

Hands On Exercises for Globus Online Command Line Interface

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Setup: Add your public key to your identities in Globus Online

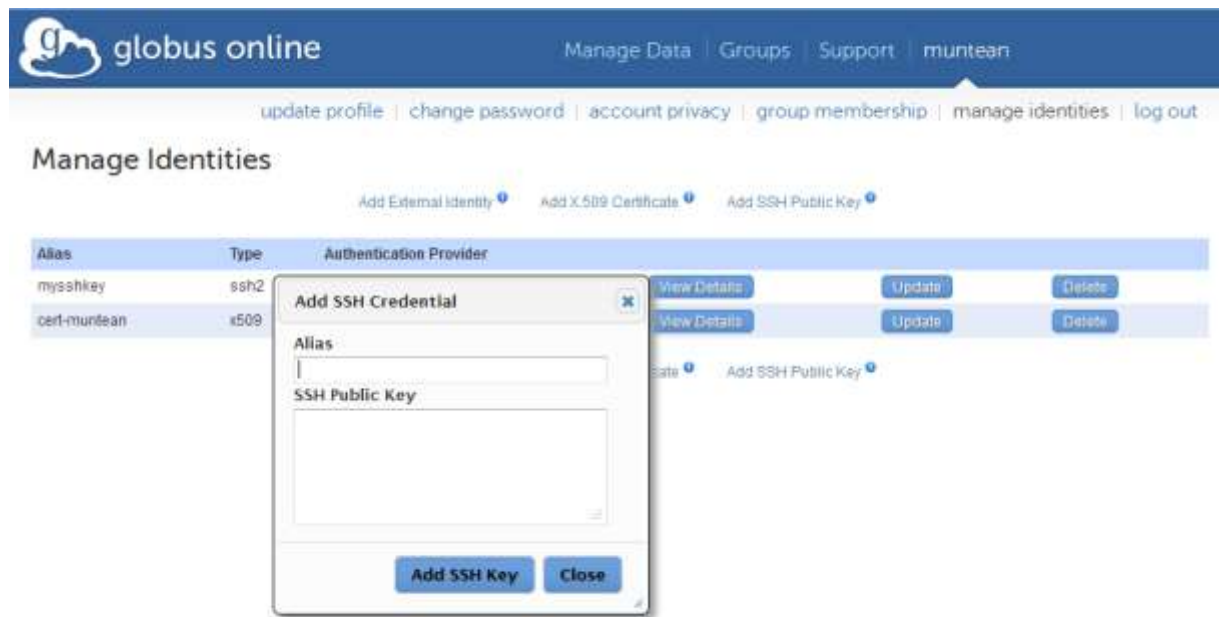
1. Login to your training machine:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -l ige_user011 vm-113.lal.stratuslab.eu
```

2. Copy your public key from the username_id_rsa.pub file to the clipboard:

```
less /tmp/egicf2013/ige_user011/ige_user011_id_rsa.pub
```

3. In your Globus Online account (www.globusonline.eu), go to Manage Identities → Add SSH Public Key:



and paste your public key from the tutorial.

In a few minutes, your key will be propagated to **cli.globusonline.org**.

Working with CLI

Basic Commands – Ask for help:

Get list of commands:

Try first with gsissh:

```
gsissh igeuser011@cli.globusonline.org help
```

And then with the SSH Public Key:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help
```

Get help on the help command:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help help
```

We will need endpoint- and transfer-related commands:

```
ssh -i egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help endpoint-activate
```

```
ssh -i egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help endpoint-deactivate
```

```
ssh -i egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help scp
```

```
ssh -i egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org help transfer
```

Activate Endpoints

1. List available endpoints:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org endpoint-list
```

2. Activate the endpoints to work with:

List endpoints available to your GO account:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org endpoint-list
```

Activate the endpoints (you will be prompted for the MyProxy password). The endpoint names available are the ones that you have created in this tutorial.

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org endpoint-activate igeuser011#ucm
```

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org endpoint-activate igeuser011#udo
```

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org endpoint-activate igeuser011#vm-109
```

Transfer data

1. From the training machine, initiate a transfer from ucm to udo:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org scp
igeuser011#ucm:~/./bashrc igeuser011#ucm:~/bashrc_ucm
```

2. From the training machine, initiate a transfer from ucm to udo using data from the folder /tmp/Manchester2013_demo02
3. Check the status of the transfers (the pending ones):

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org status
```

4. Check the status of the last five transfers:

```
ssh -i /tmp/egicf2013/ige_user011/ige_user011_id_rsa -t igeuser011@cli.globusonline.org status
-l 5 -a
```

Try out the following commands:

```
status -f status,request_time -O csv
```

```
status -a -l 20 -f status,request_time -O csv
```

```
status -a -l 20 -f all -O csvh > mygotransfers.csv
```

Troubleshooting

1. In case you need to upload a proxy to a MyProxy server:

```
ige_user011@vm-113:~$ myproxy-init -l igeuser001 -s gt-ige.utcluj.ro
```

References

1. Using the Command Line Interface: <https://www.globusonline.org/usingcli/>
2. CLI: Beyond the Basics: <https://www.globusonline.org/beyondbasics/>