

# wxCas Reference Manual

## 1.0

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# Chapter 1

## wxCas Class Index

### 1.1 wxCas Class List

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## Chapter 2

# wxCas File Index

### 2.1 wxCas File List

Here is a list of all files with brief descriptions:

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## Chapter 3

# wxCas Class Documentation

### 3.1 LinuxMon Class Reference

Linux Monitoring.

```
#include <linuxmon.h>
```

#### Public Member Functions

- [LinuxMon](#) ()  
*Constructor.*
- [~LinuxMon](#) ()  
*Destructor.*
- void [Refresh](#) ()  
*Refresh stored informations.*
- wxString [GetUptime](#) () const  
*Get system uptime.*
- float [GetSysLoad\\_1](#) () const  
*Get 1min average CPU load.*
- float [GetSysLoad\\_5](#) () const  
*Get 5min averag CPU load.*
- float [GetSysLoad\\_15](#) () const  
*Get 15min averag CPU load.*

### 3.1.1 Detailed Description

Linux Monitoring.

Name: LinuxMon Class

Purpose: Monitor Linux system by reading /proc file system

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 45 of file linuxmon.h.

### 3.1.2 Constructor & Destructor Documentation

#### 3.1.2.1 LinuxMon::LinuxMon ()

Constructor.

Definition at line 54 of file linuxmon.cpp.

#### 3.1.2.2 LinuxMon::~~LinuxMon ()

Destructor.

Definition at line 63 of file linuxmon.cpp.

### 3.1.3 Member Function Documentation

**3.1.3.1 float LinuxMon::GetSysLoad\_1 () const**

Get 1min average CPU load.

Definition at line 102 of file linuxmon.cpp.

**3.1.3.2 float LinuxMon::GetSysLoad\_15 () const**

Get 15min averag CPU load.

Definition at line 114 of file linuxmon.cpp.

**3.1.3.3 float LinuxMon::GetSysLoad\_5 () const**

Get 5min averag CPU load.

Definition at line 108 of file linuxmon.cpp.

**3.1.3.4 wxString LinuxMon::GetUptime () const**

Get system uptime.

Definition at line 96 of file linuxmon.cpp.

**3.1.3.5 void LinuxMon::Refresh ()**

Refresh stored informations.

Definition at line 68 of file linuxmon.cpp.

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

- [linuxmon.h](#)
- [linuxmon.cpp](#)

## 3.2 OnLineSig Class Reference

amulesig.dat file monitoring

```
#include <onlinesig.h>
```

### Public Member Functions

- [OnLineSig](#) ()  
*Default constructor.*
- [OnLineSig](#) (wxFileName \*file)  
*Constructor.*
- [~OnLineSig](#) ()  
*Destructor.*
- void [SetAmuleSig](#) (wxFileName \*file)  
*Set amulesig.dat file name and path.*
- void [Refresh](#) ()  
*Refresh stored informations.*
- bool [IsRunning](#) () const  
*Return TRUE if aMule is running.*
- wxString [GetServerName](#) () const  
*Get server name.*
- wxString [GetServerIP](#) () const  
*Get server IP.*
- wxString [GetServerPort](#) () const  
*Get server Port.*
- wxString [GetConnexionID](#) () const  
*Get server connexion ID: H or L.*
- wxString [GetULRate](#) () const  
*Get Upload rate.*
- wxString [GetDLRate](#) () const  
*Get Download rate.*

- wxString [GetQueue](#) () const  
*Get number of clients in queue.*
- wxString [GetSharedFiles](#) () const  
*Get number of shared files.*
- wxString [GetUser](#) () const  
*Get user name.*
- wxString [GetTotalUL](#) () const  
*Get total Upload.*
- wxString [GetTotalDL](#) () const  
*Get total Download.*
- wxString [GetVersion](#) () const  
*Get aMule version.*
- wxString [GetSessionUL](#) () const  
*Get session Upload.*
- wxString [GetSessionDL](#) () const  
*Get session Download.*
- wxString [GetRunTime](#) () const  
*Get aMule runtime.*
- wxString [GetConvertedTotalUL](#) ()  
*Get total Upload in the best representative unit.*
- wxString [GetConvertedTotalDL](#) ()  
*Get total Download in the best representative unit.*
- wxString [GetConvertedSessionUL](#) ()  
*Get session Upload in the best representative unit.*
- wxString [GetConvertedSessionDL](#) ()  
*Get session Download in the best representative unit.*
- wxString [GetConnexionIDType](#) () const  
*Get server connexion ID: LowID or HighID.*
- wxString [GetMaxDL](#) () const  
*Get max Download rate sine wxCas is running.*

### 3.2.1 Detailed Description

amulesig.dat file monitoring

Name: OnLineSig Class

Purpose: Monitor aMule Online Statistics by reading amulesig.dat file

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 45 of file onlinesig.h.

