

DIRAC Project status

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DIRAC@IN2P3 meeting,
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- ▶ Status of releases
- ▶ Ongoing developments
- ▶ EGI/FG-DIRAC service
- ▶ Conferences

- ▶ 2 patch releases in the last month
 - ▶ v7r1p4l
 - ▶ v7r2p8
- ▶ v7r3-pre9
 - ▶ Python3 both client and server
 - ▶ OAuth2/OIDC AAI, user management

- ▶ OAuth/OIDC AuthN/AuthZ (Andrii)
 - ▶ First updated PR in final preparation
 - ▶ To be certified shortly
 - ▶ <https://indico.cern.ch/event/852597/contributions/4331729/>
- ▶ COMDIRAC (Pierre)
- ▶ ProductionSystem (Luisa)

- ▶ Running more or less smoothly
 - ▶ MI-M5 2021 reporting period:
 - 4M jobs in 12 countries
 - 40 VO's, 737 users
- ▶ Still several problems to sort out
 - ▶ Many configured sites are failing job submission
 - ARC configuration problems
 - Obsoleted configuration (CREAMs)
 - ▶ Km3net.org VO case (but also other VOs)
 - Supported by many sites
 - VAPOR portal shows support by only one site
- ▶ Elasticsearch
 - ▶ ELIAS DB is set up, certificates are generated
 - ▶ Monitoring Service is started
 - To be tested still

- ▶ Pilot3 is still to be switched to
- ▶ M2Crypto is disabled and must be enabled
 - ▶ Must be confirmed for pilots and FG CA proxies
 - ▶ In progress
- ▶ Upgrade to v7r2 of several servers
 - ▶ ccdiracli10
 - ▶ Enable services access by HTTPS
 - ▶ DIRACOS v1r2
 - ARC CEs job output problem to be solved

- ▶ VMDIRAC is enabled in the service
 - ▶ Cloud sites are to be reconfigured
 - ☐ Projects/tenants are changing
 - ☐ Using MarketPlace images requires image selection by metadata, to be implemented
 - ☐ etc
 - ☐ Help needed
 - ▶ Token based user authentication to cloud endpoints should be taken into account
 - ☐ Using login/password in the meantime

- ▶ WP3 Concordia development setup is operational
 - ▶ Work in progress
 - ▶ Development portal marosvn84.in2p3.fr

- ▶ 10-11th May
 - ▶ <https://indico.cern.ch/event/852597>
- ▶ 80 registered participants
 - ▶ 55 max showed up simultaneously
- ▶ Some highlights
 - ▶ WMS
 - ▶ Advancements in HPC
 - ▶ Pilot central logging is highly requested
 - ▶ DMS
 - ▶ Rucio interface works (Belle II)
 - ▶ Focusing on supporting various protocols, TPC
 - ▶ X509 -> token
 - ▶ Rethinking the DIRAC AuthN/Z
 - ▶ Monitoring
 - ▶ ES is used by many installations
 - ▶ Imported in-house solutions (component monitoring) – Belle II and ILC solutions
 - ▶ Appeal to move to v7r2

▶ Consortium

- ▶ UM, IC, JLab to accomplish joining as partners
- ▶ Andrei and Federico are reconfirmed as Coordinator and Technical Coordinator

- ▶ Other contributions
 - ▶ ACAT
 - ▶ Abstract submission until June 15th
 - ▶ Grid'2021, JINR
 - ▶ Contribution to be submitted shortly (this week)

- ▶ Urgency for complex workflows paper
 - ▶ Volker's journal
- ▶ Draft paper URL
 - ▶ <https://gitlab.in2p3.fr/DiracIN2P3/TSPaper2017>
- ▶ Effort needed to accomplish it