
7th DIRAC User Workshop - Summary and prospects



Andrei apologies for having to leave the workshop early

- 31 registered users
 - more or less the same number as previous years
 - many known faces
 - and some new
 - It's good to see that knowledge of DIRAC is growing
 - Expert users and developers from some communities
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- Reports from users
 - Reports of Dev and DevOps activities
 - Hackathons/hands-on
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Reports from users

- Few “large” private installations
 - LHCb, Belle2 among all
 - Shared installations popular
 - ILC, BES III, FG, GridPP, EGI, ...
 - Users outside of HEP not a news
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- DIRAC releases seem more stable than at the last workshop.

▶ We are using and developing DIRAC components for 4 active project

▶ Improved response from developers on issues in GitHub

▶ Clean-up of issues would be good.

▶ A lot of discussion of new things in BILD meetings weeks

- Improvements on VMDIRAC2.1
 - Configuration is more clear and easier
 - Code infrastructure more consistent with that of other resources
 - Able to support Multi-VO

Many improvements since last workshop

- Hardware upgrade
- First version of TS meta-filters
- CVMFS setup
- Tests on VMDIRAC

▶ We are making good use of our resources via DIRAC

▶ Our users are generally happy, and the system is easy to use

▶ Future wish list for DIRAC data management:

- Expanded use of “dataset” feature that appears to be at least partially implemented in the CLI
- More command-line tools to facilitate ancestry/descendent data selections, to isolate “ordinary” users from the DIRAC API
- Similar command-line tools to facilitate dataset operations

- ▶ Working on transition to r17
- ▶ Many issues with **minor** fixes

- Three sites in the UK currently have EL7 resources:
 - ECDF: EL7 only (shared cluster)
 - Imperial: 1/3 of all worker nodes are EL7
 - Liverpool: EL7 test queue
- It's not going well.

Reports from Dev and DevOps

- Better releases pace
 - Due to better tests and certification process
 - still work to do
 - Improved docs
 - and improved knowledge
 - Participation to BILD
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- Bulk submission
 - Logging (pilot and services)
 - CVMFS deployment
 - Multiprocessing strategies
 - Cloud management
 - Code improvements and “standardization”
 - SSO solutions
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- Better (more detailed) release notes
 - Roadmap to be displayed in the project pages
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- This is an Open Source project
 - We welcome your contributions
 - All is a matter of lack of manpower
 - A lot of development for DIRAC and LHCbDIRAC done in LHCb
 - Most developers also participate in certification and operations
 - ... and we need to keep an efficiently running system!
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Hackathons

- new item on the agenda
 - good part of them was a hands-on tutorial
 - slower than what we thought
 - we had more things prepared
 - We hope it was useful anyway
 - was it? feedback/suggestions very welcome
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- We managed to install DIRAC
 - With services and agents
 - runit
 - SSL/TLS CAs and certs explained
 - How to add components, and databases, and set things to run
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- I hope we showed that it's easy to start (easier than it was!)
 - And that running tests is important
 - And that you can setup a Continuous Testing infrastructure in minutes!
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- We showed how easy it is to make documentation, also for code
 - And how to organize it properly
 - During the hackathons you may have taken some documentation:
 - Update the official doc
 - or
 - Send it to Chris, or to me
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To conclude

- Board of representatives (2 days ago):
 - New partner invited:
 - PNNL
 - UB affiliation suspended
 - Management re-election:
 - Coordinator: Andrei
 - Tech. Coordinator: Federico
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IMHO, excellent!

Thanks Wojchek(s)
and Magda!

The 8th DIRAC Users' workshop

where?

and when?

(in about a year from now)

- how did we do?
- would you change something for the next workshop?
 - is it too long? too short?
- did you like the idea of the hands-on tutorial/hackathons?

...and questions/comments from you?
