

DIRAC Project status

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- ▶ Status of releases
- ▶ Ongoing developments
- ▶ Collaborative work
- ▶ EGI/FG-DIRAC service
- ▶ Conferences

- ▶ Two patch releases in the last month
 - ▶ v7r0p42
 - ▶ V7r1p22
- ▶ v7r2 release status
 - ▶ 3 certification hackathons are done
 - ▶ To be out in January 2021

- ▶ The first PR of RucioFileCatalog is submitted (Cedric Serfon, BNL)
 - ▶ In review
 - ▶ Based on Rucio Python binding
- ▶ Another RucioFileCatalog implementation (J.Martyniak, IC)
 - ▶ In review
 - ▶ Based on Rucio REST API
- ▶ Testing needed
 - ▶ Needed a working Rucio installation
 - ▶ E.g. ESCAPE Rucio service
 - ▶ Access is being negotiated

- ▶ OAuth/OIDC AuthN/AuthZ (Andrii)
 - ▶ Coded but needs a valid v7r2 release for final tests
- ▶ Jupyter notebooks (EGI)
 - ▶ Needs OAuth DIRAC services for getting proxies
 - ▶ See above
- ▶ VMDIRAC
 - ▶ Simon Fayer, IC, takes over the VMDIRAC package management
- ▶ Other developmenets to be reported
 - ▶ DIRAC/Go, Christophe
 - ▶ ES, Patrick, Luisa
 - ▶ Production System, Luisa, Johan
 - ▶ COMDIRAC, Pierre

- ▶ We have to figure out a detailed migration plan
 - ▶ Allocating resources
 - ccdiracli06, ccdiracli07
 - Storage
 - ▶ Database migration
 - Eiscat 3D File Catalog example to be migrated to the CC MariaDB server
 - The largest EGI DIRAC File Catalog (120M files)
 - ▶ Project page
 - https://forge.in2p3.fr/projects/dirac_egi-ace
- ▶ Problem with the server certificates
 - ▶ Needs proper Subject Alternative Name fields
 - Needed for v7r1 with M2Crypto enabled
 - ▶ Problem with EGI host certificates
 - Only egi.eu domain allowed for all the DNS names and aliases !

- ▶ Luigi Fusco, CPPM, is actively looking at it together with colleagues from Italy
 - ▶ No much progress
 - ▶ Needs still full integration to be done
 - ▶ EscapeDIRAC extension
 - Including WebApp application
 - ▶ Bookkeeping of the containers in the File Catalog
 - ▶ Separate components are demonstrated to work

- ▶ Running smoothly
 - ▶ Running v7r0
 - ▶ We should foresee v7r1 migration
 - ▶ Also the host certificates should be updated
 - To cope with the SAN problem
- ▶ Looking at setting up ELK stack (still)
 - ▶ Elasticsearch/LogStash/Kibana
 - ▶ Help is needed

- ▶ Contributions submitted
 - ▶ ISGC will be held in “on-line” format in March 2021
 - ▶ EGI Workload Manager contribution submitted

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