

kcmpureftpd Reference Manual

0.8-1

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Chapter 1

kcmpureftpd Compound Index

1.1 kcmpureftpd Compound List

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

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Chapter 2

kcmpureftpd Class Documentation

2.1 FTPSessionItem Class Reference

Store pure-ftpd session data grabbed from an XML structure.

```
#include <ftpsession.h>
```

Public Types

- enum [Status](#) { [Idle](#), [Download](#), [Upload](#), [Error](#), [Unknown](#) }

Public Methods

- [FTPSessionItem](#) ()
 - [FTPSessionItem](#) (const FTPSessionItem &item)
 - [FTPSessionItem](#) (int percentage, pid_t pid, [Status](#) state, unsigned long time, unsigned long bandwidth, unsigned long long resume, unsigned long long current_size, unsigned long long total_size, const QString &account, const QString &file, const QString &host, const QString &localhost, const QString &port)
 - [~FTPSessionItem](#) ()
 - int [percentage](#) ()
 - pid_t [pid](#) ()
 - unsigned long [time](#) ()
 - unsigned long [bandwidth](#) ()
 - QString [account](#) ()
 - [Status](#) [state](#) ()
 - QString [file](#) ()
 - QString [host](#) ()
 - QString [localhost](#) ()
 - QString [port](#) ()
 - unsigned long long [resume](#) ()
 - unsigned long long [current_size](#) ()
 - unsigned long long [total_size](#) ()
-

Private Attributes

- int [_percentage](#)
- pid_t [_pid](#)
- [Status](#) [_state](#)
- unsigned long [_time](#)
- unsigned long [_bandwidth](#)
- unsigned long long [_resume](#)
- unsigned long long [_current_size](#)
- unsigned long long [_total_size](#)
- QString [_account](#)
- QString [_file](#)
- QString [_host](#)
- QString [_localhost](#)
- QString [_port](#)

2.1.1 Detailed Description

Store pure-ftpd session data grabbed from an XML structure.

Author:

Claudiu Costin <claudiuc@kde.org>

Version:

\$Id\$

Definition at line 33 of file ftpsession.h.

2.1.2 Member Enumeration Documentation

2.1.2.1 enum FTPSessionItem::Status

Possible states for an FTP session, as is reported by pure-ftpwho

Enumeration values:

Idle User connected to pure-ftpd but doesn't authenticated yet

Download User download a file from server

Upload User upload a file to server

Error Error condition in FTP session. Session will close soon.

Unknown Unknow FTP state from pure-ftpwho. Normaly should not happen at all.

Definition at line 38 of file ftpsession.h.

2.1.3 Constructor & Destructor Documentation

2.1.3.1 FTPSessionItem::FTPSessionItem ()

Build an empty FTP session item with attributes set to 0 or null string

Definition at line 20 of file ftpsession.cpp.

2.1.3.2 FTPSessionItem::FTPSessionItem (const FTPSessionItem & item)

Copy constructor FTP session item.

Definition at line 29 of file ftpsession.cpp.

2.1.3.3 FTPSessionItem::FTPSessionItem (int *percentage*, pid_t *pid*, Status *state*, unsigned long *time*, unsigned long *bandwidth*, unsigned long long *resume*, unsigned long long *current_size*, unsigned long long *total_size*, const QString & *account*, const QString & *file*, const QString & *host*, const QString & *localhost*, const QString & *port*)

Make a new FTP session item from parameters values

Parameters:

percentage upload or download session completion as percent

pid pure-ftpd server process PID which manage this session

state type of current session

time elapsed time from the moment when user connected

bandwidth transfer rate for current upload or download operation

resume byte position from which user restarted the transfer. It's 0 if not restarted.

current_size amount of bytes transfered so far

total_size size for uploaded or downloaded file

account user account is set only after authentication

file current transfered file name

host host name from which FTP connection was made

localhost where the pure-ftpd server is bind to serve current session

port where the pure-ftpd server listen to serve current session

Definition at line 40 of file ftpsession.cpp.

2.1.3.4 FTPSessionItem::~~FTPSessionItem ()

Destroy an FTP session object.

Definition at line 57 of file ftpsession.cpp.

2.1.4 Member Function Documentation

2.1.4.1 int FTPSessionItem::percentage () [inline]

Return the completion percentage for current download or upload operation.

Definition at line 91 of file ftpsession.h.

References `_percentage`.

2.1.5 Member Data Documentation

2.1.5.1 QString FTPSessionItem::_account [private]

User account for which FTP connection is authorized. It is null before authentication is made.

Definition at line 137 of file ftpsession.h.

2.1.5.2 unsigned long FTPSessionItem::_bandwidth [private]

Transfer rate for current upload or download operation. Represented as bytes/s.

Definition at line 119 of file ftpsession.h.

2.1.5.3 unsigned long long FTPSessionItem::_current_size [private]

Amount of bytes transfered so far

Definition at line 126 of file ftpsession.h.

