

# DIRAC Project status

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DIRAC@IN2P3 meeting,  
22 May 2023*



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

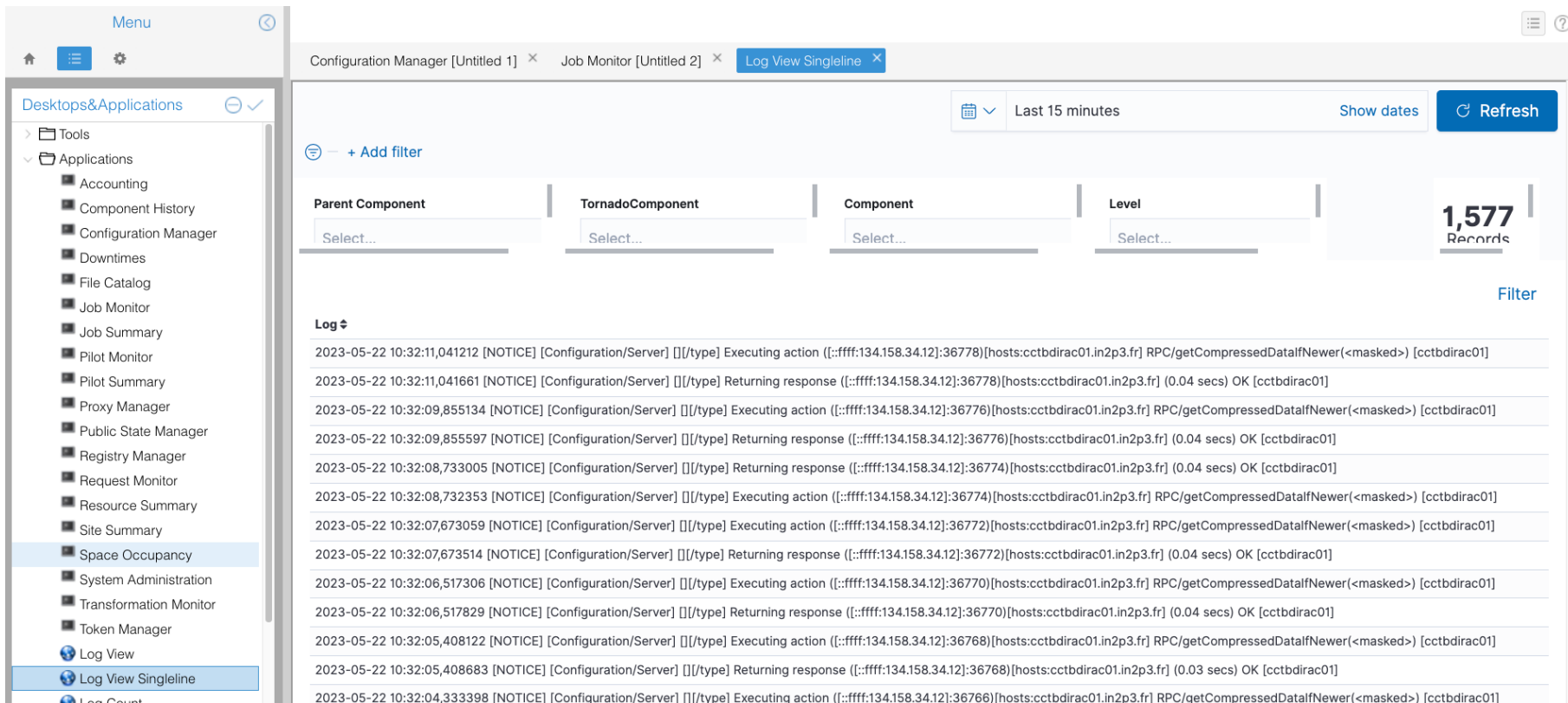
- ▶ Little dev activities in the past period
  - ▶ May days-off
  - ▶ CHEP
- ▶ 2 patch releases since last meeting
  - ▶ V7r3p36 – no changes
  - ▶ 8.0.20
  - ▶ Minor fixes
    - ▶ Fixes for AREX CE
    - ▶ Fixes in Remote Runner (HPC access)

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

- ▶ OAuth/OIDC AuthN/AuthZ
  - ▶ Regular meeting with the Check-In developers
    - ▶ Galaxy getting started (tokens+certificate)
  - ▶ 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 compliant
    - ▶ Audience claim, compute scopes
  - ▶ Input from HTCondorCE experts is needed

