

## Glexec on the worker node

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- **Status at NIKHEF**
- **Status at HIP**
- **TODO**

- **Two test-beds for testing:**
  - NIKHEF (with CREAM)
  - HIP (without CREAM)
- **NIKHEF**
  - No jobs have been submitted...
  - CREAM does not run on SL4 64-bit, hence the farm has been downgraded to SL3 32-bit
  - CREAM will be installed next (done now)
  - CREAM needs to be configured

- **HIP**

- One CE (egee1.hup.fi) and two WNs (c0-0 and c0-1)
- WN c0-0 is the same machine as the CE
- glxec works on HIP:
  - `voms-proxy-init -voms EGEE`
  - `export GLEXEC_CLIENT_CERT=/tmp/x509_450103`
  - `export GLEXEC_MODE="lcmaps_get_account"`
  - `/opt/glite/sbin/glexec /usr/id`
  - `uid=45055(egee005) gid=45050(egee) groups=45050(egee)`
- Ultimate test is with qsub, didn't work yet last week
  - Unauthorized Access
- c0-0 was easy because WN and CE are the same machine
- c0-1 needs to get a copy of the config or make use of NSF
  - Future plugin to get the uid and gid
    - `<plugin name> -> good`

- **Get CREAM on the NIKHEF cluster**
- **Get qsub to work on the HIP cluster (should be solved now)**
- **Make a plugin to get the uid and gid in a secure manner**
  - Trivial configuration on the WNs
  - The technology to be used needs to be decided
    - SAML 2.0 (current favourite, because of cooperation with OSG)
      - *No C library yet, but [Globus|Fermilab] is willing to make one for us.*
      - *EGEE and OSG will be interoperable on this level*
    - gsoap (early contender)