

Introduction

Service Overview

The Workload Management System (WMS) comprises a set of Grid middleware components responsible for the distribution and management of tasks across Grid resources, in such a way that applications are conveniently, efficiently and effectively executed. Following the list of sub-services the WMS is composed of:

- **Workload Management – WM:** Core component of the Workload Management, its purpose is to accept and satisfy requests for job management coming from its clients
- **WMProxy:** Web service interface to submit jobs to the WM
- **Job Controller – JC:** Acts as an interface to condor for the WM
- **Log Monitor – LM:** Directly connected to JC acts as a job monitoring tool parsing condor log files
- **Local Logger:** copy events to be sent to the LB server into a local disk file
- **LBProxy:** keeps a local view of the job state to be sent to the LB server
- **Proxy Renewal:** Service to renew the proxy of a long-running job

Installation and Configuration

- Install and configure OS and basic services according to the <https://twiki.cern.ch/twiki/bin/view/LCG/GenericInstallGuide310>
- Install glite-WMS metapackage from appropriate gLite software repository
- Configure the WMS node via yaim by running the following command '`/opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS'`

-- ElisabettaMolinari - 25 Mar 2009

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