DIRAC Project status

A.Tsaregorodtsev,
CPPM-IN2P3-CNRS, Marseille,
DIRAC@IN2P3 meeting,
22 May 2023

DIRAC
THE INTERWARE

Outline

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

Releases

- Little dev activities in the past period
  - May days-off
  - CHEP
- 2 patch releases since last meeting
  - V7r3p36 – no changes
  - 8.0.20
  - Minor fixes
    - Fixes for AREX CE
    - Fixes in Remote Runner (HPC access)

DIRAC
THE INTERWARE

Releases

- No change for 8.1.0
  - 8.1.0a12 is compiled
    - 6 hackthons already passed

Ongoing developments

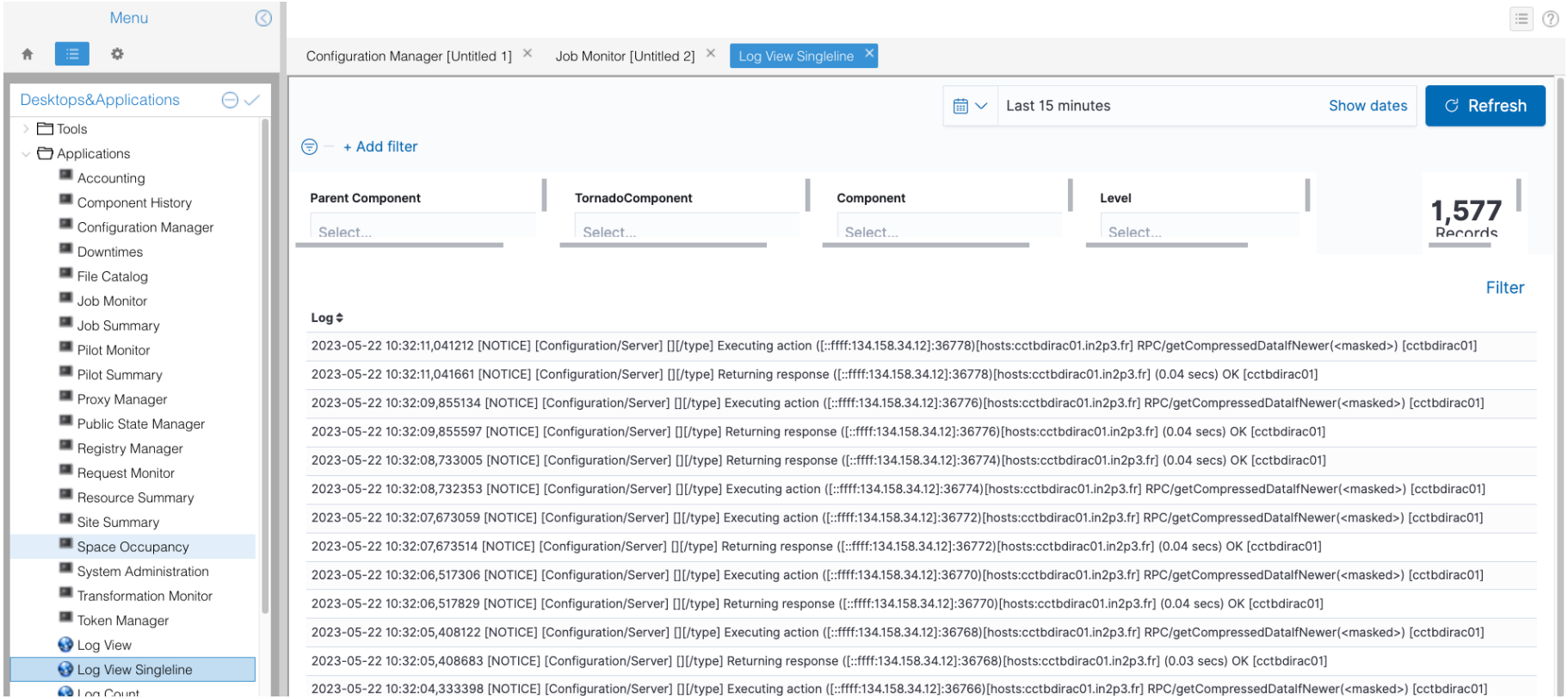
- OAuth/OIDC AuthN/AuthZ
  - Regular meeting with the Check-In developers
    - Galaxy getting started (tokens+cetificate)
  - Check-In VO tokens look to be OK
    - Eduperson_entitlement <-> DIRAC group mapping
    - CLI getting token
    - Using tokens for accessing DIRAC HTTPS service
- Submitting jobs with Check-In tokens still fails
  - No clear clue what's wrong
  - Tokens seem to be compiant
    - Audience claim, compute scopes
  - Input from HTCondorCE experts is needed

