getimage
  - RolePlayingDB3::Graphic, 26
- getlineno
  - RolePlayingDB3::XMLContentEditor, 83
- getpageno
  - RolePlayingDB3::XMLContentEditor, 83
- getspacefile
  - RolePlayingDB3::SpaceEditor, 72
- gettext, 15
  - \_, 15
  - \_m, 15
  - \_mx, 16
- Graphic
  - RolePlayingDB3::Graphic, 26
- IconBitmap, 27
  - bitmap, 27
- IconImage, 28
  - image, 28
- image
  - IconImage, 28
- insert
  - RolePlayingDB3::ScrolledList, 57
- isChild
  - SimpleDOMElement, 68
- IsEven
  - ReadConfiguration, 17
- itemcget
  - RolePlayingDB3::LabeledDirTree, 30
  - RolePlayingDB3::ScrolledList, 58
- items
  - RolePlayingDB3::ScrolledList, 58
- LabeledDirTree
  - RolePlayingDB3::LabeledDirTree, 29
- LabeledScrolledText
  - RolePlayingDB3::LabeledScrolledText, 31
- length
  - SimpleDOMElement, 68

- LevelDirOption
  - RolePlayingDB3, 19
- LevelEditor
  - RolePlayingDB3::LevelEditor, 33
- LevelEditorOption
  - RolePlayingDB3, 19
- LookupMatch
  - vfs::rpg::RPGDirent, 52
- LookupName
  - vfs::rpg::RPGDirent, 52
- MapBundleMountPoint
  - RolePlayingDB3, 19
- MapEditor
  - RolePlayingDB3::MapEditor, 40
- MapEditorOption
  - RolePlayingDB3, 20
- Mount
  - vfs::rpg, 21
- new
  - RolePlayingDB3::LevelEditor, 35
  - RolePlayingDB3::MapEditor, 42
  - RolePlayingDB3::SheetEdit, 60, 61
  - RolePlayingDB3::SpaceEditor, 72, 73
  - RolePlayingDB3::Template, 77, 78
- newPDFPage
  - RolePlayingDB3::Template, 78
- NumDirents
  - vfs::rpg::RPGDirent, 53
- open
  - RolePlayingDB3::LevelEditor, 35
  - RolePlayingDB3::MapEditor, 42
  - RolePlayingDB3::SheetEdit, 61
  - RolePlayingDB3::SpaceEditor, 73
  - RolePlayingDB3::Template, 78, 79
- OpenFilename
  - RolePlayingDB3, 20
- openfile
  - RolePlayingDB3::MapEditor, 43
  - RolePlayingDB3::SheetEdit, 61
  - RolePlayingDB3::Template, 79
- opennew
  - RolePlayingDB3::MapEditor, 43
  - RolePlayingDB3::SheetEdit, 62
  - RolePlayingDB3::Template, 79
- openold
  - RolePlayingDB3::MapEditor, 43
  - RolePlayingDB3::SheetEdit, 62
  - RolePlayingDB3::Template, 79
- outputXMLToPDF
  - RolePlayingDB3::Template, 79
  - RolePlayingDB3::XMLContentEditor, 84

- ParseXML, 46
  - ~ParseXML, 47
  - displayTree, 47
  - ParseXML, 46
  - TopContainer, 47
  - validate, 48
- print
  - RolePlayingDB3::LevelEditor, 36
  - RolePlayingDB3::MapEditor, 44
  - RolePlayingDB3::SheetEdit, 62
  - RolePlayingDB3::SpaceEditor, 74
  - RolePlayingDB3::Template, 80
- printLevel
  - RolePlayingDB3::LevelEditor, 36
- printSpace
  - RolePlayingDB3::SpaceEditor, 74
- printprogress\_end
  - RolePlayingDB3::PrintDialog, 49
- printprogress\_setpageno
  - RolePlayingDB3::PrintDialog, 49
- printprogress\_start
  - RolePlayingDB3::PrintDialog, 49
- RPGDirent
  - vfs::rpg::RPGDirent, 50
- RPGFileSystem
  - vfs::rpg::RPGFileSystem, 54
- RPGSupport, 14
- ReadConfiguration, 16
