
python-crowd Documentation

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python-crowd is a python client library to the Atlassian Crowd REST API.

This library may be useful to you if you wish to create an application that authenticates users against Crowd or integrate with Crowd's SSO.

This project has no official status within Atlassian and is provided as a service to the programming community. I hope that you find it useful.

Documentation

Docs are built automatically by sphinx. You can build them yourself in the doc directory or access them at <http://python-crowd.readthedocs.io/en/latest/>

Examples

Some example invocations are provided in the examples directory, and are included in the built documentation. The unit tests may also be instructive.

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Contributors

This project has been enhanced through the work of a number of contributors. If you contribute to this project you can add your name and/or github username to the end of this list and include the change in your pull request.

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Simple Authentication Test

```
1
2 import crowd
3 import os, sys, getpass
4
5 app_url = 'http://my.crowd.server:8095/crowd/'
6 app_user = 'testapp'
7 app_pass = 'testpass'
8
9 # Create the reusable Crowd object
10 cs = crowd.CrowdServer(app_url, app_user, app_pass)
11
12 if len(sys.argv) > 1:
13     username = sys.argv[1]
14 else:
15     username = os.environ['USER']
16
17 password = getpass.getpass(prompt='Enter password for %s: ' % username)
18
19 success = cs.auth_user(username, password)
20 if success:
21     print 'Successfully authenticated.'
22 else:
23     print 'Failed to authenticate.'
```

Simple Token Authentication

```
1
2 import crowd
3 import os, sys, getpass
4
5 app_url = 'http://my.crowd.server:8095/crowd/'
6 app_user = 'testapp'
7 app_pass = 'testpass'
8
9 # Create the reusable Crowd object
10 cs = crowd.CrowdServer(app_url, app_user, app_pass)
11
12 if len(sys.argv) > 1:
13     username = sys.argv[1]
14 else:
15     username = os.environ['USER']
16
17 password = getpass.getpass(prompt='Enter password for %s: ' % username)
18
19 # Create a session. The important bit is the token.
20 session = cs.get_session(username, password)
21 if session:
22     print 'Created a session, token %s' % session['token']
23 else:
24     print 'Failed to authenticate.'
25     sys.exit(1)
26
27 # Check that the token is valid (and of course it should be).
28 success = cs.validate_session(session['token'])
29 if success:
30     print 'Authenticated session token.'
31 else:
32     print 'Failed to authenticate token.'
```