

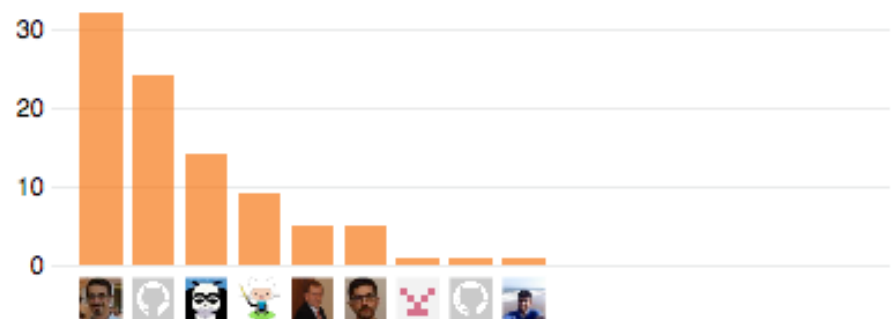
Project Status

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22 May, DIRAC User Workshop,
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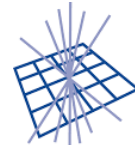
- ▶ About 250 Pull Requests in the DIRAC Github repository in the last year
- ▶ 11 distinct authors made contributions in the last month:

Excluding merges, **9 authors** have pushed **92 commits** to integration and **92 commits** to all branches. On integration, **124 files** have changed and there have been **6,846 additions** and **3,966 deletions**.



- ▶ Two major release in the last year (the same as in the previous year)
 - ▶ v6r19 Oct 2017
 - ▶ RSS to manage Site and CE statuses
 - ▶ Accounting for perfSONAR data
 - ▶ Support for multi-core jobs
 - ▶ gLogger reimplementatation
 - ▶ v6r20 May 2018
 - ▶ Better FTS3 support
 - ▶ Enhanced Storage Occupancy monitoring
 - ▶ Pilot3.0 framework
 - ▶ PilotsLogging service
 - ▶ Singularity CE
 - ▶ DIRACOS

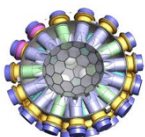
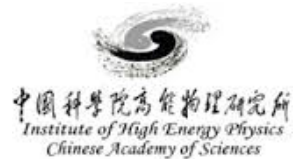
- ▶ Most of the year working in the mode with weekly patch releases
 - ▶ 35 patch release in total in the last year
 - ▶ Automatic unit tests and checks for the code quality, format and docs
 - ▶ Integration tests with Jenkins
- ▶ False start with the v6r18 release in May 2017
 - ▶ We had to retract it due to serious problems
 - ▶ More thorough certification was necessary
- ▶ For the v6r20 release
 - ▶ 24 prereleases created for testing/certification



GridPP
UK Computing for Particle Physics



- ▶ Dedicated installations
 - ▶ LHCb, Belle II, CTA
- ▶ Multi-community services
 - ▶ ILC, CALICE
 - ▶ IHEP: BES III, Juno, CEPC
 - ▶ FG-DIRAC
 - ▶ GridPP
 - ▶ DIRAC4EGI
 - ▶ PNNL
 - ▶ DIRAC@JINR
- ▶ Several DIRAC evaluations are ongoing
 - ▶ Auger, ELI, NICA, Virgo, ...



- ▶ No new production DIRAC service installations in the last year
- ▶ The use of existing services intensifies
 - ▶ > 400 users from 21 VO's registered in DIRAC4EGI
 - ▶ > 800 users from 25 VO's registered in FG-DIRAC
- ▶ New volunteers to provide DIRAC services are invited to join one of the existing infrastructures
 - ▶ For example, CNAF providing support for the DIRAC4EGI service – CS slave, File Catalog for Virgo community
 - ▶ FZU supporting Auger community in the framework of the FG-DIRAC service – CS slave, File Catalog, SE
- ▶ Possibility to join some services is discussed
 - ▶ E.g. merging FG-DIRAC and DIRAC4EGI in order to join efforts of the two support teams

- ▶ DIRAC Consortium membership did not change in the last year:
 - ▶ CNRS
 - ▶ CERN
 - ▶ KEK
 - ▶ IHEP
 - ▶ PNNL
 - ▶ University of Montpellier
 - ▶ University of Barcelona membership is (still) suspended
- ▶ Board of representatives, 23d May

- ▶ EOSC-Hub E-Infra12 Horizon 2020 call
 - ▶ DIRAC4EGI service is part of the EOSC-Hub portfolio
 - ▶ Starting from 1 Jan 2018
 - ▶ Contributors: CNRS, CYFRONET (WP6, WPI I)
 - ▶ With the help of CNAF, Bologna and BITP, Kiev

- ▶ DIRAC@IN2P3 Master project
 - ▶ Contributions from CPPM, LUPM, CC/IN2P3 and CREATIS labs
 - ▶ Working on
 - Transformation, Production systems
 - Support for the FG-DIRAC service

- ▶ Computing and Data (Calcul et Données) group is created in CPPM/CNRS (last week)
 - ▶ Developments for DIRAC being one of the main group objectives
 - ▶ Opening hiring possibilities in principle, but we will see

- ▶ M³AMU Project to set up distributed data center for Aix-Marseille University
 - ▶ Budget approved, hardware purchases launched
 - ▶ DIRAC is chosen as the middleware for managing M³AMU resources

- ▶ Meeting point for the DIRAC users and developers
 - ▶ Information exchange
 - ▶ Open discussion

- ▶ Review of the current status and needs
- ▶ Discuss further development directions

- ▶ Workshop format
 - ▶ Favoring discussions and hands-on exercises
 - ▶ Do not hesitate to ask questions

- ▶ Many new users among the workshop participants
 - ▶ Reporters are asked not only to present new developments but remind the basic DIRAC architecture and design principles

Welcome to the 8th DIRAC User Workshop !



<http://diracgrid.org>