### 3.2.2 Constructor & Destructor Documentation

#### 3.2.2.1 OnLineSig::OnLineSig ()

Default constructor.

Name: OnLineSig Class

Purpose: Monitor aMule Online Statistics by reading amulesig.dat file

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 49 of file onlinesig.cpp.

#### 3.2.2.2 OnLineSig::OnLineSig (wxFileName \*file)

Constructor.

Definition at line 79 of file onlinesig.cpp.

References Refresh().

#### 3.2.2.3 OnLineSig::~OnLineSig ()

Destructor.

Definition at line 86 of file onlinesig.cpp.

### 3.2.3 Member Function Documentation

#### 3.2.3.1 wxString OnLineSig::GetConnexionID () const

Get server connexion ID: H or L.

Definition at line 166 of file onlinesig.cpp.

#### 3.2.3.2 wxString OnLineSig::GetConnexionIDType () const

Get server connexion ID: LowID or HighID.

Definition at line 247 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### 3.2.3.3 wxString OnLineSig::GetConvertedSessionDL ()

Get session Download in the best representative unit.

Definition at line 242 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.4 wxString OnLineSig::GetConvertedSessionUL ()**

Get session Upload in the best representative unit.

Definition at line 237 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.5 wxString OnLineSig::GetConvertedTotalDL ()**

Get total Download in the best representative unit.

Definition at line 232 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.6 wxString OnLineSig::GetConvertedTotalUL ()**

Get total Upload in the best representative unit.

Definition at line 227 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.7 wxString OnLineSig::GetDLRate () const**

Get Download rate.

Definition at line 176 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.8 wxString OnLineSig::GetMaxDL () const**

Get max Download rate sine wxCas is running.

Definition at line 259 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.9 wxString OnLineSig::GetQueue () const**

Get number of clients in queue.

Definition at line 181 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

**3.2.3.10 wxString OnLineSig::GetRunTime () const**

Get aMule runtime.



Definition at line 222 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.11 wxString OnLineSig::GetServerIP () const**

Get server IP.

Definition at line 156 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.12 wxString OnLineSig::GetServerName () const**

Get server name.

Definition at line 151 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.13 wxString OnLineSig::GetServerPort () const**

Get server Port.

Definition at line 161 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.14 wxString OnLineSig::GetSessionDL () const**

Get session Download.

Definition at line 217 of file onlinesig.cpp.

#### **3.2.3.15 wxString OnLineSig::GetSessionUL () const**

Get session Upload.

Definition at line 212 of file onlinesig.cpp.

#### **3.2.3.16 wxString OnLineSig::GetSharedFiles () const**

Get number of shared files.

Definition at line 186 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.17 wxString OnLineSig::GetTotalDL () const**

Get total Download.

Definition at line 202 of file onlinesig.cpp.

#### **3.2.3.18 wxString OnLineSig::GetTotalUL () const**

Get total Upload.

Definition at line 196 of file onlinesig.cpp.

#### **3.2.3.19 wxString OnLineSig::GetULRate () const**

Get Upload rate.

Definition at line 171 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.20 wxString OnLineSig::GetUser () const**

Get user name.

Definition at line 191 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.21 wxString OnLineSig::GetVersion () const**

Get aMule version.

Definition at line 207 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.22 bool OnLineSig::IsRunning () const**

Return TRUE if aMule is running.

Definition at line 139 of file onlinesig.cpp.

Referenced by WxCasFrame::UpdateStatsPanel().

#### **3.2.3.23 void OnLineSig::Refresh ()**

Refresh stored informations.

Definition at line 100 of file onlinesig.cpp.

Referenced by OnLineSig(), SetAmuleSig(), and WxCasFrame::UpdateStatsPanel().

#### **3.2.3.24 void OnLineSig::SetAmuleSig (wxFileName \*file)**

Set amulesig.dat file name and path.

Definition at line 93 of file onlinesig.cpp.

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

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

- [onlinesig.h](#)
- [onlinesig.cpp](#)

## 3.3 WxCas Class Reference

Application.

```
#include <>wxcas.h>
```

### Public Member Functions

- virtual bool [OnInit](#) ()  
*Application initialisation.*
- virtual int [OnExit](#) ()  
*Cleaning on exit.*
- [WxCasFrame](#) \* [GetMainFrame](#) () const  
*Get application main frame.*

### 3.3.1 Detailed Description

Application.

