



# DIRAC testbed

## 23 Jun 2011

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# URL



- **SuperB**
  - testbed wiki:  
[http://mailman.fe.infn.it/superbwiki/index.php/Distributed\\_Computing/Dirac\\_testbed](http://mailman.fe.infn.it/superbwiki/index.php/Distributed_Computing/Dirac_testbed)
  - Webportal:<https://bbrbuild01.cr.cnaf.infn.it:8443/DIRAC/>
- **DIRAC team: (CURRENTLY USED: 1, 5, 6, 7)**
  - 1) **GitHub:** <https://github.com/DIRACGrid> (updated)
  - 2) **Google Code:** <http://code.google.com/p/dirac-grid/> (not updated)
  - 3) **twiki@CERN:** <https://twiki.cern.ch/twiki/bin/view/LHCb/DiracProject>
  - 4) **Launchpad:** <https://launchpad.net/dirac> (not updated)
  - 5) **Official site:** <http://diracgrid.org/>
  - 6) **User Forum:** <https://groups.google.com/forum/#!forum/diracgrid-forum>
  - 7) **Developer Forum:**  
<https://groups.google.com/forum/#!forum/diracgrid-develop>



# Storage Elements



- A complete(?) list of all SuperB SE is available at [http://mailman.fe.infn.it/superbwiki/index.php/Dirac\\_testbed/StorageElement](http://mailman.fe.infn.it/superbwiki/index.php/Dirac_testbed/StorageElement)
  - 28 SE found
  - Actually not all SE are rightly accessible
- 14 SE configured in DIRAC
  - Work in progress to properly configure all of them
- ProductionSandbox to get job output



# Storage Elements in DIRAC



- BARI-INFN
- CALTECH
- CNAF
- FERRARA-INFN
- GRISU-UNINA
- GridPP
- LAL-USER
- NAPOLI-INFN
- OXFORD
- PADOVA-INFN
- PISA-INFN
- ProductionSandboxSE (@ CNAF)
- RAL-PPD-GRID
- ULTRALIGHT-USER
- UVIC



# Simple Job Submission



- Work via webportal and via CLI
- CE can be specified
- Get Output working properly
- OutputSE working properly ?
- Trouble using Input file from FileCatalog (dirac problem or my error ?)



# Bulk Job Submission



- Work via CLI
- Get output working properly if (e.g.)
  - Parameters = 20;
  - ParameterStart = 1;
  - ParameterStep = 2;
- Problem: no get output if (e.g.)
  - Parameters = {"first", "second", "third", "fourth", "fifth"};
  - **Error: No Output sandbox registered for job XX (why?)**
- How specify parameters via webportal ?



# ToDo list



- Bulk submission via webportal
- Bulk submission using string parameters
- Properly DIRAC SE working automatic check
- More test on File Catalog (sometime not working properly)
- install “test” setup using a more updated version of DIRAC
  - We are using release v5r13p2
  - Last release is v6r0-pre4
  - some problems are fixed ?
- **Suggestions ?**