  - ConfigurationType, 16
  - IsEven, 17
  - ReadConfiguration, 17
  - WriteConfiguration, 18
- recreateXML
  - RolePlayingDB3::LevelEditor, 37
  - RolePlayingDB3::MapEditor, 44
  - RolePlayingDB3::SheetEdit, 62
  - RolePlayingDB3::SpaceEditor, 75
  - RolePlayingDB3::XMLContentEditor, 84
- redrawdirtree
  - RolePlayingDB3::LabeledDirTree, 30
- redrawspace
  - RolePlayingDB3::SpaceEditor, 75
- register
  - DynamicHelp, 25
- removeChild
  - SimpleDOMElement, 68
- RemoveDirent
  - vfs::rpg::RPGDirent, 53
- removeeditor
  - RolePlayingDB3::LevelEditor, 37
- replaceChildren
  - SimpleDOMElement, 69
- rescalelevelmap
  - RolePlayingDB3::LevelEditor, 37
- rescantemplates
  - RolePlayingDB3::Template, 80
- RolePlayingDB3, 18
  - GeneratePrintDialog, 19
  - LevelDirOption, 19
  - LevelEditorOption, 19
  - MapBundleMountPoint, 19
  - MapEditorOption, 20
  - OpenFilename, 20
  - SaveFilename, 20
  - SpaceFileOption, 20
- RolePlayingDB3::Graphic, 26
  - getimage, 26
  - Graphic, 26
- RolePlayingDB3::LabeledDirTree, 28
  - binditem, 30
  - itemcget, 30
  - LabeledDirTree, 29
  - redrawdirtree, 30
- RolePlayingDB3::LabeledScrolledText, 31
  - bind, 32
  - LabeledScrolledText, 31
- RolePlayingDB3::LevelEditor, 32
  - checksave, 33
  - close, 33
  - drawonespace, 34
  - drawspace, 34
  - LevelEditor, 33
  - new, 35
  - open, 35
  - print, 36
  - printLevel, 36
  - recreateXML, 37
  - removeeditor, 37
  - rescalelevelmap, 37
  - save, 37
  - saveas, 37
  - setspaceposition, 38
  - updatelevelmap, 38
  - updatelevelmapcolor, 38
  - updateleveltree, 39
  - updatemediatree, 39
  - updatespacetree, 39
- RolePlayingDB3::MapEditor, 40
  - \_createEditDialog, 41
  - close, 41
  - drawspace, 41
  - edit, 42
  - MapEditor, 40
  - new, 42
  - open, 42
  - openfile, 43
  - opennew, 43

- openold, 43
- print, 44
- recreateXML, 44
- save, 44
- saveas, 44
- scaleXY, 44
- unscaleXY, 45
- updateleveltree, 45
- updatemediatree, 45
- RolePlayingDB3::PrintDialog, 48
  - printprogress\_end, 49
  - printprogress\_setpageno, 49
  - printprogress\_start, 49
- RolePlayingDB3::ScrolledCanvas, 55
  - bindcanvas, 56
  - ScrolledCanvas, 55
- RolePlayingDB3::ScrolledList, 56
  - insert, 57
  - itemcget, 58
  - items, 58
  - ScrolledList, 57
- RolePlayingDB3::SheetEdit, 58
  - close, 59
  - edit, 60
  - getfile, 60
  - new, 60, 61
  - open, 61
  - openfile, 61
  - opennew, 62
  - openold, 62
  - print, 62
  - recreateXML, 62
  - save, 62
  - saveas, 63
  - SheetEdit, 59
- RolePlayingDB3::SpaceEditor, 70
  - checksav, 71
  - close, 71
  - colorchanged, 72
  - getcolor, 72
  - getspacefile, 72
  - new, 72, 73
  - open, 73
  - print, 74
  - printSpace, 74
  - recreateXML, 75
  - redrawspace, 75
  - save, 75
  - saveas, 75
  - setdirty, 75
  - SpaceEditor, 71
- RolePlayingDB3::Template, 76
