DIRAC Project status

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DIRAC@IN2P3 meeting,
31 August 2021

DIRAC
THE INTERWARE

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

- **11 patch releases in the last month**
  - v7r1p45
  - v7r2p23
  - Multiple Python3 fixes
  - More tests
  - Singularity container fixes, use host DIRAC installation
  - ComponentSupervisionAgent
  - SSHBatchCE fixes (pilot logs, bugs)

- ## v7r3-pre23
  - Python3 both client and server
  - Service migrated to HTTPS
  - OAuth2/OIDC AAI, user management
  - Status
    - Certification without AAI is close to finalization
    - First certification with AAI was performed, no (major) conflicts with the current functionality detected
    - Next certification hackaton will test the basic AAI functionality
      - ☐ Tokens generation
      - ☐ Interaction with DIRAC services

- ▸ **OAuth/OIDC AuthN/AuthZ (Andrii)**
  - ▸ Certification is prepared on the lbcertifdirac70.cern.ch/ host at CERN:
    - ▸ Python3 DIRAC installation
    - ▸ Complemented by the new PR on top of it

- Running more or less smoothly
  - Q1+Q2+Q3
    - □ >7.5M jobs

- Servers installation
  - v7r2p23
  - Pilot3
  - Except ccdiracli01 (still at v7r1)
    - □ Problem with robot proxy upload

▸ Elasticsearch

 ▸ With v7r2 everywhere, gradually passing to Components Monitoring with the ES backend

  ☐ FileCatalog

  ☐ WMSHistory already working

  ☐ Next will be central logging and job parameters

 ▸ Kibana dashboard is to be confirmed to be working

  ☐ Views in the Web Portal to be created

▸ M2Crypto is enabled

 ▸ No problems detected

 ▸ Biomed robot proxy (?)

▸ VMDIRAC is enabled in the service

    ▸ Cloud sites configuration is to be revisited

        ☐ Projects/tenants are changing

        ☐ Access credentials

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

        ☐ etc

        ☐ Help needed

▶ **Other contributions**

  ▶ ACAT 2021 (Korea)

   ▶ Abstract submission deadline moved to 12th Sep

   ▶ DIRAC @ JINR talk will be submitted

  ▶ EGI Conference 19-21 October

   ▶ DIRAC session proposal (90 mins)

     ☐ Status

     ☐ WeNMR + biomed use cases

     ☐ Demo, new use cases discussion

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- Urgency for complex workflows paper
  - Volker's journal

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

- Effort needed to accomplish it