

Wikiprint Book

Title: What is esgf-getCredentials?

Subject: TracMeteo - ESGFGetCredentials

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To view specific use cases -->

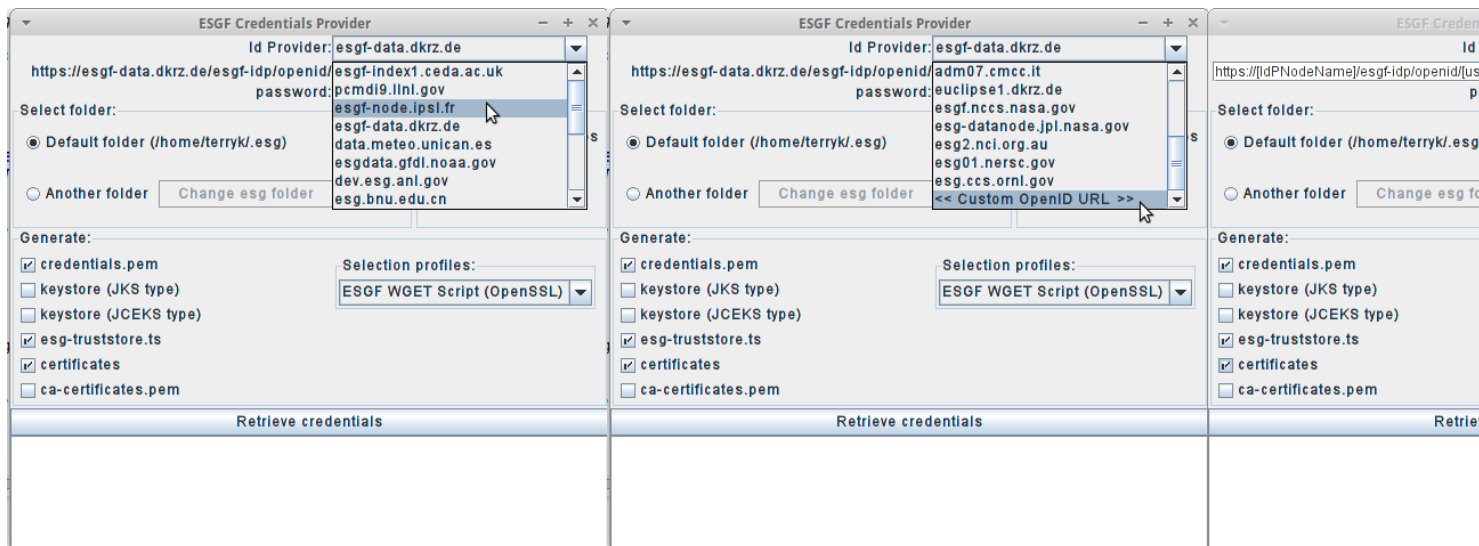
Graphic UI Guide

- In Windows:
 - Open ESGFToolsUI-v0.8.jar
- Command-line interpreter:

```
java -jar ESGFToolsUI-v0.8.jar
```

Setting user

You can select your IdP provider in the top drop-down list. If your IdP provider isn't in the list of providers. Select "Custom OpenID URL", with this option the GUI interface change to be able write OpenID URL's



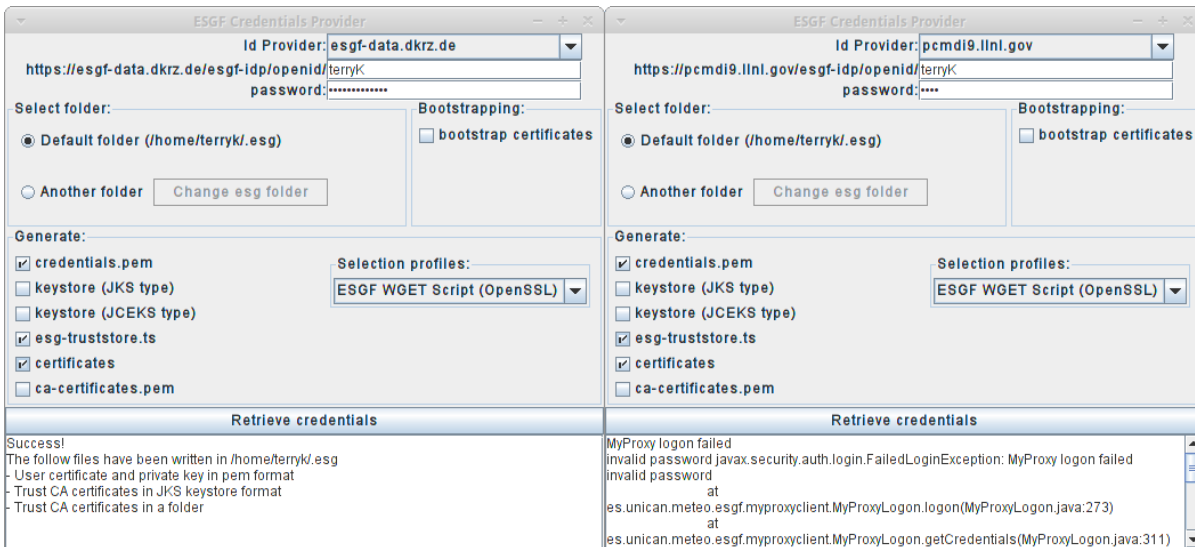
Setting output files

You can select in "Generate" section what output files will be generated in the output folder.