Name: wxCas Class

Purpose: wxCas application class

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 45 of file wxcas.h.

## 3.3.2 Member Function Documentation

### 3.3.2.1 [WxCasFrame](#) \* WxCas::GetMainFrame () const

Get application main frame.

Definition at line 93 of file wxcas.cpp.

### 3.3.2.2 int WxCas::OnExit () [virtual]

Cleaning on exit.

Definition at line 86 of file wxcas.cpp.

### 3.3.2.3 bool WxCas::OnInit () [virtual]

Application initialisation.

Definition at line 54 of file wxcas.cpp.

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

- [wxcas.h](#)
- [wxcas.cpp](#)

## 3.4 WxCasCanvas Class Reference

Splash canvas.

```
#include <>wxcascanvas.h>
```

### Public Member Functions

- [WxCasCanvas](#) (wxWindow \*parent, wxWindow \*model)

*Constructor.*

- [~WxCasCanvas](#) ()

*Destructor.*

- void [DrawImg](#) (wxDC \*dc)

*Draw aMule splash.*

- void [Update](#) ()

*Update splash on model resizing.*

### Protected Member Functions

- void [OnPaint](#) (wxPaintEvent &event)
- [DECLARE\\_EVENT\\_TABLE](#) ()

#### 3.4.1 Detailed Description

Splash canvas.

Name: WxCasCanvas Class

Purpose: Display aMule splash and resize it accordingly to the statistics panel size

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 44 of file wxcascanvas.h.

### 3.4.2 Constructor & Destructor Documentation

#### 3.4.2.1 WxCasCanvas::WxCasCanvas (wxWindow \* *parent*, wxWindow \* *model*)

Constructor.

Name: wxCasCanvas Class

Purpose: Display aMule splash and resize it accordingly to the statistics panel size

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 50 of file wxcascanvas.cpp.

References DrawImg().

#### 3.4.2.2 WxCasCanvas::~WxCasCanvas ()

Destructor.

Definition at line 64 of file wxcascanvas.cpp.

### 3.4.3 Member Function Documentation

#### 3.4.3.1 **WxCasCanvas::DECLARE\_EVENT\_TABLE ()** [protected]

#### 3.4.3.2 **void WxCasCanvas::DrawImg (wxDC \* *dc*)**

Draw aMule splash.

Definition at line 96 of file wxcascanvas.cpp.

Referenced by OnPaint(), Update(), and WxCasCanvas().

#### 3.4.3.3 **void WxCasCanvas::OnPaint (wxPaintEvent & *event*)** [protected]

Definition at line 74 of file wxcascanvas.cpp.

References DrawImg().

#### 3.4.3.4 **void WxCasCanvas::Update ()**

Update splash on model resizing.

Definition at line 82 of file wxcascanvas.cpp.

References DrawImg().

Referenced by WxCasFrame::UpdateAll().

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

- [wxcascanvas.h](#)
- [wxcascanvas.cpp](#)



## 3.5 WxCasCte Struct Reference

Constants used in wxCas.

```
#include <wxcascte.h>
```

### Static Public Attributes

- const wxString [AMULESIG\\_FILENAME](#)  
*Name of amulesig.dat file.*
- const wxString [AMULESIG\\_IMG\\_NAME](#)  
*Name of the generated statistics image.*
- const wxUint32 [MIN\\_REFRESH\\_RATE](#) = 1  
*Refresh rate minimum limit.*
- const wxUint32 [MAX\\_REFRESH\\_RATE](#) = 3600  
*Refresh rate maximum limit.*
- const wxUint32 [MIN\\_FTP\\_RATE](#) = 1  
*FTP update rate minimum limit.*
- const wxUint32 [MAX\\_FTP\\_RATE](#) = 1440  
*FTP update rate maximum limit.*
- const wxString [AMULESIG\\_PATH\\_KEY](#)  
*Configuration key for amulesig.dat file's directory.*
- const wxString [REFRESH\\_RATE\\_KEY](#)  
*Configuration key for refresh rate.*
- const wxString [ENABLE\\_AUTOSTATIMG\\_KEY](#)  
*Configuration key for enabling autogenation of statistics image.*
- const wxString [AUTOSTATIMG\\_DIR\\_KEY](#)  
*Configuration key for auto saving statistics image directory.*
- const wxString [AUTOSTATIMG\\_TYPE\\_KEY](#)  
*Configuration key for auto saving statistics image type.*
- const wxString [ENABLE\\_FTP\\_UPDATE\\_KEY](#)  
*Configuration key for enabling FTP auto update.*

