

DIRAC Project status

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DIRAC@IN2P3 meeting,
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- ▶ Status of releases
- ▶ Ongoing developments
- ▶ Collaborative work
- ▶ FG-DIRAC service
- ▶ Budget
- ▶ Consortium news
- ▶ DUW
- ▶ Conferences

- ▶ Current production branch v7r0
 - ▶ The last patch v7r0p11
- ▶ Keeping pace of patches each 1-2 weeks
 - ▶ Fixes, minor new features
 - ▶ v6r22p19 patch in the v6r22 branch
- ▶ The next major v7r1
 - ▶ Certification to start soon
- ▶ Main new features of v7r1
 - ▶ OAuth/OIDC/SSO based user authN/authZ
 - ▶ DIRACOS v1r6

- ▶ DIRAC Production System
 - ▶ CTA
- ▶ VMDIRAC
 - ▶ Running containerized applications (Docker, Singularity)
 - ▶ OpenNebula
 - ▶ Using Pilot3.0 pilots
- ▶ OAuth/OIDC AuthN/AuthZ
 - ▶ PR is prepared, certification is coming
- ▶ Exploring GO language as the basis for the future DIRAC framework
 - ▶ Direct interaction channel with the running application

▶ ESCAPE

- ▶ DIRAC in the OSSR (Open Software Service Repository)
- ▶ Pilot example
 - ▶ Running CORSIKA containers via DIRAC
 - ▶ Km3net.org registered in EGI
 - ▶ Luigi Fusco (CPPM, Km3NET) joined the project
 - Collaborating with the Corsika Web Portal developers

- ▶ Belle II Computing meeting in Lyon, 15th Jan
- ▶ Subjects relevant to DIRAC@IN2P3 project
 - ▶ IPHC possible contribution
 - ▶ Container solution for running Belle II applications
 - ▶ Others
 - ▶ DIRAC to Rucio interface
 - ▶ Belle II is interested
 - ▶ The work did not start yet

- ▶ Running smoothly
- ▶ Updated to v7r0 in october
 - ▶ Several fixes were needed in the weeks after
- ▶ Looking at setting up ELK stack
 - ▶ Elasticsearch/LogStash/Kibana

- ▶ The procedure for the Consortium extension started
 - ▶ The Agreement annex document text is finally agreed
 - ▶ Signed by CERN, IHEP, KEK
 - ▶ To be signed by CNRS

- ▶ Accession formalities are still pending
 - ▶ University of Montpellier
 - ▶ PNNL
 - ▶ Imperial College

- ▶ Next DUW at KEK/IPNS
 - ▶ 25-29 May 2020
 - ▶ Announced at CHEP
- ▶ Poster to be exposed



The 10th
DIRAC Users' Workshop

25th - 29th May 2020

KEK/IPNS
TSUKUBA

KEK 

 **DIRAC**
THE INTERWARE

[HTTPS://INDICO.CERN.CH/E/DUW10](https://indico.cern.ch/e/duw10)

Organizers: FEDERICO STAGNI (CERN)
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diracgrid.org DIRACGrid dirac-grid dirac.readthedocs.io

   

- ▶ ISGC 2020
 - ▶ Accepted presentation « EGI Workload Manager »

- ▶ Others to come
 - ▶ Grid 2020 – A.T. member of the Program Committee
 - ▶ ACAT 2020
 - ▶ DI4R 2020

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