

PoD: Current status and future plans

Thursday, March 14, 2013 9:30 AM (20 minutes)

PROOF on Demand (PoD) is a tool-set, which dynamically sets up a PROOF cluster at a user's request on any resource management system (RMS). It provides a plug-in based system, in order to use different job submission front-ends.

PoD is currently shipped with gLite, LSF, PBS (PBSPro/OpenPBS/Torque), Grid Engine (OGE/SGE), Condor, LoadLeveler, PanDA and SSH plug-ins. It makes it possible just within a few seconds to get a private PROOF cluster on any RMS. If there is no RMS, then SSH plug-in can be used, which dynamically turns a bunch of machines to PROOF workers.

In this presentation new developments and use cases will be covered.

We will talk about a new PanDA plug-in, which uses ATLAS PanDA - a distributed software system developed for the ATLAS experiment. A new worker package architecture with binary payload attachments as well as a dynamic server architecture will be also discussed during the presentation.

The talk will also cover revised PoD UI and Server interactions.

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