- const wxString [FTP\\_UPDATE\\_RATE\\_KEY](#)  
*Configuration key for FTP update rate.*
- const wxString [FTP\\_URL\\_KEY](#)  
*Configuration key for FTP URL.*
- const wxString [FTP\\_PATH\\_KEY](#)  
*Configuration key for FTP path.*
- const wxString [FTP\\_USER\\_KEY](#)  
*Configuration key for FTP login username.*
- const wxString [FTP\\_PASSWD\\_KEY](#)  
*Configuration key for FTP login password.*
- const wxString [DEFAULT\\_AMULESIG\\_PATH](#)  
*Configuration default amulesig.dat file's directory.*
- const wxUint32 [DEFAULT\\_REFRESH\\_RATE](#) = 5  
*Configuration default for refresh rate.*
- const bool [DEFAULT\\_AUTOSTATIMG\\_IENABLED](#) = FALSE  
*Configuration default for enabling autogenation of statistics image.*
- const wxString [DEFAULT\\_AUTOSTATIMG\\_PATH](#)  
*Configuration default for auto saving statistics image directory.*
- const wxString [DEFAULT\\_AUTOSTATIMG\\_TYPE](#)  
*Configuration default for auto saving statistics image type.*
- const bool [DEFAULT\\_FTP\\_UPDATE\\_IENABLED](#) = FALSE  
*Configuration default for enabling FTP auto update.*
- const wxUint32 [DEFAULT\\_FTP\\_UPDATE\\_RATE](#) = 10  
*Configuration default for FTP update rate.*
- const wxString [DEFAULT\\_FTP\\_URL](#)  
*Configuration default for FTP URL.*
- const wxString [DEFAULT\\_FTP\\_PATH](#)  
*Configuration default for FTP path.*
- const wxString [DEFAULT\\_FTP\\_USER](#)  
*Configuration default for FTP login username.*

- `const wxString` [DEFAULT\\_FTP\\_PASSWD](#)  
*Configuration default for FTP login password.*

### 3.5.1 Detailed Description

Constants used in wxCas.

Name: wxCasCte Structure

Purpose: Store constants used in wxCas application

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 43 of file wxcascte.h.

### 3.5.2 Member Data Documentation

#### 3.5.2.1 `const wxString` [WxCasCte::AMULESIG\\_FILENAME](#) [static]

Name of amulesig.dat file.

Name: wxCasCte Structure

Purpose: Store constants used in wxCas application

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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### **3.5.2.2** `const wxString WxCasCte::AMULESIG_IMG_NAME` [static]

Name of the generated statistics image.

### **3.5.2.3** `const wxString WxCasCte::AMULESIG_PATH_KEY` [static]

Configuration key for amulesig.dat file's directory.

### **3.5.2.4** `const wxString WxCasCte::AUTOSTATIMG_DIR_KEY` [static]

Configuration key for auto saving statistics image directory.

### **3.5.2.5** `const wxString WxCasCte::AUTOSTATIMG_TYPE_KEY` [static]

Configuration key for auto saving statistics image type.

### **3.5.2.6** `const wxString WxCasCte::DEFAULT_AMULESIG_PATH` [static]

Configuration default amulesig.dat file's directory.

### **3.5.2.7** `const bool WxCasCte::DEFAULT_AUTOSTATIMG_IENABLED = FALSE` [static]

Configuration default for enabling autogenation of statistics image.

Definition at line 98 of file wxcascte.cpp.

**3.5.2.8** `const wxString WxCasCte::DEFAULT_AUTOSTATIMG_PATH`  
[static]

Configuration default for auto saving statistics image directory.

**3.5.2.9** `const wxString WxCasCte::DEFAULT_AUTOSTATIMG_TYPE`  
[static]

Configuration default for auto saving statistics image type.

**3.5.2.10** `const wxString WxCasCte::DEFAULT_FTP_PASSWD` [static]

Configuration default for FTP login password.

**3.5.2.11** `const wxString WxCasCte::DEFAULT_FTP_PATH` [static]

Configuration default for FTP path.

**3.5.2.12** `const bool WxCasCte::DEFAULT_FTP_UPDATE_IENABLED = FALSE` [static]

Configuration default for enabling FTP auto update.

Definition at line 105 of file wxcascte.cpp.

**3.5.2.13** `const wxUInt32 WxCasCte::DEFAULT_FTP_UPDATE_RATE = 10`  
[static]

Configuration default for FTP update rate.

