
GT 5.0.0 Release Notes: MyProxy

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<titleabbrev>Release Notes</titleabbrev>

1. Component Overview

MyProxy is open source software for managing X.509 Public Key Infrastructure (PKI) security credentials (certificates and private keys). MyProxy combines an online credential repository with an online certificate authority to allow users to securely obtain credentials when and where needed. Users run **myproxy-logon** to authenticate and obtain credentials, including trusted CA certificates and Certificate Revocation Lists (CRLs). For more information about MyProxy, see the [MyProxy Home Page](#)¹.

2. Feature summary

Supported Features

- Users can obtain certificates and trust roots from the MyProxy CA using **myproxy-logon**.
- 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**.
- Users and administrators can manage trustroots (CA certificates and CRLs) using **myproxy-logon** and **myproxy-get-trustroots**.
- 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.
- Administrators can use the **myproxy-admin-addservice** command to create *host credentials* and load them into the MyProxy repository.
- Users and administrators can set access control policies on the credentials in the repository.

¹ <http://myproxy.ncsa.uiuc.edu/>

- 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

GT 5.0.0 contains MyProxy v5.0. MyProxy support for [managing trust roots](#)² (CA certificates and CRLs) has improved, including a new [myproxy-get-trustroots](#)³ command. See the [MyProxy Release Notes](#)⁴ for more details on this and other MyProxy versions.

4. Known Problems

The following problems and limitations are known to exist for MyProxy at the time of the 5.0.0 release:

4.1. Limitations

- No known limitations exist.

4.2. Outstanding bugs

- [Bug 2709](#):⁵ The MyProxy package isn't internationalized.

5. Technology dependencies

MyProxy depends on the following GT component:

- [GSLC](#)

6. Tested platforms

Tested Platforms for MyProxy:

- Mac OS X 10.5
- x86/x86_64 GNU/Linux
- PPC AIX 5.3
- Sun4u Solaris 5.10

² <http://myproxy.ncsa.uiuc.edu/trustroots/>

³ <http://myproxy.ncsa.uiuc.edu/man/myproxy-get-trustroots.1.html>

⁴ <http://www-unix.globus.org/ftppub/myproxy/VERSION>

⁵ http://bugzilla.globus.org/globus/show_bug.cgi?id=2709

7. Backward compatibility summary

All MyProxy versions are fully backwards compatible.

8. Associated Standards

Associated standards for MyProxy:

- [GFD-E.054](#)⁶ MyProxy Protocol
- [RFC 3820](#)⁷ Proxy Certificates
- [RFC 2246](#)⁸ TLS

9. For More Information

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

Glossary

H

host credentials The combination of a host certificate and its corresponding private key.

P

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.

⁶ <http://www.ggf.org/documents/GFD.54.pdf>

⁷ <http://www.faqs.org/rfcs/rfc3820.html>

⁸ <http://www.faqs.org/rfcs/rfc2246.html>