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Welcome to ArdaGrid Web

More information about wiki, search, preferences, tools: see MoreWikiInformation

More on ARDA project and purpose of this page: ArdaGrid

Our activities

- ARDA homepage: http://cern.ch/arda
- ARDA twiki: https://twiki.cern.ch/twiki/bin/view/ArdaGrid/WebHome
- EIS twiki: https://twiki.cern.ch/twiki/bin/view/LCG/LCGExperimentIntegrationAndSupport
- Documents (papers, presentations, etc...)

- ARDATestBed
- ApplicationsOnTheGrid

Ganga

![Ganga Logo]

- homepage: http://cern.ch/ganga
- GangaIndex

EnviroGRIDS

- homepage: http://www.envirogrids.net

AMGA

![AMGA Logo]

- homepage: http://cern.ch/amga
- AMGAPracticalNotes for the ACGrid school, Vietnam

UnoSat

- Thesis of Daniel Sandoval Lagrava:

Grid Reliability

- Site of the day (CMS users; FireFox and IE only). It provides also the "worker node (or CE) of the day" (CE/worker nodes with error in executing CMS jobs)
- Site of the day ATLAS users
WebHome < ArdaGrid < TWiki

- Site of the day LHCb users
- Site of the day ALICE users
- The 4 VOs T1 of the 4 VOs
- FTS efficiency FTS channel of the day
- Sustained WMS stability monitoring
- Daily WMS performance evaluation and monitoring
- GridReliability (for site managers)

**Experiment Dashboard**

- ATLAS homepage: http://arda-dashboard.cern.ch/atlas
- CMS homepage: http://arda-dashboard.cern.ch/cms
- ATLAS DDM Monitoring
  - Production: http://dashb-atlas-data.cern.ch/dashboard/request.py/site
  - Tier 0: http://dashb-atlas-data-tier0.cern.ch/dashboard/request.py/site
- Dashboard twiki
- CMS/Dashboard twiki
- Dashboard Project Homepage: http://dashboard.cern.ch
- SiteStatusBoard

**ATLAS DDM**

- Dashboard Monitoring
  - Production: http://dashb-atlas-data.cern.ch/dashboard/request.py/site
  - Tier 0 Test: http://dashb-atlas-data-tier0.cern.ch/dashboard/request.py/site

- ToDoList

**VO Specific Service Monitoring**

- JinamarVOSS

**Other Activities**

**DIANE User Level Scheduling**

- DIANEIndex
  - Monalisa monitoring page for DIANE applications
  - homepage: http://cern.ch/diane

**ITU RRC06: International Telecommunication Union Regional Conference**

- ITUConferenceIndex
  - ITU page on planning process
  - AFS diane.workspace (post-mortem analysis)
  - MonaLisa monitoring page
Preparatory Tests
Operation Procedures
Post Mortem Evaluation
ITU Press
Catalog of official and interesting runs
Logfile names vs job master ids

Avian Flu Data Challenge
Avian Flu Press
Statistics of the DIANE runs
HealthGrid 2006 Poster (PDF)
HealthGrid 2006 Poster (PPT)
Presentation on WISDOM workshop@HealthGrid 2006
Paper published in IEEE Transaction on Nanobioscience
EGEE 2006 Demo

Geant4 on the Grid
Geant4 Release Testing
Test Geant4 Installation Before Grid Deployment
OBSELETE: Running Geant4 On The Grid
OBSELETE: Geant4 Tarball Grid Installation

FUSION/HEP Collaboration (EGEE)
The working directory can be found under: /afs/cern.ch/sw/arda/install/DIANE/FUSION
The input files (to be included in the Input Sandbox) required for each job are: fuentes_lgv.tar.gz and input_lgv.tgz.
In addition a lgv.sh and lgv.jdl files are included into the same directory.

The variation of each job can be chosen based on the number of trajectories which can be defined into the file: /inputs/input.lis.tj2. The integration of the 3 following variables: nf*nb*lb provides the number of trajectories. For about 100 trajectories each job should take about 9-10 min of duration.

The granularity of the production is also defined in the same file by the variable: seed (also included in that file). This variable set to zero makes a random evolution of the job creating therefore different outputs for each job.

Python Testing Framework
PYTF

Garfield on the Grid
Garfield Grid Instructions

Theoretical Physics
feynsect
mcfm
SU3
SIXT

Computational Chemistry
  • WIEN2K

ThIIS on the Grid
  • ThIISOnTheGrid

Clouds
  • CloudsOnTheGrid

AgentFactory

Evaluation of Messaging System for Grids (MSG)
  • MSG_Monitoring.odp: Source for "New technologies for Grid Monitoring" presentation
  • MSG_Monitoring.pdf: PDF version

NSS2008DemoAndTutorial

Ganga/DIANE Monitoring service
  • GangaMonAdmin
  • GangaDIANEMonitoring

DataTransferForTheoryQCD

LatticeQCDTeraGrid2010

TaskMonitoringWebUI

EGIUserForum2011Training

EGIIntroductoryPackage

Tips and tricks
  • LCGtips
  • ThreadingTips
  • ShellTips

StudentExperienceInARDA

ARDA Machines

The following gives an overview of the machines we have for ARDA and who is responsible for them.
The machines that are in the dashboard cluster are managed by Ricardo Rocha, those in the ARDA and Atlas Distributed Computing Cluster are managed by Birger Koblitz. This means that the following things are done exclusively by the two:

- hardware requests for new machines in the respective clusters
- Root access, interactive login access