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). Added LSF plug-in.

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,

- PoD's LSF plug-in is in use

- dedicated nodes for PoD UIs,

- 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 workers per thread in PROOFAgent,

- support for Condor.

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.