µTorrent®

SERVER

# Table of Contents

# Changes

Here are changes and known issues made to µTorrent Server. Changes are in most-recent-first order.

Changes made that apply to multiple µTorrent products are summarized in the file `Changes.txt`.

## Current Revision

### Changes

- Fixed behavior of `finish_cmd` and `state_cmd` on POSIX platforms - arg[0] wasn't filled in with the command to run, resulting in various failures depending on platform
- Fixed handling of `dir_` configuration file parameters so that their values would be retained upon restarting
- Accepted the empty string (`""`) as a value for directory settings (another way to disable the associated directory setting)
- Fixed handling of `true` as a value for a boolean setting

### Known Issues

- Removing an actively-downloading torrent can result in some data files being recreated moments after being deleted
- Guest mode support is broken in the web UI and/or the server
- BEP22 isn't supported on POSIX platforms
- There's no table of contents in the PDF form of the user manual
- Checking for and reporting that product updates are available isn't supported yet
- The web UI doesn't show an indication when a setting change fails to apply because the proposed value was invalid
- The web UI doesn't show an indicator if the port is blocked by a firewall
- The web UI doesn't provide control of RSS actions supported by the server
- The web UI doesn't show status and error messages generated by the server

## 20131105 - Revision 30235

**Changes**

- Added configuration file setting `low_cpu`
- Fixed bug that would accept invalid characters for hexadecimal representations of integer type values in configuration file
- Fixed timestamps in log files to reflect local time
- Added configuration file setting `localhost_authentication` to allow administrators to override the default system behavior by disabling authentication for requests originating on the local host
- Changed data file list presentation in web UI for current torrent so that percent done for each data file updates during downloads
- Made alignment of advanced options in preferences dialog consistent among browsers
- Server version information now displays in about box when running IE
- Fixed bug where directory tab fields appeared at bottom of preferences dialog when re-opened
- Fixed bug where OK/Apply/Cancel buttons weren't visible in preferences dialog when using Internet Explorer
- Added configuration file settings `uconnect_enable`, `uconnect_password`, and `uconnect_username` for participating in µTorrent Remote
- Added validation of proposed values of `webui.restrict` setting

## 20110320 - Revision 25053

**Changes**

- Eliminated race condition causing crashes when adding torrents
- Resolved problems associated with moving completed data files

## 20110228 - Revision 24733

**Changes**

- Incorporated bug fixes from generic code
- The `usage` argument now also reports product version information
- Added `Changes.txt` to the archive distributed for this product, so that users would have a list of changes made to parts of code shared with other products
- Stopped requiring that `/etc/fstab` not be empty, so that program will run on certain VMs

## 20110118 - Revision 24118

**Changes**

- Incorporated bug fixes from generic code
- Added SSL support, requiring load-time resolution of libssl and libcrypto

## 20101206 - Revision 23418

**Changes**

- Fixed bug in web UI causing failure to run on Internet Explorer

## 20101111 - Revision 23090

**Changes**

- Enhanced speculative fix for crash on POSIX platforms occurring when any configurable directories (e.g., active, completed,

temporary, autoload, request) contain other than 7-bit characters, which should improve the experience of users using Cyrillic characters (the behavior in that case worsened after the previous release because the previous fix was incomplete)

- Fixed crash when choosing to use an active directory without supplying a path to that directory (seen when users attempt to specify a nonexistent directory (possibly by misspelling the desired existing directory) for the active directory via the web UI)

## 20101027 - Revision 22789

### Changes

- Added fields to the About box in the web UI to present the external IP address and UDP/TCP ports assigned by a UPnP router to the server

- Added speculative fix for crash on POSIX platforms occurring when any configurable directories (e.g., active, completed, temporary, autoload, request) contain Unicode characters

- Fixed documentation by changing `feed_id` to `feed-id` in two places

## 20101022 - Revision 22708

### Changes

- Added `daemon` argument which directs the server to run in its own process group

- Added `usage` argument which directs the server to display the set of valid command-line arguments before exiting - server also prints error and usage messages before exiting if it detects at least one unrecognized command-line argument

- Added settings `finish_cmd` and `state_cmd` to provide a way to invoke asynchronous processes for torrent lifecycle events

- The add torrent dialog in the web UI now allows the user to choose which download directory to use for the torrent being added
- Correct JSON output is now generated for the `list-dirs` action request
- The name of the directory created by extracting the product archive now includes `utorrent` instead of `bittorrent`
- Removed `ul_slots_per_torrent` setting since it no longer has a function
- Added `ut_webui_dir` setting in the configuration file, which specifies the directory containing the `webui.zip` archive or the unarchived files to be served for the web UI
- Added `pidfile` argument which permits the specification of a file to be created by the `utserver` process which will contain the ID of the `utserver` process
- Added `logmask` setting in the configuration file which permits logging to be configured (and subsequently modified as part of handling a hangup signal), and removed support for `LOGMASK` environment variable
- The server rereads the configuration file upon receipt of a hangup signal or when creating or moving a file named `rcf.utmr` in the `dir_request` directory - see the cautions in the user manual about sending a hangup signal when attempting to change the value of `dir_request`
- Added settings `admin_name` and `admin_password` to allow administrators to define initial non-default credentials for authenticating to the server via the HTTP interface
- Fixed documentation by changing `filter_id` to `filter-id` in one place

## 20100913 - Revision 21886

**Changes**

- Ensure alternative listening port setting persists when changed via web UI

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- Include changes list in `docs` directory of product archive
- Add mention of `configfile` and `settingspath` command-line arguments, rearrange content of `Getting Started` section of user manual
- Support `configfile` argument to specify configuration file location
- Disable BEP22 DNS support on POSIX platforms
- Include plain text version of the user manual in `docs` directory of product archive
- Include a EULA file in the `docs` directory of the archive
- Change default log file for `logfile` argument to `utserver.log`
- Fix documentation error saying to use forward slash (/) to precede a command-line argument keyword - should use a dash (−) on POSIX systems

## 20100902 - Revision 21701

First release.