Ongoing developments

- WMS with tokens
  - All the WMS services are at HTTPS at the CC dev testbed
    - cctbdirac01,02
  - SandboxStore service added recently
    - Not yet in a PR
  - All user WMS operations with tokens are demonstrated
    - Job/sandbox submission
    - Job monitoring, getting results as sandboxes
  - To be done
    - Getting user token in the pilots
  - EGI Conference training session preparation to be run with tokens

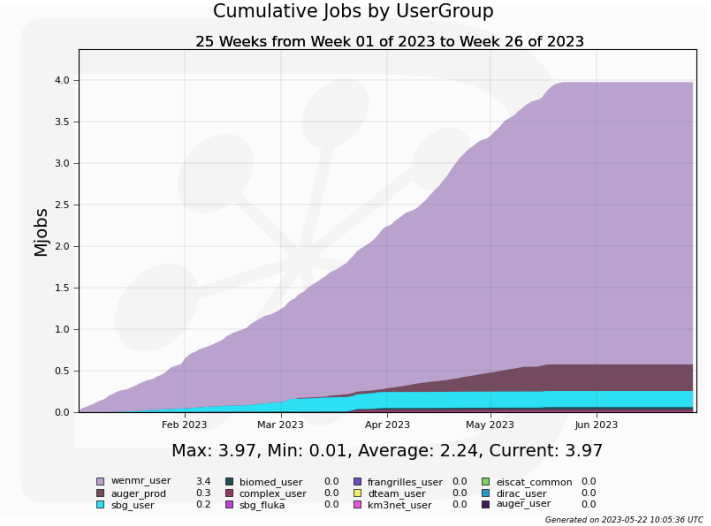
Ongoing developments

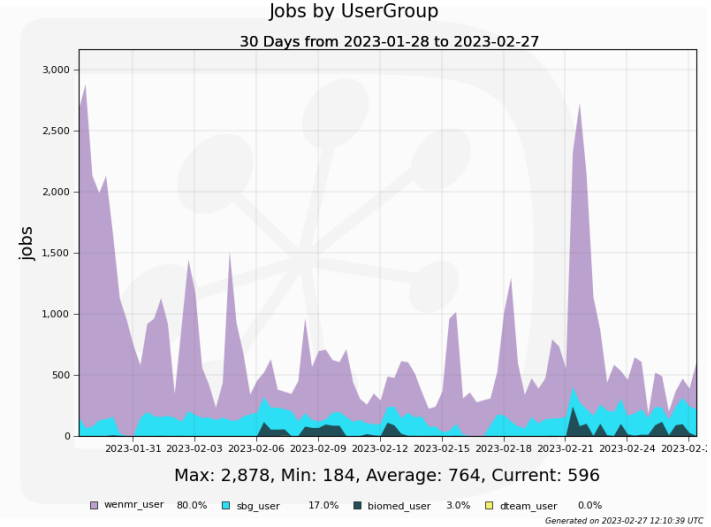
- FluentD/bit logging advancing (Bertrand)
  - Kibana dashboards
  - Local log files per service (!)



EGI/FG services

- Running more or less smoothly
  - Since beginning 2022
    - 4M jobs
    - Up to 3k concurrent jobs
      - ~800 on average last month
- Servers installation
  - Smooth server running
  - Servers are all at 8.0
    - Plus some hacks for tokens support





European/national projects

- Infra TECH-01-01 call (~5M) **GreenDIGIT** – technologies and practices for sustained RI computing environments
  - Rumours that is likely to be accepted
- PEPR STEEL
  - No more news after submission (?)

Other projects

- ESCAPE
  - NTR
- Galaxy
  - Discussions with Galaxy developers restarted
  - Set up pilot users
    - Using biomed resources
    - Still fighting with X.509 certificates
    - Tokens look OK

DIRAC Workshops

- DIRAC Community workshop at the EGI Conference 2023 (suggested by EGI)
  - 18-23 June 2023
  - Short DIRAC status presentation
  - 90 mins training session
    - Full token WMS demo ?
  - 25 mins Demo session(s)
  - GDB report

DIRAC Workshops

- ISGC'23 : paper submitted
  - DIRAC: OIDC/OAuth2 based security framework
- CHEP
  - Production system (Alice)
  - Paper status
- Joint DIRAC + Rucio Workshop
  - 16-20 October 2023
  - KEK

DIRAC
THE INTERWARE

Consortium

- Consortium Agreement Amendment can now go
  - The UM participation to the Consortium is stopped
  - Signing procedure started
    - Stalled at the CNRS/IN2P3 signature stage