Definition at line 107 of file wxcascte.cpp.

**3.5.2.14** `const wxString WxCasCte::DEFAULT_FTP_URL` [static]

Configuration default for FTP URL.

**3.5.2.15** `const wxString WxCasCte::DEFAULT_FTP_USER` `[static]`

Configuration default for FTP login username.

**3.5.2.16** `const wxUint32 WxCasCte::DEFAULT_REFRESH_RATE = 5`  
`[static]`

Configuration default for refresh rate.

Definition at line 95 of file wxcascte.cpp.

**3.5.2.17** `const wxString WxCasCte::ENABLE_AUTOSTATING_KEY`  
`[static]`

Configuration key for enabling autogenation of statistics image.

**3.5.2.18** `const wxString WxCasCte::ENABLE_FTP_UPDATE_KEY`  
`[static]`

Configuration key for enabling FTP auto update.

**3.5.2.19** `const wxString WxCasCte::FTP_PASSWD_KEY` `[static]`

Configuration key for FTP login password.

**3.5.2.20** `const wxString WxCasCte::FTP_PATH_KEY` `[static]`

Configuration key for FTP path.

**3.5.2.21** `const wxString WxCasCte::FTP_UPDATE_RATE_KEY` `[static]`

Configuration key for FTP update rate.

**3.5.2.22** `const wxString WxCasCte::FTP_URL_KEY` `[static]`

Configuration key for FTP URL.

**3.5.2.23** `const wxString WxCasCte::FTP_USER_KEY [static]`

Configuration key for FTP login username.

**3.5.2.24** `const wxUInt32 WxCasCte::MAX_FTP_RATE = 1440 [static]`

FTP update rate maximum limit.

Definition at line 60 of file wxcascte.cpp.

**3.5.2.25** `const wxUInt32 WxCasCte::MAX_REFRESH_RATE = 3600 [static]`

Refresh rate maximum limit.

Definition at line 54 of file wxcascte.cpp.

**3.5.2.26** `const wxUInt32 WxCasCte::MIN_FTP_RATE = 1 [static]`

FTP update rate minimum limit.

Definition at line 58 of file wxcascte.cpp.

**3.5.2.27** `const wxUInt32 WxCasCte::MIN_REFRESH_RATE = 1 [static]`

Refresh rate minimum limit.

Definition at line 52 of file wxcascte.cpp.

**3.5.2.28** `const wxString WxCasCte::REFRESH_RATE_KEY [static]`

Configuration key for refresh rate.

The documentation for this struct was generated from the following files:

- [wxcascte.h](#)
- [wxcascte.cpp](#)

## 3.6 WxCasFrame Class Reference

Main wxCas Frame.

```
#include <wxcasframe.h>
```

### Public Member Functions

- [WxCasFrame](#) (const wxString &title)  
*Constructor.*
- [~WxCasFrame](#) ()  
*Destructor.*
- wxImage \* [GetStatImage](#) () const  
*Get Online statistics image.*
- bool [ChangeRefreshPeriod](#) (wxInt32 newPeriod)  
*Refresh timer period changing.*
- bool [ChangeFtpUpdatePeriod](#) (wxInt32 newPeriod)  
*Refresh timer period changing.*

### Protected Member Functions

- bool [UpdateStatsPanel](#) ()
- void [UpdateAll](#) ()
- void [OnBarRefresh](#) (wxCommandEvent &event)
- void [OnBarAbout](#) (wxCommandEvent &event)
- void [OnBarSave](#) (wxCommandEvent &event)
- void [OnBarPrint](#) (wxCommandEvent &event)
- void [OnBarPrefs](#) (wxCommandEvent &event)
- void [OnRefreshTimer](#) (wxTimerEvent &event)
- void [OnFtpUpdateTimer](#) (wxTimerEvent &event)
- [DECLARE\\_EVENT\\_TABLE](#) ()

#### 3.6.1 Detailed Description

Main wxCas Frame.

Name: wxCasFrame Class

Purpose: wxCas main frame



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Definition at line 55 of file wxcasframe.h.

## 3.6.2 Constructor & Destructor Documentation

### 3.6.2.1 WxCasFrame::WxCasFrame (const wxString & title)

Constructor.

Definition at line 69 of file wxcasframe.cpp.

References `UpdateAll()`, and `wxCLOSE_BOX`.

### 3.6.2.2 WxCasFrame::~WxCasFrame ()

Destructor.

Definition at line 214 of file wxcasframe.cpp.

