



Enabling Grids for E-scienceE

gJAF on ETICS

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www.eu-egee.org



Information Society



- **ETICS -> "e-Infrastructure for Testing, Integration and Configuration of Software"**
- **It provides a service to help software developers, managers and users to better manage complexity and improve the quality of their software.**
- **ETICS is multi-platform and open source.**
- **The client is designed to be simple to install. Results from daily, nightly and continuous builds and tests can be monitored via the web. Users can also browse and edit project data via a secured web application or CLI.**
- **Features: METRICS, REPORTS, PACKAGES REPOSITORY**

(<http://etics.web.cern.ch/etics/>)

[Java and ant installation]

```
cvs co -r glite_branch_3_1_0
  org.glite
```

```
cd org.glite
```

```
ant -f project/glite.csf.xml security
```

```
cd ../security
```

```
ant -f project/security.csf.xml authz-
  \
  framework-java
```

```
cd ../org.glite.security.authz- \
  framework-java
```

```
[python etics-client-setup]
etics-workspace-setup
```

```
etics-get-project org.glite
```

```
etics-checkout --platform
centos4_ia32_gcc346 \
--project-config glite_branch_3_1_0 \
org.glite.security.authz-framework-java
```

```
etics-build --platform centos4_ia32_gcc346 \
org.glite.security.authz-framework-java
```

- project/build.properties, configuration.properties.xml = ETICS configuration
- gLite component = CVS module + configuration
- *.csf.xml ~ configuration
- gLite subsystem = module w/ hierarchical dependencies + configuration (org.glite.security) build tools + configuration (org.glite.security.build-*) + configuration (org.glite.build-)
- gLite project = (see subsystem)

Important differences: (ant vs ETICS)

- | | |
|-------------------------------------------------|---------------------------------------------|
| • - start from CVS | - start from ETICS DB |
| • - build tools and configuration configuration | - build tools and |
| | are intermixed are separated (good!) |
| • - configuration is in ant properties | - configuration is in XML |

- **Developer's Feedback (Akos Frohner, 28.11.06)**
(<http://indico.cern.ch/conferenceDisplay.py?confId=a063546>)

Reports and build logs:

<http://etics.cern.ch:8080/reportBrowser/>

Configuration via web browser:

<https://etics.cern.ch:8443/etics>

Configuration via CLI:

See man pages or example above

- **ETICS is under development**
- **Missing binary external dependencies**
- **Mis-using/wrong configuration**
- **Important to remember (for environment variables):**
`--project-config glite_branch_3_1_0`
- **Overriding environment as fixes (--platform)**
`-> gcc323 vs gcc346`

**However: we are able to build gJAF and handling of dependencies and building is simplified.
(When ETICS works as planned 😊)**