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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/LCGExperimentIntergrationandSupport>
- Documents (papers, presentations, etc...)

- ARDATestBed
- ApplicationsOnTheGrid

Ganga



- homepage: <http://cern.ch/ganga>
- [GangaIndex](#)

EnviroGRIDS

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

AMGA



- homepage: <http://cern.ch/amga>
- [AMGAPracticalNotes](#) for the [ACGrid](#) school, Vietnam

UnoSat

- Thesis of Daniel Sandoval Lagrava:
<https://twiki.cern.ch/twiki/bin/viewfile/ArdaGrid/WebHome?rev=1;filename=thesis.pdf>

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 [\(ATLAS users\)](#)

- Site of the day [↗](#) LHCb users
- Site of the day [↗](#) ALICE users
- The 4 VO's [↗](#) T1 of the 4 VO's
- 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 [↗](#)

- PreparatoryTests
- OperationProcedures
- PostMortemEvaluation
- ITUPress
- Catalog of official and interesting runs [↗](#)
- Logfile names vs job master ids [↗](#)

Avian Flu Data Challenge

- AvianFluPress
- Statistics of the DIANE runs [↗](#)
- HealthGrid 2006 Poster (PDF)
- HealthGrid 2006 Poster (PPT)
- Presentation on WISDOM workshop@HealthGrid 2006
- Conference paper of NETTAB 2006 (NETTAB 2006, Santa Margherita di Pula, July 10-13, 2006)
- Paper published in IEEE Transaction on Nanobioscience
- EGEE 2006 Demo

Geant4 on the Grid

- Geant4ReleaseTesting
- TestGeant4InstallationBeforeGridDeployment]
- OBSOLETE: RunningGeant4OnTheGrid
- OBSOLETE: Geant4TarballGridInstallation

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 InputSandbox) 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 cresting therefore different outputs for each job.

Python Testing Framework

- PYTF [↗](#)

Garfield on the Grid

- GarfieldGridInstructions

Theoretical Physics

- feynsect
- mcfm
- SU3

SIXT

Computational Chemistry

- WIEN2K

ThIS on the Grid

- ThISOnTheGrid

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

EGUserForum2011Training

EGIntroductoryPackage

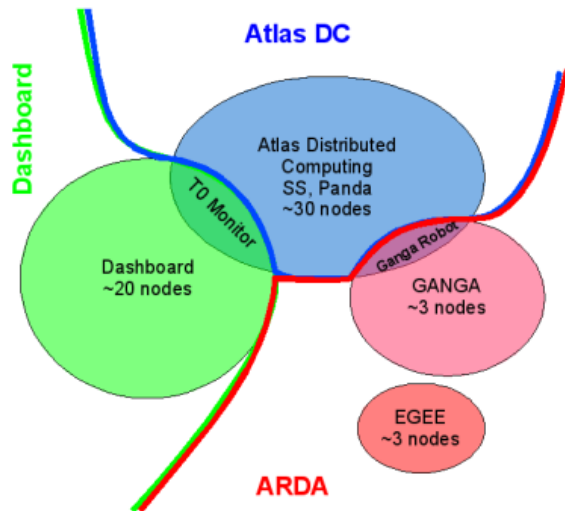
Tips and tricks

- 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 the two:

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

This topic: ArdaGrid > WebHome

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