

# DataGRID

## EDG-VOMS-ADMIN INSTALL GUIDE

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Abstract: A document to describe the installation and initial configuration procedures.



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**Document Log**

<b>Issue</b>	<b>Date</b>	<b>Comment</b>	<b>Author</b>
0-1	2003-08-29	First draft	Ákos Frohner
0-2	2003-10-02	Updated to JavaSec 1.5.3	Ákos Frohner

Building the package from the source:

```
ant dist
```

Installing it to a directory:

```
ant install -Dprefix=/path/to/dir
```

Building the RPM packages:

```
ant release
```

The RPMs will be under release/rpm/RPMS/noarch.

Configuring the packages (obligatory parameters):

```
<install_dir or dist>/sbin/edg-voms-admin-configure install \  
--vo=<VO_name> --port=<port_number> --dbapwd=<password>
```

To configure the service a MySQL database server has to be running, because the configuration scripts sets up a custom database.

For more details read the manual page of this script.

Run the service:

```
$(EDG_LOCATION)/etc/init.d/edg-voms-admin start
```

This context block will be automatically copied to the tomcat4/webapps and tomcat4/webapps-secure directories.

The service needs a proper service certificate to allow SOAP or web clients to connect.

Stop the service:

```
$(EDG_LOCATION)/etc/init.d/edg-voms-admin stop
```

Remove the context blocks from the above mentioned tomcat4 directories.

Remove the service:

```
<install_dir or dist>/sbin/edg-voms-admin-configure remove \  
--vo=<VO_name> --port=<port_number> --dbapwd=<password>
```

One has to call it with the same options as at installation time.

Testing the components:

1. Test if Tomcat is running with a web browser: <http://localhost:<port-number>/>
2. Test if the edg-voms-admin war file is installed: <http://localhost:<port-number>/edg-voms-admin/<VO-name>/index.html>
3. Test if the axis components were installed successfully: <http://localhost:<port-number>/edg-voms-admin/<VO-name>/happyaxis.jsp>

4. Test if the edg-voms-admin components are properly configured: [http://localhost:\(port-number\)/edg-voms-admin/\(VO-name\)/happyvoms.jsp](http://localhost:(port-number)/edg-voms-admin/(VO-name)/happyvoms.jsp)
5. Try a test method: [http://localhost:\(port-number\)/edg-voms-admin/\(VO-name\)/services/VOMSCompatibility?method=getGridmapUsers](http://localhost:(port-number)/edg-voms-admin/(VO-name)/services/VOMSCompatibility?method=getGridmapUsers)
6. Try the admin interface: [http://localhost:\(port-number\)/edg-voms-admin/\(VO-name\)/webui/Admin](http://localhost:(port-number)/edg-voms-admin/(VO-name)/webui/Admin)

Assign a new administrator to the VO:

If the user's certificate is present in a `usercert.pem` file, then

```
edg-voms-admin --url=... \  
  create-user usercert.pem \  
  assign-role VO VO-Admin usercert.pem
```

If the service runs on the localhost with automatic local admin setting and the VO's alias is "fred" with VO name "Fred", and the administrator wants to grant himself this permission:

```
edg-voms-admin --url=http://localhost:8080/edg-voms-admin/fred \  
  create-user usercert.pem \  
  assign-role VO VO-Admin usercert.pem
```

or just simply by issuing

```
edg-voms-admin-local fred --add-admin
```

Assign a gridmap file query host to the service:

If the user's certificate is present in a `hostcert.pem` file, then

```
edg-voms-admin --url=... \  
  add-acl-entry <VO_name> allow list hostcert.pem
```

If the service runs on the localhost with automatic local admin setting and the VO's alias is "fred" with VO name "Fred", and the administrator wants to grant his host this permission:

```
edg-voms-admin --url=http://localhost:8080/edg-voms-admin/fred \  
  add-acl-entry VO allow list /etc/grid-security/hostcert.pem
```

or just simply by issuing

```
edg-voms-admin-local fred --add-host
```

Upgrading the database

If you have an already existing database, then you can insert the new administrative records by issuing the following command:

```
edg-voms-admin-local fred --upgrade-db
```

It may emit error messages, but it is safe to ignore them. It only means, that the database was already up-to-date.

Updating the CA table

The CA table is automatically updated by the service at startup and after a certain period. See the `voms.cafiles` and `voms.cafiles.period` properties in the `voms.service.properties` file!

edg-java-security tips

If you have already installed `edg-java-security` and `edg-java-security-tomcat` (starting from release 1.5.3) packages, but the administrative interface still doesn't work, then there are a couple of things to check out:

- `/var/tomcat/server/lib/edg-java-security-trustmanager.jar` If this jar file is not installed yet, then please run

```
$EDG_LOCATION/sbin/edg-java-security-post-install.sh
```

- `$EDG_LOCATION_VAR/etc/server.xml.d/insecure-service.xml`  
`$EDG_LOCATION_VAR/etc/server.xml.d/secure-service.xml` If this xml file is not installed yet, then please run

```
$EDG_LOCATION/sbin/edg-java-security-tomcat-configure
```

- `/etc/init.d/edg-tomcat4` If this file is not at this position, then it is probably still the default Tomcat service, which is running. Please execute the following commands:

```
ln -s $EDG_LOCATION/etc/init.d/edg-tomcat4 /etc/init.d/edg-tomcat4
ln -s $EDG_LOCATION/etc/init.d/edg-voms-admin /etc/init.d/edg-voms-admin
chkconfig --del tomcat4
chkconfig --add edg-tomcat4
chkconfig --add edg-voms-admin
```

From this point you can start the service by

```
service edg-voms-admin start
service edg-tomcat4 start
```