8th DUW

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Summary and prospects

- 45 registered users
  - an increase wrt previous years
  - many known faces
  - and many new ones -- welcome!
- It's good to see that knowledge of DIRAC is growing
  - Expert users and developers from some communities
- Every year a bit longer...

- Reports of Dev and DevOps activities
  - we tried to focus on DIRAC basics, and give insights on how the internals work
    - I hope we succeeded…
  - Special focus of the year:
    - Transformation System, and Production System
    - Data Management
    - WMS
- Reports from users
- Tutorials, hands-on

Reports from Dev and DevOps

- From last year:

Success stories

- Better releases ~~pace~~ Tests
  - Due to better tests and certification process
    - still work to do
- Improved docs
  - and improved knowledge
- Participation to BILD

Consolidation of all

- Pilot3
- ElasticSearch usage
- RSS
- Bulk submission
- Matching on MP, or GPU, etc.
- New Logging
- Web 4

- ## Multi-VO support
  - ○ requested for RSS and for TS
  - ○ Managing VOs
    - ■ Integration of SSO solutions
    - ■ Adding a VO in "few clicks"
    - ■ VO-Admin role with appropriate access rules
    - ■ Registry editor
    - ■ Suspended user status
    - ■ Revoke VO resources no more available for VO
    - ■ dirac-infosites
    - ■ Enhanced Site-Directors to cope with multi-VO queues, fine grained per group pilots

- dirac-install-me-wms
  - dirac-install-me-dms
    - …
- Productions Management
  - a first system is coming
- Easy adding of new Accounting/Monitoring types
- "Job parameters" analysis with ES
- More advanced plotting library

- Interfacing DIRAC with other DDMs
  - do you want an opinion…?
- LFC2DFC migration

From Tuesday...

An open source project

- Started as an LHCb project, became experiment-agnostic in 2009
  - First users (after LHCb) end of 2009
- Developed by communities, for communities
  - Open source (GPL3+), GitHub hosted, python 2.7
  - No dedicated funding for the development of the "Vanilla" project
  - Publicly documented, active assistance forum, yearly users workshops, open developers meetings
  - 4 FTE as core developers, a dozen contributing developers
- The DIRAC consortium as representing body

Reports from users

THE INTERWARE

- Few "large" private installations
  - LHCb, Belle2 among all
- Shared installations popular
  - ILC, BES III, FG, GridPP, EGI, …
- Users outside of HEP not a news
- DIRAC installations consolidation
  - No further expansion in terms of new installations
  - Many more users and communities in the existing services

- Several developments on top of Vanilla DIRAC
- Some communities developed some code in the extensions that could possibly be ported back
- In general, DIRAC end users "happy"
- Being a DIRAC administrators requires training
  - easy-of-use a concern
- Quite some interest on Transformation System, for different purposes

Tutorials

- TS
- Development
  - small group, many questions
    - fruitful, I think

To conclude

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- Board of representatives (2 days ago):
  - UB affiliation (right now suspended)
    - ultimatum
  - new simplified way of joining

IMHO, excellent!

Thanks Vanessa

- how did we do?
- would you change something for the next workshop?
  - is it too long? too short?
  - presentations too difficult? Boring?
- Tutorials OK?

...and questions/comments from you?