2.1.5.4 QString FTPSessionItem::_file [private]

Current transfered file name

Definition at line 137 of file ftpsession.h.

2.1.5.5 QString FTPSessionItem::_host [private]

Host name or IP from which FTP connection come

Definition at line 137 of file ftpsession.h.

2.1.5.6 QString FTPSessionItem::_localhost [private]

Host name or IP where the pure-ftpd server is bind to serve current session

Definition at line 137 of file ftpsession.h.

2.1.5.7 int FTPSessionItem::_percentage [private]

Percentage of current download or upload operation

Definition at line 109 of file ftpsession.h.

Referenced by percentage().

2.1.5.8 pid_t FTPSessionItem::_pid [private]

Pure-ftpd server process PID which manage this session

Definition at line 112 of file ftpsession.h.

2.1.5.9 QString FTPSessionItem::_port [private]

Port where the pure-ftpd server listen to serve current session

Definition at line 137 of file ftpsession.h.

2.1.5.10 unsigned long long FTPSessionItem::_resume [private]

Byte position from which user restarted the transfer; 0 if not restarted

Definition at line 126 of file ftpsession.h.

2.1.5.11 Status FTPSessionItem::_state [private]

State type of current session

Definition at line 115 of file ftpsession.h.

2.1.5.12 unsigned long FTPSessionItem::_time [private]

Elapsed time from the moment when user connected. Represented as seconds.

Definition at line 119 of file ftpsession.h.

2.1.5.13 unsigned long long FTPSessionItem::_total_size [private]

Size for uploaded or downloaded file

Definition at line 126 of file ftpsession.h.

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

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

2.2 KPureftpdScript Class Reference

Generate startup scripts for pure-ftpd.

```
#include <kcmpureftpdscript.h>
```

Public Methods

- [KPureftpdScript](#) (QWidget *parent=0L, const char *name=0L)
- virtual [~KPureftpdScript](#) ()
- void [load](#) ()
- void [save](#) ()
- void [defaults](#) ()
- int [buttons](#) ()
- QString [quickHelp](#) () const
- virtual const KAboutData * [aboutData](#) () const

Protected Slots

- void [configChanged](#) ()
- void [slotAuth](#) (int index)
- void [slotAuthMethodChanged](#) (int index)
- void [slotAuthListChanged](#) (QListViewItem *item)
- void [slotAuthAdd](#) ()
- void [slotAuthModify](#) ()
- void [slotAuthDelete](#) ()
- void [slotAuthMoveUp](#) ()
- void [slotAuthMoveDown](#) ()
- void [slotStandalone](#) ()
- void [slotItemChanged](#) (QListViewItem *it)
- void [slotScriptPathChanged](#) (const QString &text)
- void [slotSaveOutput](#) ()
- void [slotTabChanged](#) (QWidget *widget)

Private Methods

- void [setAuthEditButtons](#) ()
- void [setAuthMoveButtons](#) ()
- void [setSaveButton](#) (int scriptIndex)
- QString [parseOptions](#) (ScriptItem scriptItem)

Private Attributes

- KPureftpdScriptUI * [ui](#)
- QString [saveOutput](#)
- QString [parsedScript](#)
- Script * [script](#)
- QMap< KListViewItem *, int > [scriptMap](#)
- KConfig * [config](#)

2.2.1 Detailed Description

Generate startup scripts for pure-ftpd.

It generate startup control scripts for pure-ftpd based on XML templates and user choosed options. For this are used script templates which contain the startup script filled with parsable options like @PUREFTPD@, @OPTIONS@ etc. There are other attributes needed: line terminator, option seperator, sugested name for output script etc. The first and second enumerated attributes are used to organize generated pure-ftpd command line in a more pleasant and readable form. Script template are organized in a tree-like view where roots are script template type: standalone or superserver.

Author:

Claudiu Costin <claudiuc@kde.org>

Version:

Id:

kcmpureftpdscript.h,v 1.7 2003/07/20 15:50:55 claudiuc Exp

Definition at line 53 of file kcmpureftpdscript.h.

2.2.2 Constructor & Destructor Documentation

2.2.2.1 KPureftpdScript::KPureftpdScript (QWidget * *parent* = 0L, const char * *name* = 0L)

Construct KcmPureftpdScript GUI, connect slots and load configuration from configuration file.

Parameters:

parent is the widget parent

name of this widget (optional)

Definition at line 46 of file kcmpureftpdscript.cpp.

References config, configChanged(), load(), slotAuth(), slotAuthAdd(), slotAuthDelete(), slotAuthListChanged(), slotAuthMethodChanged(), slotAuthModify(), and ui.

2.2.2.2 KPureftpdScript::~KPureftpdScript () [virtual]

Destroy KcmPureftpdScript instance

Definition at line 112 of file kcmpureftpdscript.cpp.