  - close, 77
  - edit, 77
  - getfile, 77
  - new, 77, 78
  - newPDFPage, 78
  - open, 78, 79
  - openfile, 79
  - opennew, 79
  - openold, 79
  - outputXMLToPDF, 79
  - print, 80
  - rescantemplates, 80
  - save, 80
  - saveas, 80
  - Template, 76
- RolePlayingDB3::XMLContentEditor, 81
  - ~XMLContentEditor, 82
  - bcmdmethod, 82
  - ExtractTagValue, 82
  - getElementWidgetById, 83
  - getlineno, 83
  - getpageno, 83
  - outputXMLToPDF, 84
  - recreateXML, 84
  - XMLContentEditor, 81
- RolePlayingDB3::chroot\_chooseDirectory, 23
- RolePlayingDB3::chroot\_getFile, 23
- save
  - RolePlayingDB3::LevelEditor, 37
  - RolePlayingDB3::MapEditor, 44
  - RolePlayingDB3::SheetEdit, 62
  - RolePlayingDB3::SpaceEditor, 75
  - RolePlayingDB3::Template, 80
- SaveFilename
  - RolePlayingDB3, 20
- saveas
  - RolePlayingDB3::LevelEditor, 37
  - RolePlayingDB3::MapEditor, 44
  - RolePlayingDB3::SheetEdit, 63
  - RolePlayingDB3::SpaceEditor, 75
  - RolePlayingDB3::Template, 80
- scaleXY
  - RolePlayingDB3::MapEditor, 44
- ScrolledCanvas
  - RolePlayingDB3::ScrolledCanvas, 55
- ScrolledList
  - RolePlayingDB3::ScrolledList, 57
- setAttribute
  - SimpleDOMEElement, 69
- setdata
  - SimpleDOMEElement, 69
- setdirty
  - RolePlayingDB3::SpaceEditor, 75
- setspaceposition
  - RolePlayingDB3::LevelEditor, 38

- SheetEdit
  - RolePlayingDB3::SheetEdit, 59
- SimpleDOMEElement, 63
  - ~SimpleDOMEElement, 64
  - addchild, 65
  - appenddata, 65
  - attribute, 65
  - children, 66
  - data, 66
  - display, 66
  - getElementsById, 66
  - getElementsByTagName, 67
  - getParent, 67
  - isChild, 68
  - length, 68
  - removeChild, 68
  - replaceChildren, 69
  - setAttribute, 69
  - setdata, 69
  - SimpleDOMEElement, 64
  - validate, 70
- SpaceEditor
  - RolePlayingDB3::SpaceEditor, 71
- SpaceFileOption
  - RolePlayingDB3, 20
- TclCommon, 13
  - DynamicHelp\_include, 13
- Template
  - RolePlayingDB3::Template, 76
- TopContainer
  - ParseXML, 47
- unscaleXY
  - RolePlayingDB3::MapEditor, 45
- updatelevelmap
  - RolePlayingDB3::LevelEditor, 38
- updatelevelmapcolor
  - RolePlayingDB3::LevelEditor, 38
- updateleveltree
  - RolePlayingDB3::LevelEditor, 39
  - RolePlayingDB3::MapEditor, 45
- updatemediatree
  - RolePlayingDB3::LevelEditor, 39
  - RolePlayingDB3::MapEditor, 45
- updatespacetree
  - RolePlayingDB3::LevelEditor, 39
- validate
  - ParseXML, 48
  - SimpleDOMEElement, 70
- vfs::rpg, 21
  - fail, 21
  - Mount, 21
- vfs::rpg::RPGDirent, 49
  - ~RPGDirent, 51
  - AddNewDirent, 51
  - GetDirents, 51
  - LookupMatch, 52
  - LookupName, 52
  - NumDirents, 53
  - RPGDirent, 50
  - RemoveDirent, 53
- vfs::rpg::RPGFileSystem, 54
  - ~RPGFileSystem, 55
  - RPGFileSystem, 54
- WriteConfiguration
  - ReadConfiguration, 18
- XMLContentEditor
  - RolePlayingDB3::XMLContentEditor, 81