

Installation of certificates

Obtaining a personal grid certificate

- Request a user certificate by following the instructions on the [Dutchgrid Certification Authority website](#). A good starting point for finding your certificate authority if not available from this site is: <https://www.eugridpma.org/members/worldmap/> (Europe) or <http://www.igtf.net/> (World wide). Contact Science Data Centre Operations group if none of the above works.
- Install the certificate by following the instructions provided by your certificate authority. Typically this involves:
 1. Save the mail with the signed certificate as `$HOME/.globus/usercert.pem` and make sure that the `userkey.pem` file in that directory contains the private key that matches this certificate. As these `*.pem` files are strictly personal, their permissions should be set properly by the following command:

```
> chmod 600 *.pem
```
 2. Load the certificate into your web browser. See e.g. <http://ca.dutchgrid.nl/info/browser> for instructions.
 3. Apply for authorization to use LOFAR resources:
 - <https://voms.grid.sara.nl:8443/voms/lofar> for access to the LOFAR LTA storage.

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