

How to configure an EGI ESR VO

For configuring an EGI VO such as ESR accessed through user grid interface, follow the below steps:

Configure the `esrVO` 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
[esrVO]
enable           = true
communicator     = local
username        = user
frontend        = ui.meteo.unican.es
lrms            = cream
vo              = esr
bdii            = bdii.grid.sara.nl:2170
myproxy_server  = px.grid.sara.nl
```

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

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

List the CEs available on the `esr VO`:

```
[user@mycomputer~]$ drm4g host list
HID ARCH      JOBS(R/T) LRMS      HOST
0  x86_64      0/0 cream-pbs esrVO::cream.afroditi.hellasgrid.gr
1  x86_64      0/0 cream-pbs esrVO::cel.ipgp.fr
2  x86_64      0/0 cream-pbs esrVO::crl.ipp.acad.bg
3  x86_64      0/0 cream-pbs esrVO::sbgce2.in2p3.fr
4  x86_64      0/0 cream-pbs esrVO::ce0.bordeaux.inra.fr
5  x86_64      0/0 cream-pbs esrVO::cce.ihep.ac.cn
6  x86_64      0/0 cream-pbs esrVO::ce02.ngcc.acad.bg
7  x86_64      0/0 cream-pbs esrVO::ce01.macc.unican.es
8  x86_64      0/0 cream-pbs esrVO::cygnus.grid.rug.nl
9  x86_64      0/0 cream-pbs esrVO::t2ce06.physics.ox.ac.uk
10 x86_64      0/0 cream-lsf esrVO::cel.ts.infn.it
11 x86_64      0/0 cream-lsf esrVO::gridcel.pi.infn.it
12 x86_64      0/0 cream-lsf esrVO::gridce3.pi.infn.it
13 x86_64      0/0 cream-pbs esrVO::cream02.grid.uoi.gr
14 x86_64      0/0 cream-pbs esrVO::lapp-ce02.in2p3.fr
15 x86_64      0/0 cream-pbs esrVO::grid002.jet.efda.org
16 x86_64      0/0 cream-lsf esrVO::gridce4.pi.infn.it
17 x86_64      0/0 cream-lsf esrVO::gridce0.pi.infn.it
18 x86_64      0/0 cream-lsf esrVO::gridce2.pi.infn.it
19 x86_64      0/0 cream-pbs esrVO::t2ce06.physics.ox.ac.uk
20 x86_64      0/0 cream-pbs esrVO::grid0.fe.infn.it
21 x86_64      0/0 cream-pbs esrVO::ce0.m3pec.u-bordeaux1.fr
22 x86_64      0/0 cream-pbs esrVO::juk.nikhef.nl
23 x86_64      0/0 cream-pbs esrVO::gridce.ilc.cnr.it
24 x86_64      0/0 cream-lsf esrVO::cert-37.pd.infn.it
25 x86_64      0/0 cream-pbs esrVO::cream-ce-2.ba.infn.it
26 x86_64      0/0 cream-sge esrVO::ccccreamceli09.in2p3.fr
27 x86_64      0/0 cream-sge esrVO::ccccreamceli10.in2p3.fr
28 x86_64      0/0 cream-pbs esrVO::gazon.nikhef.nl
29 x86_64      0/0 cream-pbs esrVO::klomp.nikhef.nl
30 x86_64      0/0 cream-pbs esrVO::cream-ce-3.ba.infn.it
31 x86_64      0/0 cream-pbs esrVO::cream-ce-4.ba.infn.it
```

```

32 x86_64      0/0 cream-pbs esrVO::creamce.gina.sara.nl
33 x86_64      0/0 cream-lsf esrVO::prod-ce-01.pd.infn.it
34 x86_64      0/0 cream-pbs esrVO::creamce2.gina.sara.nl
35 x86_64      0/0 cream-pbs esrVO::creamce3.gina.sara.nl
36 x86_64      0/0 cream-slur esrVO::ce3.ui.savba.sk
37 x86_64      0/0 cream-pbs esrVO::glite-cream.scai.fraunhofer.de
38 x86_64      0/0 cream-pbs esrVO::cream-ce02.marie.hellasgrid.gr
39 x86_64      0/0 cream-pbs esrVO::cream-ce01.marie.hellasgrid.gr
40 x86_64      0/0 cream-pbs esrVO::fal-pygrid-44.lancs.ac.uk
41 x86_64      0/0 cream-pbs esrVO::hepgrid6.ph.liv.ac.uk
42 x86_64      0/0 cream-pbs esrVO::cream-ce01.ariagni.hellasgrid.gr
43 x86_64      0/0 cream-pbs esrVO::snf-189278.vm.oceanos.grnet.gr
44 x86_64      0/0 cream-pbs esrVO::snf-458754.vm.oceanos.grnet.gr
45 x86_64      0/0 cream-pbs esrVO::hepgrid5.ph.liv.ac.uk
46 x86_64      0/0 cream-pbs esrVO::cream01.kallisto.hellasgrid.gr
47 x86_64      0/0 cream-pbs esrVO::hepgrid10.ph.liv.ac.uk
48 x86_64      0/0 cream-pbs esrVO::hepgrid97.ph.liv.ac.uk

```

4. Create an identity for 7 days:

```

[user@mycomputer~]$ drm4g id esrVO 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: Thu Feb 26 21:37:19 2015
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 px.grid.sara.nl.

```

5. Check the timeleft of your identity:

```

[user@mycomputer~]$ drm4g id esrVO 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/px.grid.sara.nl
timeleft : 167:57:52 (7.0 days)

```

That's it! Now, you can submit jobs to the `esr` VO. Keep in mind that you will have to renew your identity depending on the `proxy-lifetime` used.