- ▶ 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

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



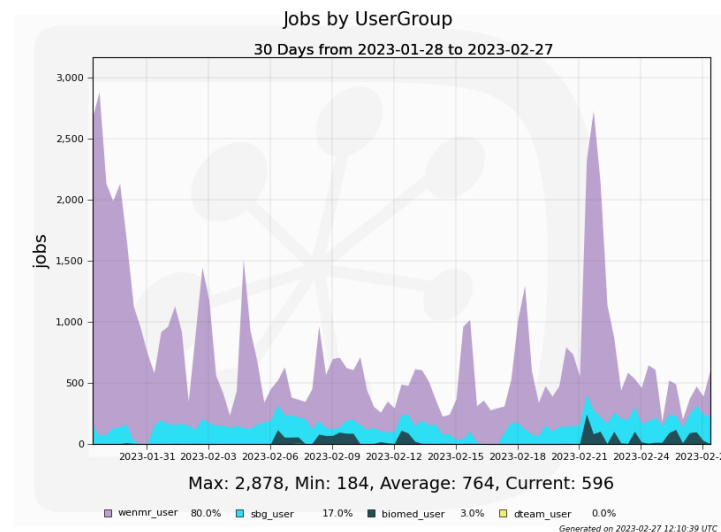
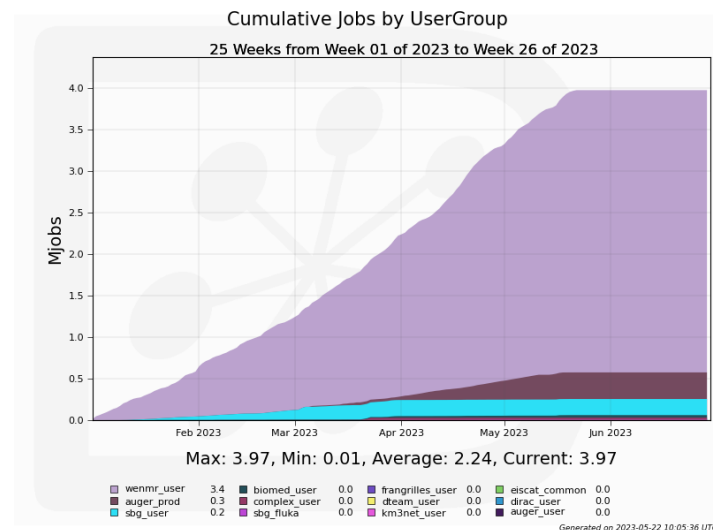
The screenshot displays the Kibana Log View Singleline dashboard. The left sidebar shows a menu with various tools and applications, including 'Log View Singleline' which is currently selected. The main panel shows a log view for the 'Configuration/Server' component, filtered by 'Last 15 minutes'. The log entries are displayed in a table format with columns for Parent Component, TornadoComponent, Component, and Level. The log entries show various actions and responses, including 'Executing action' and 'Returning response', with timestamps and status codes.

Parent Component	TornadoComponent	Component	Level
Select...	Select...	Select...	Select...

Log entries (1,577 Records):

- 2023-05-22 10:32:11,041212 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36778)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:11,041661 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36778)[hosts:cctbdirac01.in2p3.fr] (0.04 secs) OK [cctbdirac01]
- 2023-05-22 10:32:09,855134 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36776)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:09,855597 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36776)[hosts:cctbdirac01.in2p3.fr] (0.04 secs) OK [cctbdirac01]
- 2023-05-22 10:32:08,733005 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36774)[hosts:cctbdirac01.in2p3.fr] (0.04 secs) OK [cctbdirac01]
- 2023-05-22 10:32:08,732353 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36774)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:07,673059 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36772)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:07,673514 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36772)[hosts:cctbdirac01.in2p3.fr] (0.04 secs) OK [cctbdirac01]
- 2023-05-22 10:32:06,517306 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36770)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:06,517829 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36770)[hosts:cctbdirac01.in2p3.fr] (0.04 secs) OK [cctbdirac01]
- 2023-05-22 10:32:05,408122 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36768)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]
- 2023-05-22 10:32:05,408683 [NOTICE] [Configuration/Server] [][/type] Returning response ([::ffff:134.158.34.12]:36768)[hosts:cctbdirac01.in2p3.fr] (0.03 secs) OK [cctbdirac01]
- 2023-05-22 10:32:04,333398 [NOTICE] [Configuration/Server] [][/type] Executing action ([::ffff:134.158.34.12]:36766)[hosts:cctbdirac01.in2p3.fr] RPC/getCompressedDataIfNewer(<masked>) [cctbdirac01]

- ▶ 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





- ▶ 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 (?)

- ▶ 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 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

- ▶ 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

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