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# **MyProxyClient Documentation**

***Release 1.4.0***

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This a pure\* Python implementation of a client to the MyProxy Credential Management Server (<http://grid.ncsa.uiuc.edu/myproxy/>). It provides both a Python API and a command line interface.

- i.e. MyProxy C client libraries are not required for this package.

It uses pyOpenSSL to make an SSL connection to the server following the messaging interface as outlined in: <http://grid.ncsa.uiuc.edu/myproxy/protocol/>

The code is based on an original program `myproxy_logon` by Tom Uram of ANL.



# CHAPTER 1

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## Examples

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These show how to retrieve a certificate bootstrapping trust in remote service.

### API:

```
>>> from myproxy.client import MyProxyClient
>>> myproxy_clnt = MyProxyClient(hostname="myproxy.somewhere.ac.uk")
>>> cert, private_key = myproxy_clnt.logon(username, password, bootstrap=True)
```

### Command line interface:

```
$ myproxycient logon -s myproxy.somewhere.ac.uk -l <username> -o creds.pem -b
```



## CHAPTER 2

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### Releases

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#### 1.4.3

- Fix for SSL to use TLS instead of SSLv3 to address POODLE vulnerability
- Fix for SSL verification for PyOpenSSL version 0.14 - v1.3.1 was broken because it passed the call back method to OpenSSL using verification classes' `__call__` method.

Tested on CentOS 6.4.

#### 1.3.1

- Fix to `MyProxyClient.writeProxyFile` and `MyProxyClient.readProxyFile` to correctly pick-up overridden file setting. Thanks to Nicolas Carenton, IPSL.



Unit test module with test files is in `test/`. See the `README` in that directory.

Documentation

Sphinx generated documentation is available in `documentation/`. Run the `Makefile` to regenerate if required.

Thanks

- to OMII-UK for funding development of NDG Security (2007-2008)
- Tom Uram who wrote the `myproxy_logon` program on which this package is based.

Contents:

### 3.1 MyProxy Client Module



## CHAPTER 4

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### Indices and tables

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