## 3.6.3 Member Function Documentation

### 3.6.3.1 bool WxCasFrame::ChangeFtpUpdatePeriod (wxInt32 newPeriod)

Refresh timer period changing.

Definition at line 736 of file wxcasframe.cpp.

**3.6.3.2 bool WxCasFrame::ChangeRefreshPeriod (wxInt32 *newPeriod*)**

Refresh timer period changing.

Definition at line 713 of file wxcasframe.cpp.

**3.6.3.3 WxCasFrame::DECLARE\_EVENT\_TABLE () [protected]****3.6.3.4 wxImage \* WxCasFrame::GetStatImage () const**

Get Online statistics image.

Definition at line 237 of file wxcasframe.cpp.

Referenced by OnBarSave(), and OnRefreshTimer().

**3.6.3.5 void WxCasFrame::OnBarAbout (wxCommandEvent & *event*)  
[protected]**

Definition at line 363 of file wxcasframe.cpp.

**3.6.3.6 void WxCasFrame::OnBarPrefs (wxCommandEvent & *event*)  
[protected]**

Definition at line 355 of file wxcasframe.cpp.

**3.6.3.7 void WxCasFrame::OnBarPrint (wxCommandEvent & *event*)  
[protected]**

Definition at line 338 of file wxcasframe.cpp.

**3.6.3.8 void WxCasFrame::OnBarRefresh (wxCommandEvent & *event*)  
[protected]**

Definition at line 281 of file wxcasframe.cpp.

**3.6.3.9 void WxCasFrame::OnBarSave (wxCommandEvent & *event*)  
[protected]**

Definition at line 309 of file wxcasframe.cpp.

References GetStatImage().

**3.6.3.10 void WxCasFrame::OnFtpUpdateTimer (wxTimerEvent & event)**  
[protected]

Definition at line 409 of file wxcasframe.cpp.

**3.6.3.11 void WxCasFrame::OnRefreshTimer (wxTimerEvent & event)**  
[protected]

Definition at line 375 of file wxcasframe.cpp.

References `GetStatImage()`, and `UpdateAll()`.

**3.6.3.12 void WxCasFrame::UpdateAll ()** [protected]

Definition at line 491 of file wxcasframe.cpp.

References `WxCasCanvas::Update()`, and `UpdateStatsPanel()`.

Referenced by `OnRefreshTimer()`, and `WxCasFrame()`.

**3.6.3.13 bool WxCasFrame::UpdateStatsPanel ()** [protected]

Definition at line 504 of file wxcasframe.cpp.

References `OnLineSig::GetConnexionIDType()`, `OnLineSig::GetConvertedSessionDL()`, `OnLineSig::GetConvertedSessionUL()`, `OnLineSig::GetConvertedTotalDL()`, `OnLineSig::GetConvertedTotalUL()`, `OnLineSig::GetDLRate()`, `OnLineSig::GetMaxDL()`, `OnLineSig::GetQueue()`, `OnLineSig::GetRunTime()`, `OnLineSig::GetServerIP()`, `OnLineSig::GetServerName()`, `OnLineSig::GetServerPort()`, `OnLineSig::GetSharedFiles()`, `OnLineSig::GetULRate()`, `OnLineSig::GetUser()`, `OnLineSig::GetVersion()`, `OnLineSig::IsRunning()`, and `OnLineSig::Refresh()`.

Referenced by `UpdateAll()`.

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

- [wxcasframe.h](#)
- [wxcasframe.cpp](#)

## 3.7 WxCasPrefs Class Reference

Preference Dialog.

```
#include <wxcasprefs.h>
```

### Public Member Functions

- [WxCasPrefs](#) (wxWindow \*parent)

*Constructor.*

- [~WxCasPrefs](#) ()

*Destructor.*

### Protected Member Functions

- void [OnOSPathBrowseButton](#) (wxCommandEvent &event)
- void [OnValidateButton](#) (wxCommandEvent &event)
- void [OnAutoStatImgBrowseButton](#) (wxCommandEvent &event)
- void [OnAutoStatImgCheck](#) (wxCommandEvent &event)
- void [OnFtpUpdateCheck](#) (wxCommandEvent &event)
- [DECLARE\\_EVENT\\_TABLE](#) ()

#### 3.7.1 Detailed Description

Preference Dialog.

Name: wxCasPrefs Class

Purpose: Display user preferences dialog and manage configuration storage system

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Definition at line 47 of file wxcasprefs.h.

