



Grid Computing Hands On Training for Users
Faculty of Sciences, University of Novi Sad

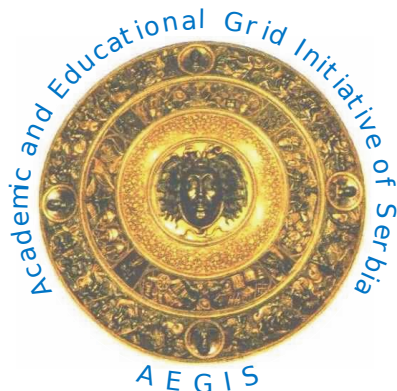
Setting up the user account

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www.eu-egee.org



- **Access point to Grid**
- **User must have a local account on machine**
- **Basic grid operations:**
 - list resources suitable for job
 - submit jobs
 - cancel jobs
 - retrieve job output
 - show job status
 - file operations
 - ...

- **Grid passport**

- **X.509**

- **Subject Name (SN)**

**/C=RS/O=AEGIS/OU=Institute of Physics Belgrade/
CN=Vladimir Slavnic**

- **Certification Authority (CA)**

- **Obtaining a certificate**

`$ grid-cert-request`

`userkey.pem usercert_request.pem usercert.pem`

- **Virtual Organisation (VO)**

- **.globus**
- **Right permissions:**
 - 444 usercert.pem
 - 400 userkey.pem
- **Checking a certificate**

```
$ grid-cert-info
$ grid-cert-info -subject (-enddate) (-issuer)
$ openssl verify -CApath \
/etc/grid-security/certificates/ ~/.globus/usercert.pem
$ grid-proxy-init -verify
```

- **Standard proxies**

- \$ grid-proxy-init

- \$ grid-proxy-info

- \$ grid-proxy-destroy

- **VOMS proxies**

- Group

- Role

- \$ voms-proxy-init -voms <vo>

- \$ voms-proxy-init -voms <alias>:<group name>
[Role=<role name>]

- \$ voms-proxy-info (-all)

- **MyProxy server**

```
$ echo $MYPROXY_SERVER
```

```
$myproxy-init -s <myproxy_server> -d -n
```

```
$myproxy-info -s <myproxy_server> -d
```

```
$ myproxy-destroy -s <myproxy_server> -d
```

- <http://aegis-ca.rcub.bg.ac.yu/>
- <https://edms.cern.ch/file/722398//gLite-3-UserGuide.pdf>
- http://wiki.egee-see.org/index.php/Quick_User_Guide_for