DIRAC@CNAF

THE INTERWARE

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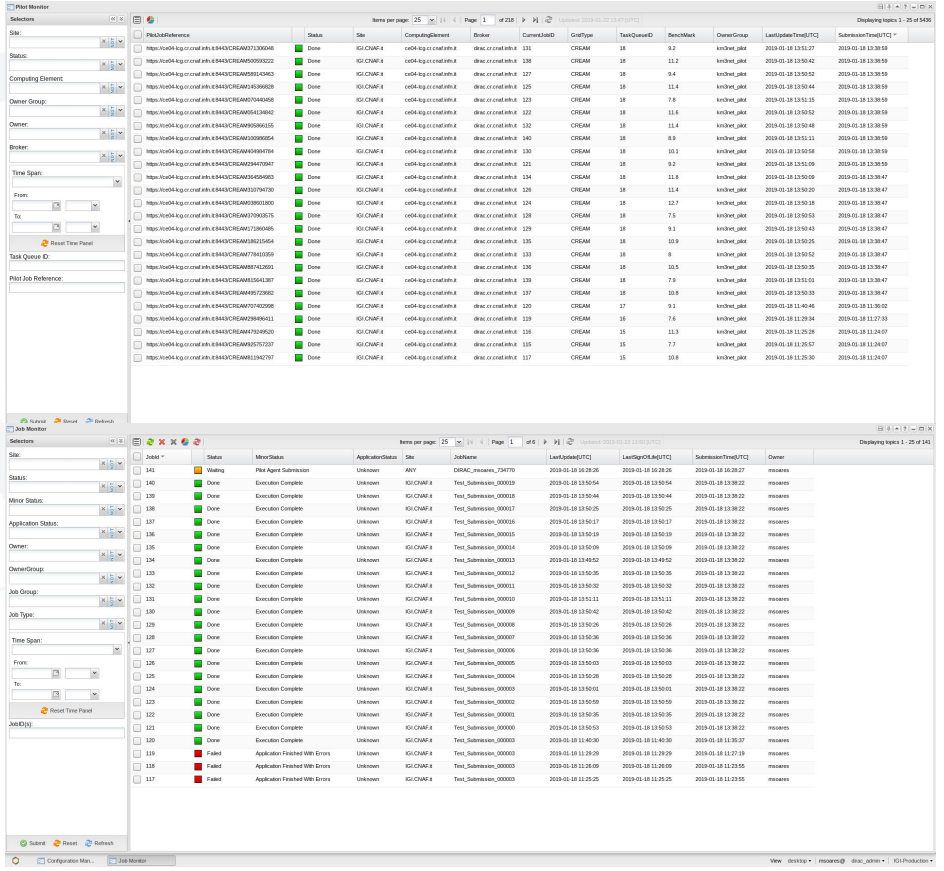
What do we have now?

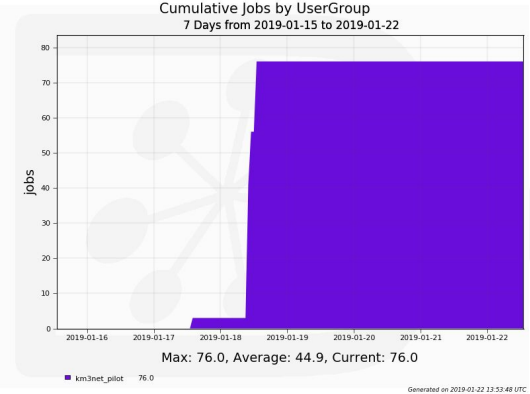
- We have now 2 separate DIRAC instances at CNAF
  - dirac.cr.cnaf.it is our own DIRAC server with all the Services, Agents, Executors and Databases installed
  - dirac-catalog-virgo.cr.cnaf.infn.it is a DIRAC server hosting only the Dirac File Catalog for Virgo experiment. It is a Slave server to dirac.egi.eu (EGI DIRAC instance)
- Virgo DFC is now being used by Virgo for testing of the system along with EGI DIRAC
- Our instance is now at testing for production.
  - Already ran KM3 “hello world” jobs. Simulation jobs on the go
  - Setting Icarus VO to start testing job submission

