GT 5.2.4 Component Guide
to Public Interfaces: MyProxy
GT 5.2.4 Component Guide to Public Interfaces: MyProxy
Table of Contents

1. APIs ................................................................................................................. 1
2. Configuring ......................................................................................................... 2
3. Command-line tools ............................................................................................. 3
4. Environment variable interface ..............................................................................
   1. Environmental variables for MyProxy ................................................................. 4
A. Errors ................................................................................................................... 5
Glossary .................................................................................................................... 7
List of Tables

A.1. MyProxy Errors ................................................................. 5
Chapter 1. APIs

Please refer to the MyProxy Developer's Guide\textsuperscript{1} for a list of available MyProxy APIs.

\textsuperscript{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\(^1\) 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/](http://myproxy.ncsa.uiuc.edu/man/)
## Appendix A. Errors

### Table A.1. MyProxy Errors

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Definition</th>
<th>Possible Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MyProxy server name does not match expected name</td>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The MyProxy clients authenticate the identity of the MyProxy server to avoid sending passphrases and credentials to rogue servers.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Error in bind(): Address already in use</td>
<td>This error indicates that the myproxy-server port (default: 7512) is in use by another process, probably another myproxy-server instance. You cannot run multiple instances of the myproxy-server on the same network port.</td>
<td>If you want to run multiple instances of the myproxy-server on a machine, you can specify different ports with the (-p) option, and then give the same (-p) option to the MyProxy commands to tell them to use the myproxy-server on that port.</td>
</tr>
<tr>
<td>grid-proxy-init failed</td>
<td>This error indicates that the grid-proxy-init command failed when myproxy-init attempted to run it, which implies a problem with the underlying Globus installation.</td>
<td>Run <code>grid-proxy-init -debug -verify</code> for more information.</td>
</tr>
<tr>
<td>User not authorized</td>
<td>An error from the myproxy-server saying you are &quot;not authorized&quot; to complete an operation typical-</td>
<td>See <a href="#">Configuring MyProxy</a> for more information.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Definition</td>
<td>Possible Solutions</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td>&quot;ly indicates that the myproxy-server.config file settings are restricting your access to the myproxy-server. It is possible that the myproxy-server is running with the default myproxy-server.config file, which does not authorize any operations.&quot;</td>
<td></td>
</tr>
<tr>
<td>Unable to verify remote side's credentials</td>
<td>An error saying &quot;Unable to verify remote side's credentials,&quot; &quot;Couldn't verify the remote certificate,&quot; or &quot;alert bad certificate&quot; 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.</td>
<td>See Configuring Certificates for more information.</td>
</tr>
</tbody>
</table>
Glossary