credentials.pem	It's a pem file that contains the x509 user certificate and the RSA private key
keystore (JKS type)	It's a keystore in format JKS which is build with user cert, cert chain and private key
keystore (JCEKS type)	It's a keystore in format JCEKS which is build with user cert, cert chain and private key
esgf-truststore.ts	CA's certificates in keystore in format JKS
certificates	CA's certificate files and policy files in a folder
ca-certificates.pem	CA's certificates in pem format

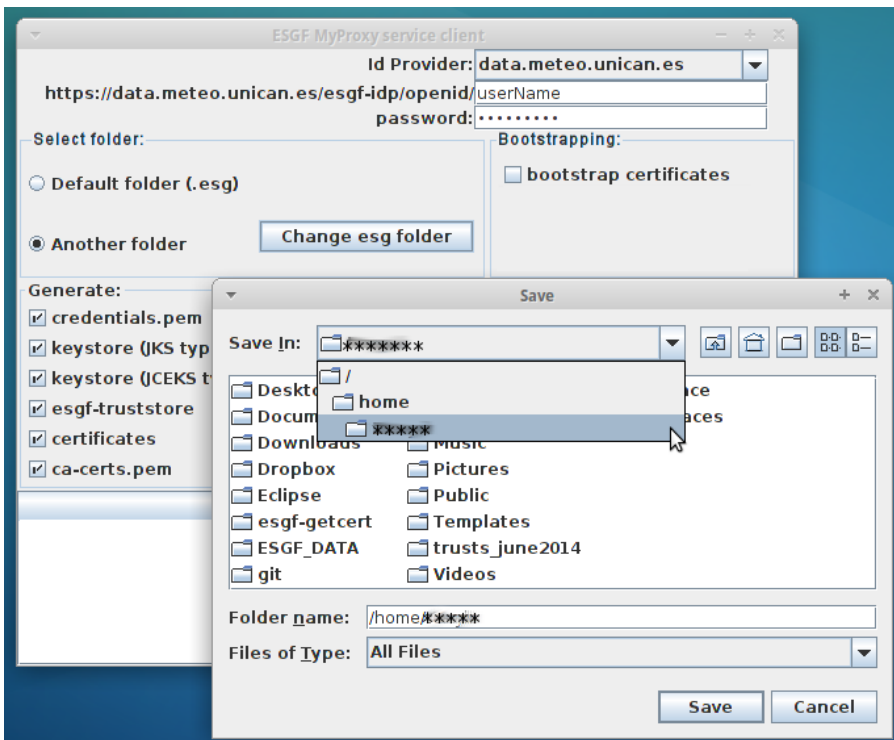
Retrieve credentials

Click on "retrieve credentials" button. If all goes well a success message is shown. However, if some error happens then the Exception is showed



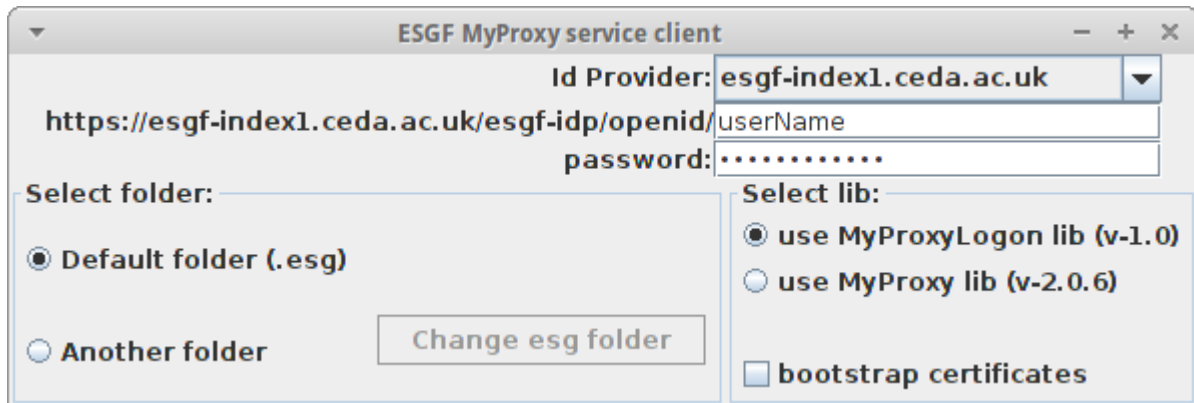
Advanced options

1. You can bootstrap the certificates. For that, select the check box "bootstrap certificates" in "Select Lib" section
1. You can change the output folder. The default is \$USER_HOME/.esg



1. You can download a multilib myproxy version to select it in the "Select Lib" section
 - MyProxyLogon lib v1.0
 - MyProxy lib v2.0.6

MultiLib jar -> [getESGFCredentialsMultLib-0.1.jar](#) 2.3 MB new



Specific use cases

ESGF WGET Script

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --credentials --cacerts --cacertsjks
```

ESGF WGET Script case (GNU TLS)

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --credentials --cacertspem --cacertsjks
```

ToolsUI case

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --keystorejks --cacertsjks
```

Aria2 case

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --credentials --cacertspem
```

ESGFToolsUI case

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --credentials
```

NETCDF DAP case

[?https://www.unidata.ucar.edu/software/netcdf/docs/netcdf/DAP-Support.html](https://www.unidata.ucar.edu/software/netcdf/docs/netcdf/DAP-Support.html)

```
java -jar getESGFCredentials-0.0.2.jar -o <openid> -p <password> --credentials --cacerts --cacertspem --output <path>
```

Developers Guide

Github

[?https://github.com/SantanderMetGroup/esgf-getcredentials](https://github.com/SantanderMetGroup/esgf-getcredentials)

Architecture

See Also

- [ESGFToolsUI - a desktop client for ?ESGF services](#)