

gLite 3.0: How to install a production VO (by lorentey@elteNOSPAMPLEASE.hu)

This procedure may be used to set up a new VOMS server host, and also to install a new VO on an existing host.

BEWARE! All this is for gLite 3.0 only. We expect that some of the workarounds described here will become unnecessary or even downright harmful in later releases. This is especially relevant for the voms.message script.

- (1) Set up the site.config.url parameter in
`/opt/glite/etc/config/glite-global.cfg.xml.`

I have set up a site config file on lxb2051 at

`.../voms.2006-03-15.newHW/voms.config.xml`

The configuration sets up VOs to use the normal (_w-less) accounts on the production database. As the XML config does not yet support the long connection strings, the configuration is for a single database host, not the entire high availability cluster.

If you want to create a new VO, you'll simply need to add it to the site config.

- (2) Log in to the VOMS server host. Make sure there are no defined VOs yet. If the command

```
ls -l /var/glite/etc/voms-admin/*/voms.database.properties
```

finds any files, then execute step (3), else continue with step (4). =20= (glite-voms-server-config.py is unable to reconfigure existing VOs due to bug #10434.)

- (3) Stop the gLite service and

Remove all existing VO definitions by running `glite-voms-server-config.py` with the `--remove-vo` option. Don't worry, this will not touch the database.

```
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo alice
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo atlas
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo cms
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo dteam
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo geant4
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo lhcb
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo ops
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo sixt
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo test
/opt/glite/etc/config/scripts/glite-voms-server-config.py --remove-vo unosat
```

- (4) Run `glite-voms-server-config.py` with the `--configure` option.

```
/opt/glite/etc/config/scripts/glite-voms-server-config.py --configure
```

It will not run successfully, and create all configured VOs due to the 'enableD' variable in the `gliteRgmaServicetool.py` script.

- (5) Logout to update env

- (6) Run the voms.message script, a copy of which is attached to this message. The script will fix the Oracle library paths, fix the above

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```
var. typo
and set up
the VOs to use the production database cluster (instead of a
single unreliable database host, as described in the site config).
It will also automatically set up the *_W accounts with the
correct grants and change the core service to use the _W accounts.
```

The voms.message script will change/create the following files:

```
/opt/glite/etc/voms/tnsnames.ora
/etc/glite/profile.d/glite_setenv.sh
/etc/glite/profile.d/glite_setenv.csh
/opt/glite/etc/voms/*/voms.conf
/var/glite/etc/voms-admin/*/voms.database.properties
```

- (7) Logout to update env.
- (8) Re-run the voms-server-config.py script
- (9) Start glite

-- AndreaCeccanti - 27 Mar 2006

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Topic revision: r1 - 2006-03-27 - AndreaCeccanti



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