

GT 5.0.2 MyProxy: User's Guide

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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](http://myproxy.ncsa.uiuc.edu/man/)¹ for documentation of the MyProxy command-line tools.

¹ <http://myproxy.ncsa.uiuc.edu/man/>

Chapter 3. Troubleshooting

1. Common GT Errors

For a list of common errors in GT, see [Error Codes](#).

2. Errors

Table 3.1. 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 bind(): 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.

3. 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