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# GT 4.2.1 Release Notes: MyProxy

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<titleabbrev>Release Notes</titleabbrev>

## 1. Component Overview

MyProxy is an online credential repository. You can store X.509 *proxy credentials* in the MyProxy repository, protected by a passphrase, for later retrieval over the network. This eliminates the need for manually copying *private key* and certificate files between machines. MyProxy can also be used for authentication to grid portals and credential renewal with job managers.

## 2. Feature summary

### Supported Features

- Users can store and retrieve multiple X.509 *proxy credentials* using **myproxy-init** and **myproxy-logon**.
- Users can store and retrieve multiple X.509 end-entity credentials using **myproxy-store** and **myproxy-retrieve**.
- Administrators can load the repository with X.509 end-entity credentials on the users' behalf using **myproxy-admin-load-credential**.
- Administrators can use the **myproxy-admin-adduser** command to create *user credentials* and load them into the MyProxy repository.
- Users and administrators can set access control policies on the credentials in the repository.
- If allowed by policy, job managers (such as Condor-G) can renew credentials before they expire.
- The MyProxy server enforces local site passphrase policies using a configurable external call-out.

### Deprecated Features

- None

## 3. Summary of Changes in MyProxy

MyProxy has been updated to v4.3. See the [MyProxy Release Notes](#)<sup>1</sup> for details.

## 4. Bug Fixes

- [Bug 5627](#):<sup>2</sup> reconfigure myproxy-server on SIGHUP
- [Bug 6325](#):<sup>3</sup> myproxy-server zero return code with non-existent configuration file

## 5. Known Problems

The following problems and limitations are known to exist for MyProxy at the time of the 4.2.1 release:

### 5.1. Limitations

- No known limitations exist.

### 5.2. Outstanding bugs

- [Bug 2709](#):<sup>4</sup> The MyProxy package isn't internationalized.

## 6. Technology dependencies

MyProxy depends on the following GT component:

- Non-WS Authentication and Authorization

MyProxy depends on the following 3rd party software:

- None

## 7. Tested platforms

Tested Platforms for MyProxy

- Mac OS X 10.3
- i686 GNU/Linux
- ia64 GNU/Linux

## 8. Backward compatibility summary

Protocol changes since GT 4.0.x

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<sup>1</sup> <http://www.globus.org/ftppub/myproxy/VERSION>

<sup>2</sup> [http://bugzilla.globus.org/globus/show\\_bug.cgi?id=5627](http://bugzilla.globus.org/globus/show_bug.cgi?id=5627)

<sup>3</sup> [http://bugzilla.globus.org/globus/show\\_bug.cgi?id=6325](http://bugzilla.globus.org/globus/show_bug.cgi?id=6325)

<sup>4</sup> [http://bugzilla.globus.org/globus/show\\_bug.cgi?id=2709](http://bugzilla.globus.org/globus/show_bug.cgi?id=2709)

- None.

API changes since GT 4.0.x

- None.

Exception changes since GT 4.0.x

- Not applicable

Schema changes since GT 4.0.x

- Not applicable

## 9. Associated Standards

Associated standards for MyProxy:

- [GFD-E.054](http://www.ggf.org/documents/GFD.54.pdf)<sup>5</sup> MyProxy Protocol
- [RFC 3820](http://www.faqs.org/rfcs/rfc3820.html)<sup>6</sup> Proxy Certificates
- [RFC 2246](http://www.faqs.org/rfcs/rfc2246.html)<sup>7</sup> TLS

## 10. For More Information

See [MyProxy](#) for more information about this component.

# Glossary

## P

private key

The private part of a key pair. Depending on the type of certificate the key corresponds to it may typically be found in `$HOME/.globus/userkey.pem` (for user certificates), `/etc/grid-security/hostkey.pem` (for host certificates) or `/etc/grid-security/<service>/<service>key.pem` (for service certificates).

For more information on possible private key locations see [this](#).

proxy credentials

The combination of a proxy certificate and its corresponding private key. GSI typically stores proxy credentials in `/tmp/x509up_u<uid>`, where `<uid>` is the user id of the proxy owner.

## U

user credentials

The combination of a user certificate and its corresponding private key.

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<sup>5</sup> <http://www.ggf.org/documents/GFD.54.pdf>

<sup>6</sup> <http://www.faqs.org/rfcs/rfc3820.html>

<sup>7</sup> <http://www.faqs.org/rfcs/rfc2246.html>