

## **Wikiprint Book**

**Title: How to configure an IBERGRID VO**

**Subject: TracMeteo - DRM4G/ResourceConfiguration/IBERGRID**

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## How to configure an IBERGRID VO

For configuring an IBERGRID VO accessed through user grid interface, follow the following steps:

Configure the iberVO resource. If the grid user interface has defined LCG\_GFAL\_INFOSYS and MYPROXY\_SERVER variables, you do not have to indicate bdii and myproxy\_server keys in your configuration:

```
[user@mycomputer~]$ drm4g resource edit
[iberVO]
enable           = true
communicator     = local
communicator     = local
username        = user
frontend        = ui.meteo.unican.es
lrms            = cream
vo              = iber.vo.ibergrid.eu
bdii            = topbdii.egi.cesga.es:2170
myproxy_server  = myproxy.egi.cesga.es
```

- The communicator will be local or ssh depending on where you have your application is deployed, in your frontend or backend

2. List and check if the resource has been created successfully :

```
[user@mycomputer~]$ drm4g resource list
RESOURCE        STATE
iberVO          enabled
```

3. Create an identity for 7 days:

```
[user@mycomputer~]$ drm4g id iberVO init
--> Create a local proxy credential ...
Insert your Grid password:
Your identity: /DC=es/DC=irisgrid/O=unican/CN=user
Creating proxy ..... Done
Proxy Verify OK
Your proxy is valid until: Tue Feb 14 12:21:59 2017
Your identity: /DC=es/DC=irisgrid/O=unican/CN=user
Creating proxy ..... Done
Proxy Verify OK
A proxy valid for 168 hours (7.0 days) for user /DC=es/DC=irisgrid/O=unican/CN=user now exists on myproxy.egi.cesga.es.
```

4. Check the timeleft of your identity:

```
[user@mycomputer~]$ drm4g id iberVO info
--> Grid credentials
subject  : /DC=es/DC=irisgrid/O=unican/CN=user/CN=proxy/CN=proxy
issuer   : /DC=es/DC=irisgrid/O=unican/CN=user/CN=proxy
identity : /DC=es/DC=irisgrid/O=unican/CN=user
type     : full legacy globus proxy
strength : 2048 bits
path     : /home/user/.drm4g/security/myproxy.egi.cesga.es
timeleft : 167:30:49 (7.0 days)
```

List the CEs (Compute Elements) available on the iber.vo.ibergrid.eu VO:

```
[user@mycomputer~]$ drm4g host list
HID ARCH        JOBS(R/T) LRMS        HOST
0   x86_64        0/0 cream-pbs  iberVO::ce02.up.pt
1   x86_64        0/0 cream-pbs  iberVO::ce01.up.pt
3   x86_64        0/0 cream-pbs  iberVO::ce03.ific.uv.es
4   x86_64        0/0 cream-pbs  iberVO::ce01.macc.unican.es
```

5	x86_64	0/0	cream-pbs	iberVO::grid001.fc.up.pt
6	x86_64	0/0	cream-pbs	iberVO::grid001.fe.up.pt
7	x86_64	0/0	cream-pbs	iberVO::golp-ce.ist.utl.pt
8	x86_64	0/0	cream-sge	iberVO::ce.ceta-ciemat.es
9	NULL	0/0	cream-pbs	iberVO::creamce03.ciemat.es
10	NULL	0/0	cream-pbs	iberVO::creamce02.ciemat.es
11	x86_64	0/0	cream-sge	iberVO::ce06.ncg.ingrid.pt
12	x86_64	0/0	cream-sge	iberVO::cream.egi.cesga.es

That's it! Now, you can [submit jobs](#) to the `iber.vo.ibergrid.eu` VO. Keep in mind that you will have to renew your identity depending on the proxy-lifetime used.