GT 5.2.4 MyProxy: User's Guide
# Table of Contents

1. Introduction .................................................................................................................. 1  
2. Command-line tools ..................................................................................................... 2  
3. Troubleshooting ........................................................................................................... 3  
   1. Errors ...................................................................................................................... 3  
   2. Additional MyProxy Troubleshooting ...................................................................... 4  
4. Usage statistics collection ............................................................................................ 5  
   1. MyProxy usage statistics collection ......................................................................... 5  
Glossary ............................................................................................................................ 6
List of Tables

3.1. MyProxy Errors .................................................................................................................. 3
Chapter 1. Introduction

Please refer to the MyProxy User's Guide\(^1\) on the MyProxy web site.

\(^1\) http://myproxy.ncsa.uiuc.edu/userguide.html
Chapter 2. 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/](http://myproxy.ncsa.uiuc.edu/man/)
Chapter 3. Troubleshooting

1. Errors

Table 3.1. 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 MYPROXY_SERVER_DN 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 grid-proxy-init -debug -verify 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>User not authorized</td>
<td>An error from the myproxy-server saying you are &quot;not authorized&quot; to complete an operation typically 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.</td>
<td>See Configuring MyProxy for more information.</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 /etc/grid-security/certificates for the CA that signed the server's certificate. Likewise, the server must have a CA certificate and signing policy file installed in /etc/grid-security/certificates for the CA that signed the client's certificate.</td>
<td>See Configuring Certificates for more information.</td>
</tr>
</tbody>
</table>

2. Additional MyProxy Troubleshooting

For additional information, see the MyProxy Troubleshooting Page\(^1\) at NCSA.

\(^1\) http://myproxy.ncsa.uiuc.edu/troubleshooting.html
Chapter 4. Usage statistics collection

1. MyProxy usage statistics collection

By default, the myproxy-server will send a UDP packet containing usage information to usage-stats.cilogon.org:4810 after serving each request. See the MyProxy Privacy Policy\(^1\) for details. You can see the Globus Usage Statistics policy here\(^2\).

\(^1\) http://myproxy.ncsa.uiuc.edu/privacy
\(^2\) /toolkit/docs/latest-stable/Usage_Stats.html
Glossary