# **DIRAC Project status**

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- Status of releases
- Ongoing developments
- Collaborative work
- EGI/FG-DIRAC service
- Conferences, papers





- Four patch releases in the last month
  - ▶ v7r0p46
  - V7rlp26
- v7r2 release status
  - 5 certification hackathons are done
    - The last one is almost conclusive
  - To be out in January/February 2021
  - Features
    - Python 3 compatibility on the client side
    - HTTP based service/client protocol
      - □ Technology preview
    - Installing DIRAC client with *pip* tool



# Ongoing developments to be reported

- OAuth/OIDC AuthN/AuthZ (Andrii)
  - Coded but needs a valid v7r2 release for final tests
- Jupyter notebooks (EGI)
  - Needs Oauth DIRAC services for getting proxies
  - Needs more attention
    - CC/IN2P3 Contribution ?
- DIRAC/Go, Christophe
- ES, Patrick, Luisa
- Production System, Luisa, Johan
- COMDIRAC, Pierre
  - Setup tools, pip, conda
- Other developments
  - IPHC ?



# EGI-ACE: DIRAC service migration

- Allocated resources
  - Servers ccdiracli07-11
    - $\Box$  With proper certificates
  - Storage is still to be added
- Services migration in two stages (possibly overlapping)
  - First, transfer services as they are to create a new instance at CC/IN2P3
    - □ Stop hosting at CYFRONET
    - □ Ongoing
  - Second, optimize both EGI and FG services to reduce administration effort
    - □ Shared configuration
    - $\hfill\square$  Shared services
- Database migration
  - Several cases
    - □ Restart databases from scratch (e.g. Job\_XXX\_DBs)
    - □ Migrate databases (e.g. Accounting, FileCatalogs) via backup dumps
    - □ Repopulate new databases (e.g. EiscatFileCatalog)



# **FG-DIRAC** service

### Running smoothly

- Running v7r0
- We should foresee v7r1 migration
  - Can be done at the same time as EGI migration starts
- Looking at setting up ELK stack (still)
  - Elasticsearch/LogStash/Kibana
  - Help is needed

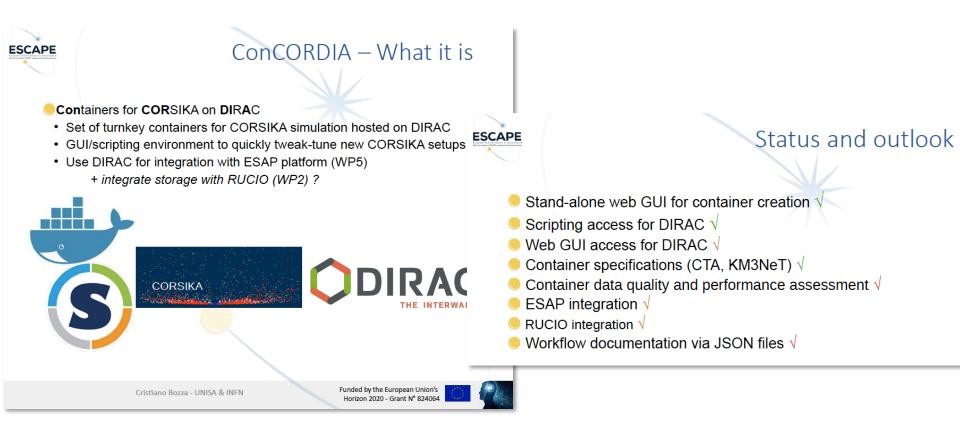
## REST Interface is getting obsoleted

Runs on SL6 only, whiile it is being phazed out





#### ConCordia project





# Conferences

#### Contributions to submit

- ISGC will be held in "on-line" format in March 2021
  - EGI Workload Manager contribution submitted

### DIRAC User Workshop

- Possibilities considered
  - Online format in May 2021
  - Face-to-face workshop in autumn 2021
    - □ If no more travelling restrictions





- Urgency for complex workflows paper
  - Volker's journal
- Draft paper URL
  - https://gitlab.in2p3.fr/DiraclN2P3/TSPaper2017
- Effort needed to accomplish it