

DIRAC Project status

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

- ▶ 2 patch releases in the last 2 months
 - ▶ v7r2 patches are not accepted (or exceptionally)
 - ▶ v7r3p3 l
 - ▶ 8.0.2
 - ▶ Minor fixes
 - ▶ ES – create a new index for each IM jobs
 - ▶ Optimizers – minor improvements
 - ▶ Monitoring – remove some plotters, use Kibana dashboards instead
 - ▶ *dirac-production-complete* command
 - ▶ Bug fixes
 - ▶ Docs updates

- ▶ 8.1.0a2 is compiled
 - ▶ 2 hackthons rather smooth
- ▶ 8.1.0 features
 - ▶ Moving all the services to HTTPs
 - ▶ Remove Setup concept and related codes
 - ▶ Support for non-DIRAC clients: REST, HTTPs
 - ▶ Deprecate dirac-proxy-init -> dirac-login
 - ▶ Remove VMDIRAC -> CloudComputingElement

- ▶ OAuth/OIDC AuthN/AuthZ
 - ▶ Moved from using MitreID to Keycloak EGI AAI implementation
 - ▶ Some configuration is broken – to be understood
- ▶ ARC/HTCondorCE/Cloud with tokens
 - ▶ Making the full chain : SiteDirector-TokenManager
 - ▶ Implemented with the new IdProvider class: OidcAgentIdProvider
 - ▶ Tested with HTCondorCE and WLCG dev tokens
 - ▶ To be done
 - ▶ Tests with EGI Check-In tokens
 - ▶ Tests of ARC and Cloud submission

- ▶ Pilot logging
 - ▶ Make Pilot stamps (uids) available in the pilot env to allow logs association with pilot refs

- ▶ WebAppDIRAC
 - ▶ NTR

- ▶ COMDIRAC
 - ▶ Discussed with GridPP moving COMDIRAC to DIRAC
 - ▶ Draft PR is done
 - ▶ Issues: preserve COMDIRAC sessions concept
 - ▶ Caching configuration and states
 - ▶ Quicker response

▶ Running more or less smoothly

▶ Since Jan 2022

- ☐ ~ 13M jobs
- ☐ Up to 20k concurrent jobs
 - ☐ ~5000 on average last week

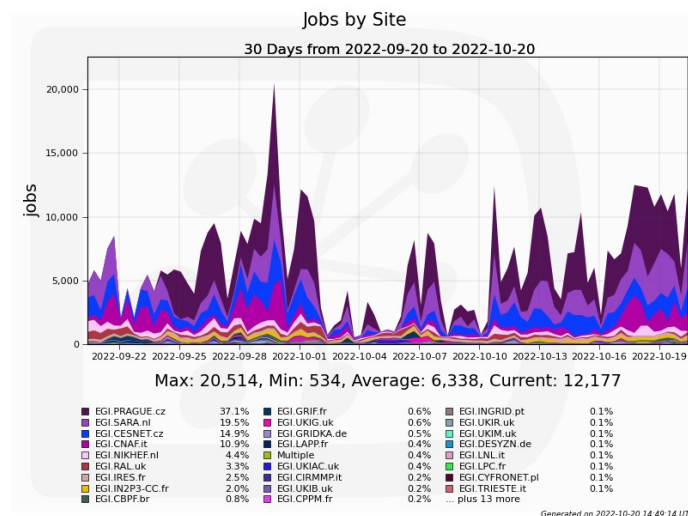
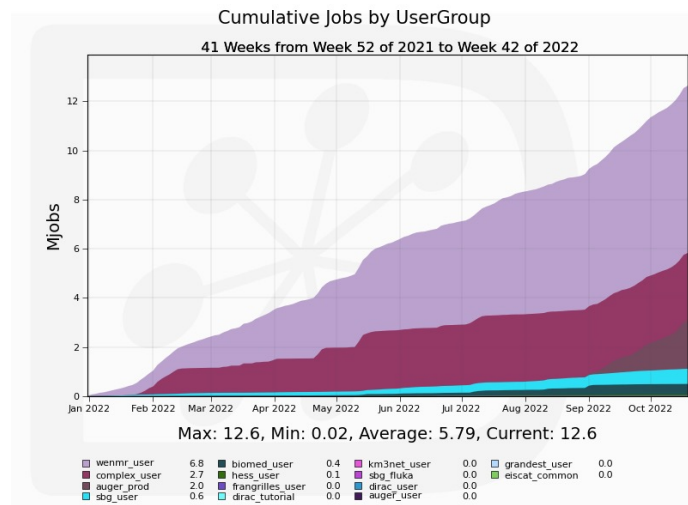
▶ Large Auger production

▶ Servers installation

▶ Smooth server running

▶ ccdirc06 at 8.0.0

- ☐ TokenManager
- ☐ AuthServer



- ▶ Discussing with complex VO using cloud resources
 - ▶ Starting with LAL cloud
- ▶ Have to set up CloudComputingElements
 - ▶ First, with proxies or login/passwords
 - ▶ Second, with EGI tokens
- ▶ Pending tickets
 - ▶ RMS requests with large files and large numbers of files

- ▶ VMDIRAC
 - ▶ NTR
 - ▶ to be dropped after CloudComputingElements are configured
- ▶ Jupyter
 - ▶ NTR
 - ▶ Pending dirac-login fix after moving to KeyCloak
- ▶ Discussion with Galaxy app portal about using DIRAC as a backend meta-scheduler
 - ▶ Custom CEs (HPCs) accessible by SSH
 - ▶ EGI resources

- ▶ New way of funding the EOSC activities
 - ▶ Successor to EGI-ACE
 - ▶ Tender document:
<https://ted.europa.eu/udl?uri=TED:NOTICE:234660-2022:TEXT:EN:HTML&src=0>
- ▶ DIRAC is invited to take part in Lot4:
 - ▶ Managed Interactive Data Analytics Platform and Visualization Services for the EOSC Exchange
- ▶ Proposals to be finalized by the end of Sep
 - ▶ Some delays announced

- ▶ Concordia project
 - ▶ Migration to Python3 of the EscapeDIRAC extension
- ▶ ESAP
 - ▶ NTR
- ▶ Recognizing DIRAC as the base workload manager for ESCAPE (Johan)

- ▶ EAP 21 Oct 14pm
 - ▶ For those interested to participate, the zoom link will be sent

- ▶ EGI Conference

- ▶ 19-23 September, Prague

- ▶ <https://indico.egi.eu/event/5882/>

- ▶ DIRAC session

- ▶ Went rather smoothly, 7 registered, ~30 attendees

- ▶ Quite a lively discussion

- ▶ Others ?

- ▶ CHEP

- ▶ ISGC

- ▶ K9S 28 Nov – 2 Dec

- ▶ Consortium Agreement Amendment can now go
 - ▶ Got finally all the confirmations or no-objections for the last version of the Amendment document
 - ▶ We can go to signing now

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