

B2SAFE installation

Prerequisites

- iRODS 4.1.X on an ubuntu 14 server
- Certificates or credentials for a Handle prefix. (We will use our test prefix for Handle v8 and the B2HANDLE library)
- Adjust the */etc/hosts*
- Install *git*

Install B2SAFE

- Login

```
ssh ubuntu@145.100.59.113
```

- Download the latest version of B2SAFE

```
git clone https://github.com/EUDAT-B2SAFE/B2SAFE-core
cd ~/B2SAFE-core/packaging
./create_deb_package.sh
```

- Create package

```
sudo dpkg -i /home/alice/debbuild/irods-eudat-b2safe_3.1-1.deb
```

- Configure B2SAFE

```
sudo vim /opt/eudat/b2safe/packaging/install.conf
```

- SERVER_ID=145.100.59.113
- HANDLE_SERVER_URL=https://epic4.storage.surfsara.nl:8007
- PRIVATE_KEY=/home/ubuntu/30821.T12995USER01_privkey.pem
- CERTIFICATE_ONLY=/home/ubuntu/30821.T12995USER01_certificateonly.pem
- PREFIX=21.T12995
- HANDLEOWNER=200:0.NA/21.T12995
- REVERSELOOKUP_USERNAME=21.T12995
- HTTPS_VERIFY=false

- MSIFREE_ENABLED=false
- MSICURL_ENABLED=false
- Run configuration

```
sudo su - irods
cd /opt/eudat/b2safe/packaging/
./install.sh
```

Install dependencies

As user with sudo rights do:

```
sudo apt-get install python-pip
sudo pip install queuelib
sudo pip install dweepy

sudo apt-get install python-lxml python-defusedxml python-httpplib2 python-simplejson
```

B2HANDLE:

```
git clone https://github.com/EUDAT-B2SAFE/B2HANDLE
cd B2HANDLE/
python setup.py bdist_egg
cd dist/
sudo easy_install b2handle-1.0.3-py2.7.egg
```

Test B2SAFE:

```
iinit
cd ~/B2SAFE-core/rules
irule -vF eudatGetV.r
irule -vF irule -F eudatCreatePid.r
```

Test PID configuration (if PID creation via iRODS fails)

As user *irods* do:

```
/opt/eudat/b2safe/cmd/epicclient2.py os /opt/eudat/b2safe/conf/credentials \  
create www.test.com
```