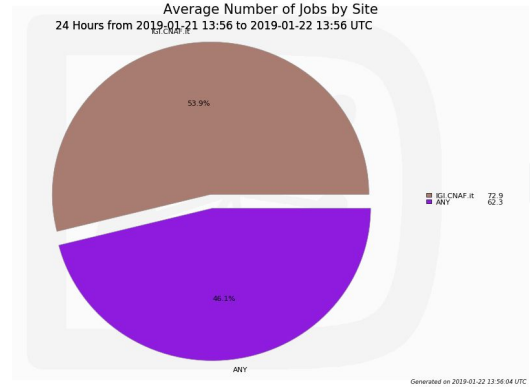
How is our instance?

- Our DIRAC instance is ready to submit jobs.
- At this moment we have setup KM3 and are successfully submitting pilots to CNAF
- I have successfully ran some test jobs using KM3 queue and my certificate/proxy.
- I am setting up Icarus VO to start setting job submission parameters
- All user support team is set to have access to our web portal



What's next? [WIP]

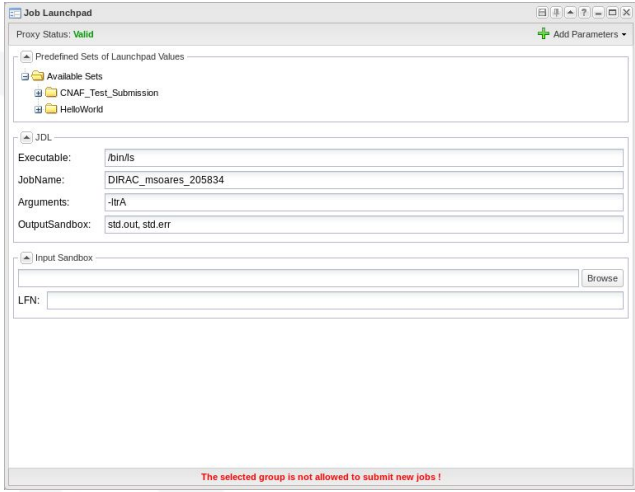


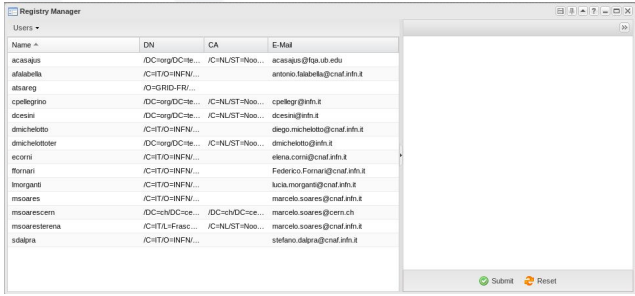


- For some reason I am capable of accessing the Dirac File Catalog, but still cannot add entrances to it.
- Accounting functions are working, but monitoring not.
- A second site could be useful for testing purposes (Pisa?)
- This week I'll start together with Carmelo to test real simulation use cases for KM3 and Icarus
- Also on Data Management functions and File Catalog Population to be tested
- Open access to the web portal and services to outside CNAF
- Define the infrastructure for DIRAC servers and the Dirac File Catalog(s)

DIRAC Infrastructure

- DIRAC has multiple services, agents, executors and databases. We need to define and set up a structure for redundancy and load management
- DIRAC client for user
- All users must be manually set in the Configuration Service (with the DN and CA)
- It is absolutely necessary that the VO have a VOMS server and users have Certificate
- Once the system is ready for production, we need to puppetizing it
- In the future, we'll need proper administration, maintenance and DBA for the catalogs (once VOs are really using it)
- Workshops for the users





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Question, Suggestions...