## 3.7.2 Constructor & Destructor Documentation

### 3.7.2.1 WxCasPrefs::WxCasPrefs (wxWindow \* *parent*)

Constructor.

Name: WxCasPrefs Class

Purpose: Display user preferences dialog and manage configuration storage system

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 49 of file wxcasprefs.cpp.

### 3.7.2.2 WxCasPrefs::~WxCasPrefs ()

Destructor.

Definition at line 321 of file wxcasprefs.cpp.

## 3.7.3 Member Function Documentation

### 3.7.3.1 WxCasPrefs::DECLARE\_EVENT\_TABLE () [protected]

**3.7.3.2 void WxCasPrefs::OnAutoStatImgBrowseButton (wxCommandEvent & event) [protected]**

Definition at line 349 of file wxcasprefs.cpp.

**3.7.3.3 void WxCasPrefs::OnAutoStatImgCheck (wxCommandEvent & event) [protected]**

Definition at line 363 of file wxcasprefs.cpp.

**3.7.3.4 void WxCasPrefs::OnFtpUpdateCheck (wxCommandEvent & event) [protected]**

Definition at line 386 of file wxcasprefs.cpp.

**3.7.3.5 void WxCasPrefs::OnOSPathBrowseButton (wxCommandEvent & event) [protected]**

**3.7.3.6 void WxCasPrefs::OnValidateButton (wxCommandEvent & event) [protected]**

Definition at line 399 of file wxcasprefs.cpp.

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

- [wxcasprefs.h](#)
- [wxcasprefs.cpp](#)

## 3.8 WxCasPrint Class Reference

Statistic image printing.

```
#include <wxcasprint.h>
```

### Public Member Functions

- [WxCasPrint](#) (const wxString &title)  
*Constructor.*
- [~WxCasPrint](#) ()  
*Destructor.*
- bool [OnPrintPage](#) (int page)
- bool [HasPage](#) (int page)
- bool [OnBeginDocument](#) (int startPage, int endPage)
- void [GetPageInfo](#) (int \*minPage, int \*maxPage, int \*selPageFrom, int \*selPageTo)
- void [DrawPageOne](#) (wxDC \*dc)

### 3.8.1 Detailed Description

Statistic image printing.

Name: wxCasPrint Class

Purpose: Manage statistics image printing

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Definition at line 45 of file wxcasprint.h.

## 3.8.2 Constructor & Destructor Documentation

### 3.8.2.1 WxCasPrint::WxCasPrint (const wxString & title)

Constructor.

Name: wxCasPrint Class

Purpose: Manage statistics image printing

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 48 of file wxcasprint.cpp.

### 3.8.2.2 WxCasPrint::~~WxCasPrint ()

Destructor.

Definition at line 52 of file wxcasprint.cpp.

## 3.8.3 Member Function Documentation

### 3.8.3.1 void WxCasPrint::DrawPageOne (wxDC \* dc)

Definition at line 108 of file wxcasprint.cpp.

Referenced by OnPrintPage().



**3.8.3.2 void WxCasPrint::GetPageInfo (int \* *minPage*, int \* *maxPage*, int \* *selPageFrom*, int \* *selPageTo*)**

Definition at line 92 of file wxcasprint.cpp.

**3.8.3.3 bool WxCasPrint::HasPage (int *page*)**

Definition at line 102 of file wxcasprint.cpp.

**3.8.3.4 bool WxCasPrint::OnBeginDocument (int *startPage*, int *endPage*)**

Definition at line 79 of file wxcasprint.cpp.

**3.8.3.5 bool WxCasPrint::OnPrintPage (int *page*)**

Definition at line 56 of file wxcasprint.cpp.

References DrawPageOne().

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

- [wxcasprint.h](#)
- [wxcasprint.cpp](#)



## Chapter 4

# wxCas File Documentation

### 4.1 linuxmon.cpp File Reference

```
#include "wx/wxprec.h"  
#include "linuxmon.h"  
#include <wx/txtstrm.h>  
#include <wx/wfstream.h>
```

## 4.2 linuxmon.h File Reference

```
#include <wx/wx.h>  
#include <wx/filename.h>
```

### Classes

- class [LinuxMon](#)  
*Linux Monitoring.*

## 4.3 onlinesig.cpp File Reference

```
#include "wx/wxprec.h"  
#include "onlinesig.h"  
#include "wxcascte.h"  
#include <wx/txtstrm.h>  
#include <wx/wfstream.h>  
#include <wx/config.h>
```

