

# EZproxy Version 5.6 Upgrade Guide

## Why upgrade?

We encourage you to **upgrade** to EZproxy 5.6 to stay current with the latest features.

EZproxy 5.6 contains the following enhancements and fixes:

- Beta EZproxy implementations now no longer require a license —the betas will simply “expire” which makes it easier for libraries to try things out
- A new way to detect and resolve crashes, down to identifying the actual machine instruction that caused the crash
- In the Administration Screen, Server Status, the display now shows detailed information about the "Option Cookie" directives that are in place for each database definition on the "Extended Information" display.

General bug fixes:

- Removed extraneous repeating lines in messages.txt for Shibboleth and UUAquireMutex/UUReleaseMutex
- Changed timers for the Guardian process and for Athens sites, eliminating a potential restart
- When a Shibboleth V2.x attribute was received without a XML attribute FriendlyName specified, EZproxy would crash. EZproxy no longer requires the XML attribute FriendlyName to be present.
- Resolved a potential problem in the SSL certificate import process. In some cases, a failed SSL certificate import would leave an incomplete .cnf file.
- Resolved a problem where, in rare cases, EZproxy would have problems running from a symlinked directory.
- Resolved an issue with referring URL authentication where some users were being sent the suspend.htm file instead of being transparently authenticated.
- Resolved a problem that, in rare cases, EZproxy used case sensitive comparisons for starting point URL comparisons.
- In some cases, EZProxy would crash when querying a Shibboleth Identity Provider for attributes. This problem has been resolved.
- EZproxy once again ignores SIGHUP signals, so the Guardian process will keep running when a SIGHUP signal is received.
- Resolved an invalid pointer in the UTF-16 parser, preventing unauthorized access to the Siku Quanshu content, one of the largest collections of books in Chinese history.

A number of additional security issues were also addressed in this release. For more details and a full list of changes, go to:

<http://www.oclc.org/support/documentation/ezproxy/changes.htm>

## Software, instructions and assistance

Software downloads and detailed update instructions are available on the EZproxy **Download** page at <http://www.oclc.org/ezproxy/download/>.

Additional information is available on the EZproxy **Support** page at <http://www.oclc.org/ezproxy/support/>.

To get **assistance** for EZproxy, contact OCLC at [support@oclc.org](mailto:support@oclc.org).

**Note:** URLs included in this guide go to EZproxy pages on the OCLC Worldwide Web site. To go to EZproxy pages on another OCLC regional site, go to [www.oclc.org](http://www.oclc.org), select a site (if asked), search for **ezproxy**, click the KeyMatch, and then navigate to the appropriate EZproxy page.

## Supported platforms

- Linux (x86 and x86\_64)
- Solaris (SPARC version 8 or later and x86 version 10 or later)
- Windows 7, 2000, 2003, 2008, XP and XP Professional (32-bit, as well as 64-bit). For Windows 2008, WOW64 may be required, as EZproxy is truly a 32-bit application.

EZproxy V5.5 is the last release that supports Solaris SPARC V8. Release V5.6 of EZproxy is the last release to support Solaris SPARC hardware and Operating System platforms. Support for Solaris on Intel platforms continues unchanged. Release V6.0 of EZproxy (expected release: autumn 2012) will not include a SPARC build.

**Note:** The only functional differences between the Linux, Solaris and Windows versions of EZproxy are internal support in the Windows version to authenticate users against a Windows domain and the lack of Athens authentication support in the x86 version of Solaris.

For more information, see Hardware and Operating System Requirements at

<http://www.oclc.org/support/documentation/ezproxy/requirements.htm>

### Upgrade process

The following is a general overview of the steps to upgrade EZproxy. Specific directions vary by platform. For complete instructions, refer to the update instructions for your platform available on the EZproxy **Download** page at <http://www.oclc.org/support/documentation/ezproxy/download/>.

- 1 Change your current directory to the directory where EZproxy is installed.
- 2 Rename your existing (old) copy of the EZproxy program file to avoid overwriting it until you finish the upgrade process.
- 3 Click the link to download the new EZproxy program file into the directory where EZproxy is installed.
- 4 Rename the new program file and make it executable.
- 5 Issue the EZproxy command (ezproxy -m) to create any new files required for the updated release. If updating from EZproxy 5.0 or earlier, you will be asked to allow renaming of ezproxy.cfg and ezproxy.usr. For more information, see EZproxy 5.1 New Filenames at <http://www.oclc.org/support/documentation/ezproxy/newfilenames.htm>.
- 6 Stop the old version of EZproxy.
- 7 If desired, manually rename ezproxy.msg to messages.txt.
- 8 Start the new version of EZproxy.

### Tips, hints, cautions

Make a copy of your current EZproxy folder and save it somewhere so you can roll it back if an update does not work.

When editing EZproxy files, use Notepad or another text editor that does not automatically add document formatting.

Implement a backup system to guard against losing your configuration data due to hardware failure.

### Additional resources

Additional resources are available on the EZproxy **Support** page at <http://www.oclc.org/ezproxy/support/> such as:

- Maintenance and upgrades
- User authentication
- EZproxy configuration
- Database setup
- Related OCLC services
- Troubleshooting and known issues
- Frequently asked questions

### EZproxy and OCLC

EZproxy was acquired by OCLC from Useful Utilities in January 2008. OCLC continues to develop and support EZproxy by working with commercial vendors to create new connectors to authentication systems and online content resources to libraries.