

GT 5.0.0 Component Guide to Public Interfaces: MyProxy

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Chapter 1. APIs

Please refer to the [MyProxy Developer's Guide](#)¹ for a list of available MyProxy APIs.

¹ <http://myproxy.ncsa.uiuc.edu/devguide.html>

Chapter 2. Configuring

No additional configuration is required to use MyProxy clients after they are installed, although you may want to set the MYPROXY_SERVER environment variable to the hostname of your myproxy-server in the default user environment on your systems.

Please refer to the [MyProxy Admin Guide](#)¹ for MyProxy server configuration instructions.

¹ <http://myproxy.ncsa.uiuc.edu/adminguide.html>

Chapter 3. Command-line tools

Please refer to the [MyProxy Reference Manual](http://myproxy.ncsa.uiuc.edu/man/)¹ for documentation of the MyProxy command-line tools.

¹ <http://myproxy.ncsa.uiuc.edu/man/>

Chapter 4. Environment variable interface

1. Environmental variables for MyProxy

Please refer to the [MyProxy Reference Manual](#)¹ for documentation of MyProxy environment variable interfaces.

¹ <http://myproxy.ncsa.uiuc.edu/man/>

Appendix A. Errors

Table A.1. MyProxy Errors

Error Code	Definition	Possible Solutions
MyProxy server name does not match expected name	<p>This error appears as a mutual authentication failure or a server authentication failure, and the error message should list two names: the expected name of the MyProxy server and the actual authenticated name.</p> <p>By default, the MyProxy clients expect the MyProxy server to be running with a host certificate that matches the target hostname. This error can occur when running the MyProxy server under a non-host certificate or if the server is running on a machine with multiple hostnames.</p> <p>The MyProxy clients authenticate the identity of the MyProxy server to avoid sending passphrases and credentials to rogue servers.</p> <p>If the expected name contains an IP address, your system is unable to do a reverse lookup on that address to get the canonical hostname of the server, indicating either a problem with that machine's DNS record or a problem with the resolver on your system.</p>	<p>If the server name shown in the error message is acceptable, set the <code>MYPROXY_SERVER_DN</code> environment variable to that name to resolve the problem.</p>
Error in <code>bind()</code> : Address already in use	<p>This error indicates that the <code>myproxy-server</code> port (default: 7512) is in use by another process, probably another <code>myproxy-server</code> instance. You cannot run multiple instances of the <code>myproxy-server</code> on the same network port.</p>	<p>If you want to run multiple instances of the <code>myproxy-server</code> on a machine, you can specify different ports with the <code>-p</code> option, and then give the same <code>-p</code> option to the MyProxy commands to tell them to use the <code>myproxy-server</code> on that port.</p>
grid-proxy-init failed	<p>This error indicates that the <code>grid-proxy-init</code> command failed when <code>myproxy-init</code> attempted to run it, which implies a problem with the underlying Globus installation.</p>	<p>Run <code>grid-proxy-init -debug -verify</code> for more information.</p>
User not authorized	<p>An error from the <code>myproxy-server</code> saying you are "not authorized" to complete an operation typically indicates that the <code>myproxy-server.config</code> file settings are restricting your access to the <code>myproxy-server</code>. It is possible that the <code>myproxy-server</code> is running with the default <code>myproxy-server.config</code> file, which does not authorize any operations.</p>	<p>See Configuring MyProxy for more information.</p>

Error Code	Definition	Possible Solutions
Unable to verify remote side's credentials	An error saying "Unable to verify remote side's credentials," "Couldn't verify the remote certificate," or "alert bad certificate" often indicates that the client or server's certificate is signed by an untrusted Certification Authority (CA). The client must have a CA certificate and signing policy file installed in <code>/etc/grid-security/certificates</code> for the CA that signed the server's certificate. Likewise, the server must have a CA certificate and signing policy file installed in <code>/etc/grid-security/certificates</code> for the CA that signed the client's certificate.	See Configuring Certificates for more information.

Glossary