## 4.4 onlinesig.h File Reference

```
#include <wx/wx.h>  
#include <wx/filename.h>
```

### Classes

- class [OnLineSig](#)  
*amulesig.dat file monitoring*

## 4.5 wxcas.cpp File Reference

```
#include "wx/wxprec.h"
#include <wx/image.h>
#include <wx/config.h>
#include "wxcas.h"
```

### Functions

- [IMPLEMENT\\_APP](#) ([WxCas](#))

#### 4.5.1 Function Documentation

##### 4.5.1.1 [IMPLEMENT\\_APP](#) ([WxCas](#))

Name: wxCas Class

Purpose: wxCas application class

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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## 4.6 wxcas.h File Reference

```
#include <wx/wx.h>
#include "wxcasframe.h"
```

### Classes

- class [WxCas](#)  
*Application.*

### Functions

- [DECLARE\\_APP](#) ([WxCas](#))

#### 4.6.1 Function Documentation

##### 4.6.1.1 DECLARE\_APP ([WxCas](#))



## 4.7 wxcascanvas.cpp File Reference

```
#include "wx/wxprec.h"  
#include <wx/image.h>  
#include "wxcascanvas.h"  
#include "../pixmaps/amule.xpm"
```

## 4.8 wxcascanvas.h File Reference

```
#include <wx/wx.h>
```

### Classes

- class [WxCasCanvas](#)  
*Splash canvas.*

## 4.9 wxcascte.cpp File Reference

```
#include "wx/wxprec.h"  
#include <wx/filename.h>  
#include "wxcascte.h"
```

## 4.10 wxcascte.h File Reference

```
#include <wx/wx.h>
```

### Classes

- struct [WxCasCte](#)  
*Constants used in wxCas.*

## 4.11 wxcasframe.cpp File Reference

```
#include "wx/wxprec.h"
#include <wx/image.h>
#include <wx/version.h>
#include <wx/config.h>
#include <wx/protocol/ftp.h>
#include <wx/wfstream.h>
#include "wxcasframe.h"
#include "wxcasprint.h"
#include "wxcasprefs.h"
#include "wxcascte.h"
#include "../pixmaps/wxcas.xpm"
#include "../pixmaps/refresh.xpm"
#include "../pixmaps/stop.xpm"
#include "../pixmaps/save.xpm"
#include "../pixmaps/print.xpm"
#include "../pixmaps/about.xpm"
#include "../pixmaps/prefs.xpm"
#include "../pixmaps/stat.xpm"
```

### Defines

- #define [wxCLOSE\\_BOX](#) 0

### 4.11.1 Define Documentation

#### 4.11.1.1 #define wxCLOSE\_BOX 0

Name: wxCasFrame Class

Purpose: wxCas main frame

Author: ThePolish <[thepolish@vipmail.ru](mailto:thepolish@vipmail.ru)>

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Definition at line 65 of file wxcasframe.cpp.

Referenced by WxCasFrame::WxCasFrame().

## 4.12 wxcasframe.h File Reference

```
#include <wx/wx.h>
#include <wx/statline.h>
#include <wx/toolbar.h>
#include <wx/timer.h>
#include "wxcascanvas.h"
#include "onlinesig.h"
```

### Classes

- class [WxCasFrame](#)  
*Main wxCas Frame.*

## 4.13 wxcasprefs.cpp File Reference

```
#include "wx/wxprec.h"  
#include <wx/dirdlg.h>  
#include <wx/config.h>  
#include "wxcasprefs.h"  
#include "wxcascte.h"  
#include "wxcasframe.h"
```

### Functions

- [EVT\\_BUTTON](#) (ID\_CANCEL\_BUTTON, WxCasPrefs::OnCancel) void  
[WxCasPrefs](#)

### 4.13.1 Function Documentation

#### 4.13.1.1 EVT\_BUTTON (ID\_CANCEL\_BUTTON, WxCasPrefs::OnCancel)

Definition at line 329 of file wxcasprefs.cpp.



## 4.14 wxcasprefs.h File Reference

```
#include <wx/wx.h>
#include <wx/dialog.h>
#include <wx/spinctrl.h>
#include <wx/statline.h>
```

### Classes

- class [WxCasPrefs](#)  
*Preference Dialog.*

## 4.15 wxcasprint.cpp File Reference

```
#include "wx/wxprec.h"  
#include <wx/image.h>  
#include "wxcas.h"  
#include "wxcasframe.h"  
#include "wxcasprint.h"
```

## 4.16 wxcasprint.h File Reference

```
#include <wx/wx.h>  
#include <wx/print.h>
```

### Classes

- class [WxCasPrint](#)  
*Statistic image printing.*

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