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## Status of EDG 1.2 Release

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Release Discussion (CERN)

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## ❖ Status:

- ❖ Currently using "β21" based on earlier Globus' "β2".
- ❖ Waiting for proper Globus GASS cache fix from Condor.

## ❖ Pending:

- ❖ GASS cache hack
  - Request to clean-up unused directories (`~/globus/.gass*`)
  - Request to move to common directory (`~/globus/.gass_cache/.gass*`)
- ❖ Change to Globus 2.0 release
  - Fix file transfer problem for transfers lasting >20 min.
  - Fix (?) some MDS problems, but not main ones (see later).

## ❖ Summary:

- ❖ No known blocking issues for Globus code.

### ❖ Status:

- ❖ Intensive debugging on dev. TB by F. Prelz and I. Augustin uncovered:
  - Miscommunication to proxy server which causes JSS misbehavior
  - Machine limits (RAM, file descriptors, ports)
- ❖ Waiting for new rpms from WP1 (expected ~Wednesday).
- ❖ With fixes RB handles ~2000 total jobs from 20 simultaneous users.

### ❖ Pending:

- ❖ None for short term; see F. Prelz's email for medium and long term issues.
- ❖ Fixes for two security problems, probably a longer term issue.

### ❖ Summary:

- ❖ No blocking issues if patched rpms work as expected.



### ❖ Status:

- ❖ Interaction between Sys. Admins, Loose Canons, WP2 to get GDMP with multiple VO support correctly configured.

### ❖ Pending:

- ❖ SE host subject names into *local* grid mapfile.
- ❖ Configuration of GDMP client commands on WN, CE, UI.
- ❖ umask change for gsiftpd and pooled accounts
- ❖ Management of ld.so.conf file.

### ❖ Summary:

- ❖ Need to iron-out remaining configuration details, then ready for release.

### ❖ Status:

- ❖ Using hand-managed II configuration (as on prod. TB)
- ❖ Testing patch (from WP1) for MDS "hanging" problem.
- ❖ Testing patch (from NorduGrid) for MDS "loss of all info." problem.

### ❖ Pending:

- ❖ Recommended patches for deployment.
- ❖ Testing with real MDS hierarchy.

### ❖ Summary:

- ❖ Can survive with "hand-managed" configuration, but **FAR** from ideal. Release should have working MDS hierarchy unless impossible in near-term future.



### ❖ Status:

- ❖ Some outstanding bugs but none are show-stoppers.

### ❖ Pending:

- ❖ Nothing that I know of.

### ❖ Summary:

- ❖ Machines managed by current LCFG release. Gatekeeper issues are rooted in Globus code itself.

❖ **Status:**

- ❖ Access to CASTOR at CERN is possible for users with "tape" accounts.

❖ **Pending:**

- ❖ Testing of CERN CASTOR access.
- ❖ Verify that access also works at RAL and CC-IN2P3.

❖ **Summary:**

- ❖ Verify base-level of MSS access at CERN, RAL, and CC-IN2P3.



### ❖ Status:

- ❖ Network monitoring working with separate "hierarchy."
- ❖ Released rpms with minor bug fixes.

### ❖ Pending:

- ❖ Testing with real MDS hierarchy once it is working.

### ❖ Summary:

- ❖ Ready now. Separate from core EDG functionality and can be released separately if fixes are needed.



### ❖ Software Requests:

- ❖ bbftp desired (?)
- ❖ AliEN rpms installed for interoperability tests.
- ❖ GENIUS installed on UI.
- ❖ Others??

# Current Release (β3)

## ❖ Needed fixes:

- ✓ SE config. of globus\_url\_copy and gatekeeper
- ✗ LCFG install of SE from scratch not easy.
- ✓ Force install of BrokerInfo and gdmp-client rpms.
- ✓ Set mdshost for gdmp configuration.
- ✓ Updated lpr version in repository/configuration.
- ✗ umask for gsiftpd and pooled accounts on SE.
- ✓ Bugzilla #483 (obj-gdmp and create\_gridmapfile script)
- ✗ Configuration of gdmp-client on WN, CE, UI.
- ✗ Manage ld.so.conf file from LCFG object.
- ✓ Proxy machine configuration added to release.
- ✓ Remove quotes from gdmp\_rep\_cat\_... variable values.



## Current Release (β3)

### ❖ Needed fixes (continued):

- ✓ Fixed edginfo and gdmp account home areas in LCFG configuration.
- ✓ Missing "." in gdmp configuration.
- ✓ mkgridmap daemon not needed on UI (LCFG configuration).
- ✓ Add ITeam and WP6 VO support to standard SE configuration.
- ✓ Updated lpr version in repository/configuration.
- ✓ Changed RB configuration to add proxy renewal for WP1 daemons.
- ✓ Added new gdmp rpms (which fix many of the problems above).
- ✗ Add new jobsubmission and L&B rpms.
- ✓ Add new network monitoring rpms.

### ❖ Will tag β4 today or tomorrow.

# Summary

## ❖ EDG 1.2.0 release will exist ~1 week.

- ❖ Finalize GDMP configuration on SE.
- ❖ Configure working MDS hierarchy.
- ❖ Attempt upgrade to latest Globus release.

## ❖ Deployment:

- ❖ 1.2.0 deployed on development testbed.
- ❖ Development TB opened to applications testers.
- ❖ 7 days later applications groups indicate whether release is acceptable:
  - Yes, deployment on production TB begins (core sites → testing → other sites)
  - No, new round of negotiation between MW and applications.

## ❖ July ITeam week:

- ❖ Work on autobuild, configuration, and rationalizing rpm lists.
- ❖ Integrate new middleware?