

DIRAC Project status

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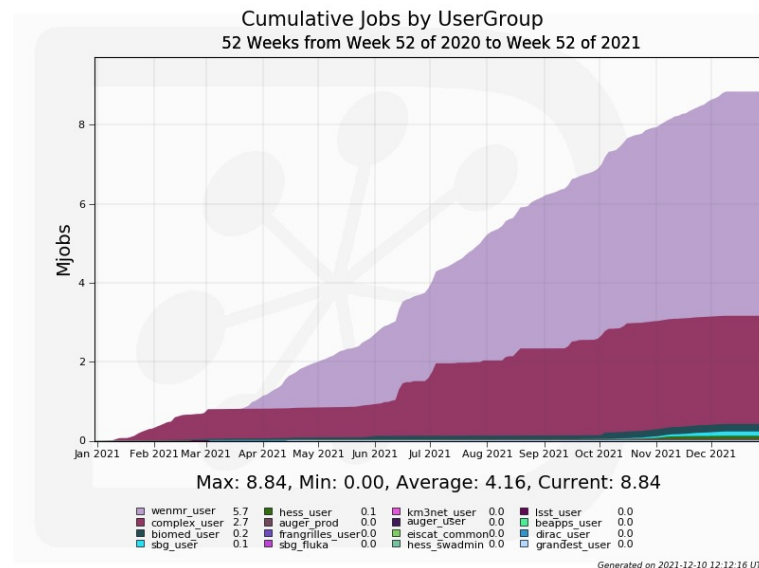
- ▶ Status of releases
- ▶ Ongoing developments
- ▶ EGI/FG-DIRAC service
- ▶ Conferences

- ▶ 3 patch releases in the last month
 - ▶ v7r2p37
 - ▶ v7r3p15
 - ▶ Multiple minor fixes
 - ▶ Job State Machine enhancements
 - ▶ Support for HPC centers without external connectivity
 - ▶ Several HTTPS/Tornado related fixes
- ▶ WebAppDIRAC
 - ▶ v4r3p10
- ▶ COMDIRAC
 - ▶ 1.3.2
 - ▶ Python3
 - ▶ Available from PyPi

- ▶ 8.0.0a12
 - ▶ Python3 only
 - ▶ OAuth2/OIDC AAI, user management
 - ▶ Basic PRs are merged now !
- ▶ Status
 - ▶ 7 certification hackathons are rather successful
 - Next hackathon will include testing OAuth/OIDC part
 - ▶ 2-3 more hackathons before the release (~)

- ▶ OAuth/OIDC AuthN/AuthZ (Andrii)
 - ▶ Base features included into v8r0 prerelease
 - ▶ Documentation of the new APIs
 - ▶ TokenManager service
 - ▶ Still to be finalized and merged into 8.0 (pre)release
 - ▶ Tests with third party services to begin
 - Clouds
 - HTCondorCE (OSG)
 - ▶ Can be tested in the EGI service, e.g. upgrading ccdiracli II to 8.0
 - To be discussed

- ▶ Running more or less smoothly
 - ▶ Since Jan 2021
 - ~11.5M jobs
- ▶ Servers installation
 - ▶ All servers are at v7r3p9
 - ▶ Pilot3
 - Grid jobs v7r2p30, python2
 - Cloud jobs v7r3p12, python3
- ▶ Passing to Python3 server installation
 - ▶ Next week
 - ▶ Upgrading one or several servers (ccdirac106,11)
 - ▶ Learn how to install, test the services operations
 - ▶ Follow with other services



- ▶ VMDIRAC
 - ▶ Currently configured 3 sites
 - Cloud.Padova.it, Cloud.ULAKBIM.tr, Cloud.IPHC.fr
- ▶ Ongoing development
 - ▶ Dealing with tokens
 - Working
 - Needs integration with the TokenManager
- ▶ Running biomed applications at Cloud.IPHC.fr
 - ▶ Applications run after adding more software dependencies
 - perl

- ▶ NTR since the last meeting
- ▶ Concordia project
 - ▶ WebGUI for preparing docker and singularity Corsika containers is developed in the WebAppDIRAC framework
 - prerelease tests are OK, proper release is to be done
 - Luigi left CPPM, will take some time to settle the new working environment
- ▶ Scripts based API for submission of grid jobs with Corsika containers
 - ▶ Adapted for Km3NET and CTAO
- ▶ Porting the scripts to the Concordia WebGUI started

Declaration EAP

Laboratoire	Responsable	Chercheurs (Nb /ETP)	Ingénieur Chercheur	Ingénieurs Recherche	Ingénieurs& Techniciens
CPPM	A.Tsaregorodtsev		1/0.5	1/0.5	1/0.5
LPSC	J.Bregeon	1/0.2			
LUPM	A.Arrabito		1/0.2		1/0.1
CC/IN2P3	F.Hernandez			2/0.1	2/0.4
IPHC	J.Pansanel			2/0.2	
Total		1/0.2	2/0.7	5/0.8	4/1.0

EAP: 2.5 ETP des ITs, 10 engineers

NSIP: 2.2 ETP des ITs, 9 engineers

Please, check NSIP declarations to synchronize with EAP numbers
(or correct the EAP numbers)

- ▶ ISGC Conference
 - ▶ 21-25 March
 - ▶ Abstract submitted on using cloud resources in EGI and GridPP (including tokens)
- ▶ Others to be viewed (EGI, etc)

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