2.2.3 Member Function Documentation

2.2.3.1 const KAboutData * KPureftpdScript::aboutData () const [virtual]

Return information about KcmPureftpdScript developers, contributors and license terms

Definition at line 758 of file kcmpureftpdscript.cpp.

2.2.3.2 `int KPureftpdScript::buttons ()`

Return the button mask such that KControl or kcmshell will know what system buttons to show when the module will be embedded.

Definition at line 744 of file kcmpureftpdscript.cpp.

2.2.3.3 `void KPureftpdScript::configChanged ()` [protected, slot]

It's a wrapper for the signal changed()

Definition at line 188 of file kcmpureftpdscript.cpp.

Referenced by KPureftpdScript().

2.2.3.4 `void KPureftpdScript::defaults ()`

Present user the defaults widgets states and values for the widgets. Basically it execute [load\(\)](#)

Definition at line 739 of file kcmpureftpdscript.cpp.

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

2.2.3.5 `void KPureftpdScript::load ()`

Load configuration data and set the widgets states and values

Definition at line 480 of file kcmpureftpdscript.cpp.

References [config](#), [slotAuth\(\)](#), and [ui](#).

Referenced by [defaults\(\)](#), and KPureftpdScript().

2.2.3.6 `QString KPureftpdScript::quickHelp () const`

Return rich text help shown in KControl "Help" tab

Definition at line 748 of file kcmpureftpdscript.cpp.

2.2.3.7 `void KPureftpdScript::save ()`

Save configuration according to the widgets states and values

Definition at line 625 of file kcmpureftpdscript.cpp.

References [config](#), and [ui](#).

2.2.3.8 `void KPureftpdScript::slotAuth (int index)` [protected, slot]

Set the authentication editor to the enabled or disabled state according to the radiobuttons state in "Authentication" button group. This way the user can see whether he's using default authentication provided by system or the custom selection made by him.

Parameters:

index is number of selected radio button.

Definition at line 194 of file kcmpureftpdscript.cpp.

References slotAuthMethodChanged(), and ui.

Referenced by KPureftpdScript(), and load().

2.2.3.9 void KPureftpdScript::slotAuthAdd () [protected, slot]

Add new authentication in the authentication list bellow the current element in the list. If the method is "unix" or "pam", the "authFile" content is ignored. It also set the editor buttons (Add, Modify, Delete) and Up and Down buttons such that only relevant buttons will be enabled.

Definition at line 216 of file kcmpureftpdscript.cpp.

References ui.

Referenced by KPureftpdScript().

2.2.3.10 void KPureftpdScript::slotAuthDelete () [protected, slot]

Delete the current selected authentication in the "authList". It also set the editor buttons (Add, Modify, Delete) and Up and Down buttons such that only relevant buttons will be enabled.

Definition at line 241 of file kcmpureftpdscript.cpp.

References ui.

Referenced by KPureftpdScript().

2.2.3.11 void KPureftpdScript::slotAuthListChanged (QListViewItem * *item*) [protected, slot]

Set the "authMethod" and "authFile" when current item in "authList" is changed: user click on item or move highlight with cursor keys. It also set the editor buttons (Add, Modify, Delete) and Up and Down buttons such that only relevant buttons will be enabled.

Parameters:

item is the selected element in the "authList" list view

Definition at line 269 of file kcmpureftpdscript.cpp.

References slotAuthMethodChanged(), and ui.

Referenced by KPureftpdScript().

2.2.3.12 void KPureftpdScript::slotAuthMethodChanged (int *index*) [protected, slot]

Set the "authFile" as disabled when the user choose "unix" or "pam" in methods combobox. It also set the editor buttons (Add, Modify, Delete) such that only relevant buttons will be enabled.

Parameters:

index is the position of selected item in "authMethod" combobox

Definition at line 264 of file kcmpureftpdscript.cpp.

References ui.

Referenced by KPureftpdScript(), slotAuth(), and slotAuthListChanged().

2.2.3.13 void KPureftpdScript::slotAuthModify () [protected, slot]

Modify the current selected authentication in the "authList" with the new values from the "authMethod" and "authFile". If the method is "unix" or "pam", the "authFile" content is ignored.

Definition at line 231 of file kcmpureftpdscript.cpp.

References ui.

Referenced by KPureftpdScript().

2.2.4 Member Data Documentation

2.2.4.1 KConfig* KPureftpdScript::config [private]

Our object to access KDE style configuration.

Definition at line 178 of file kcmpureftpdscript.h.

Referenced by KPureftpdScript(), load(), and save().

2.2.4.2 KPureftpdScriptUI* KPureftpdScript::ui [private]

This is hold the pointer to instantiated KcmPureftpdScript user interface. Local UI interaction is defined here.

Definition at line 171 of file kcmpureftpdscript.h.

Referenced by KPureftpdScript(), load(), save(), slotAuth(), slotAuthAdd(), slotAuthDelete(), slotAuthListChanged(), slotAuthMethodChanged(), and slotAuthModify().

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

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

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