

# EUROPEAN MIDDLEWARE INITIATIVE

## EMI WN

### SERVICE REFERENCE CARD

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# EMI WN Service Reference Card

## Daemons running

Depending on the batch system used.

## Init scripts and options (start|stop|restart|...)

Depending on the batch system used.

## Configuration files location with example or template

- /etc/profile.d/a1\_grid\_env.sh
- /etc/profile.d/grid-env.sh
- /etc/profile.d/grid-env.csh

## Logfile locations (and management) and other useful audit information

- /var/log
- Batch system specific logfiles (varies)

## Open ports

- gLite port table

## Possible unit test of the service

## Where is service state held (and can it be rebuilt)

## Cron jobs

- cleanup-grid-accounts
- fetch-crl

## Security information

### Access control Mechanism description (authentication & authorization)

- Nothing reported

### How to block/ban a user

- There is no way to block/ban a user on a single Worker Node. The access must be handled at the level of the CE, you can see here

## Network Usage

- Worker Nodes should normally be configured to have outbound connectivity only to the world. There is no need for the WN to be reached from the outside.

## Firewall configuration

See above "Network Usage". Moreover:

- SCP access with HostBasedAuthentication must be granted to the Computing Element
- Ports used by the batch system server must be opened for access on the WN. ie:
  - ◆ 15001 - 15004 (TCP/UDP) for Torque

## Security recommendations

- Disable all unneeded services and daemons.
- Use private IP addresses.
- Verify that all grid accounts are "cron" and "at" denied.
- Verify that fetch-crl and cleanup-grid-accounts cron scripts are in place and working.
- Consider to use some script to periodically check for processes escaping the batch system control (see Processes On Batch Nodes)

## Security incompatibilities

Nothing reported

## List of externals packages that are not maintained by the supported OS.

## Other security relevant comments

-- DoinaCristinaAiftimiei - 25-Apr-2011

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