

PoD

“a PROOF cluster on-the-fly”

Status report

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PoD v2.0.7 (previous release)

- one-click-installation,
- user friendly GUI – easy to config. and use,
- works out of the box,
- dynamic ports on UIs and WNs,
- supports reconnections,
- supports different resources (with help of a plug-in system).

New in PoD v2.0.8

- resource requirements were reduced by a factor of 3,
- improved support of multi-core/multi-user,
- revised external dependencies of PROOFAgent,
- a new configuration file format and a new build system for PROOFAgent,
- auto-shut-down of idle workers,
- an improved version of LSF plug-in.

PoD & GSI

- used by GSI's ALICE group,
- dedicated nodes for PoD UIs,
- PoD's LSF plug-in,
- dedicated LSF queue:
 - preemptive, max 80 jobs per user and max 2 hours run-time per job.
- data located on the luster FS,
- tests with ALICE's PROOF tutorial scripts.

Ready for the end of July '09

- implement a single user-defaults configuration,
- extend the LSF plug-in (job kill and peek in GUI),
- documentation update,
- + many small tasks (see PoD trac:
subversion.gsi.de/trac/dgrid).

Long-term tasks

- disentangled PoD: let users have PoD UI everywhere they want with an access to a PoD server via ssh,
- a configurable number of threads per worker in PROOFAgent,
- support for Condor,
- implement an automated functional test.

<https://subversion.gsi.de/trac/dgrid>

PoD has all advantages which PROOF has

+

- **user have a full control of the cluster,**
- users are free to choose:
 - a ROOT version for PROOF services (xrd, xproof, proofserv.exe),
 - a number of workers (up to a defined limit),
 - a PROOF master node,
- monitoring for free,
- resource sharing for free.