DIRAC Project status

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DIRAC
THE INTERWARE

- Status of releases
- Ongoing developments
- EGI/FG-DIRAC service
  - EGI->FG migration report
- Conferences

▸ ## Seven patch releases in the last month

  ▸ v7r0p56

  ▸ v7r1p39

  ▸ v7r2p6

▸ ## v7r3-pre7

  ▸ Python3 both client and server

  ▸ OAuth2/OIDC AAI, user management

- OAuth/OIDC AuthN/AuthZ (Andrii)
- COMDIRAC (Pierre)
- ProductionSystem (Luisa)

▶ Running more or less smoothly

▶ Still several problems to sort out

  ▸ Many configured sites are failing job submission

    ☐ ARC configuration problems

    ☐ Non-RFC proxies (should be fixed now)

  ▸ VOMS synchronization was not restarted

    ☐ Affecting complex_systems VO (others did not complain yet)

▸ The EGI accounting can not be simply merged with the FG accounting

  ▸ EGI accounting reports were generated by switching by hand the AccountingDB, not available with a standard interface

    ☐ Will investigate still if it can be made available using a specific Setup setting

▸ User payload proxy renewal mechanism is broken in the latest DIRAC release, to be still fixed

  ▸ Can affect long jobs (e.g. Auger VO)

    ☐ Fixed by allowing long VOMS extension by the auger VO admins

▸ VMDIRAC is enabled in the service

　▸ Cloud sites are to be reconfigured

　　☐ Projects/tenants are changing

　　☐ Using MarketPlace images requires image selection by metadata, to be implemented

　　☐ etc

　▸ Token based user authentication to cloud endpoints should be taken into account

　　☐ Using login/password in the meantime

▸ FG certificates are still to be confirmed to be usable with the latest DIRAC Security Framework (M2Crypto based)

　▸ Affecting biomed VO

- Elasticsearch
  - Patrick asked for the prefixes and certificate
  - Still this should be accomplished

- Pilot3 is still to be switched to

- M2Crypto is disabled and must be enabled
  - Must be confirmed for pilots and FG CA proxies

▶ DutchGrid has installed an independent DIRAC service for local VO's

  ▸ Willing to gain experience with DIRAC

  ▸ Aiming at development of specific scheduling algorithms

▶ Hello world jobs have passed

  ▸ At NIKHEF and SARA

▶ Work in progress

  ▸ Setting up multile (local) VO's

  ▸ Sorting out multiple configuration issues

- WP3 Concordia development setup is operational
  - Work in progress

- Interest in other Work Packages
  - CTAO
  - Indigo IAM integration
  - ESAP platform

- Topics of interest
  - REST and HTTP/RPC service interfaces
  - Rucio File Catalog integration

- Requires user authentication
  - DIRAC CA certificates as no other CA's available

‣ ## 10-11th May

  ‣ https://indico.cern.ch/event/852597

  ‣ Please, do not forget to register as participants !

‣ ## DIRAC User's contributions

  ‣ EGI-FG DIRAC service (Gino)

  ‣ CTA case (Luisa)

- ▸ ISGC paper in preparation
    - ▸ EGI Workload Manager
    - ▸ The deadline is tough (next week)

- ▸ Other contributions
    - ▸ vCHEP
        - ▸ CTA
    - ▸ ACAT
    - ▸ Grid'2021, JINR
        - ▸ Contribution to be submitted shortly

- Urgency for complex workflows paper
  - Volker's journal

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

- Effort needed to accomplish it