DIRAC Project status

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DIRAC
THE INTERWARE

- ▸ Status of releases
- ▸ Ongoing developments
- ▸ Collaborative work
- ▸ FG-DIRAC service
- ▸ Budget
- ▸ Consortium news
- ▸ DUW
- ▸ Conferences

- Current production branch v7r1
  - The last patch v7r1p6
  - DIRACOS v1r12
- v6r22 and v7r0 are mostly installed
  - Weekly patches to fix encountered problems
- The next major v7r2
  - v7r2-pre11 prerelease
    - No certification run yet
- Main new features of v7r2
  - OAuth2/OIDC support incorporated
  - Tornado/http client/service protocol as technology preview
  - Multiple Python2/3 compatibility fixes

- DIRAC Production System
  - CTA

- VMDIRAC
  - Using Pilot3
    - Get the Pilot3 codes from the CVMFS installation

- 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

- The code reposiroty at Gitlab@IN2P3 is set up
- A development host is deployed
  - Linked to the DIRAC4EGI installation
- Luigi Fusco, CPPM, is actively looking at it together with colleagues from Italy
  - Starting with the Web development for the portal GUI

- CTA involvement ?

- Running smoothly
  - Running v7r0
  - We should foresee v7r1 migration

- Looking at setting up ELK stack
  - Elasticsearch/LogStash/Kibana
  - Help would be quite welcome

- Setting up multi-core queues
  - LAL, others

- ▶ Looking at the continuation of the EOSC-Hub project
  - ▶ EC INFRAEOSC call is in progress
    - ▶ 07 – providing services, user support
    - ▶ 03 – new developments

  - ▶ CNRS is preparing a combined proposal
    - ▶ Includes DIRAC service part
      - ☐ Service maintenance, user community support
      - ☐ Developments (AAI, resources, etc)
    - ▶ Proposal to merge France-Grilles and EGI service
      - ☐ Ease of maintenance
      - ☐ More active involvement of CC

  - ▶ Preliminary allocation of 44 PMs to CNRS
    - ▶ CPPM, CC

- ▶ The DIRAC@IN2P3 budget for 2020
  - ▶ Difficult to consume the budget due to limited number of missions
  - ▶ 10k euros maintained (out of 15k initially allocated)
    - ▶ DIRAC workshop at the EGI Conference

- ▶ DIALOG 2021 started
  - ▶ Demand for the 2021 budget
  - ▶ Asking for the 15k allocation, same as in 2021 as the work profile will be similar to the one expected in 2020

- The Amendment 1 to the Consortium Agreement is signed by all the official members
  - CNRS, CERN, IHEP, KEK
  - Extension of the Consortium Agreement up to February 2022

- This is the necessary prerequisite to sign the Consotium adherence letters
  - PNNL
  - Imperial College
  - University of Montpellier

‣ EGI Conference 2-4th November

  ‣ Offer to co-locate DIRAC workshop

    ‣ 1-2 days

    ‣ We have to define a preliminary format

  ‣ Help will be needed to realize it

    ‣ Status reports

    ‣ Demos

    ‣ Hands-on session (?)

  ‣ The program will depend on the availability of experts to participate

    ‣ Call for participation to DIRAC@IN2P3

- Urgency for complex workflows paper
  - Volker's journal

- Draft paper URL
  - https://gitlab.in2p3.fr/DiracIN2P3/TSPaper2017

- Effort needed to accomplish it