

**DIRAC@CNAF**

**THE INTERWARE**

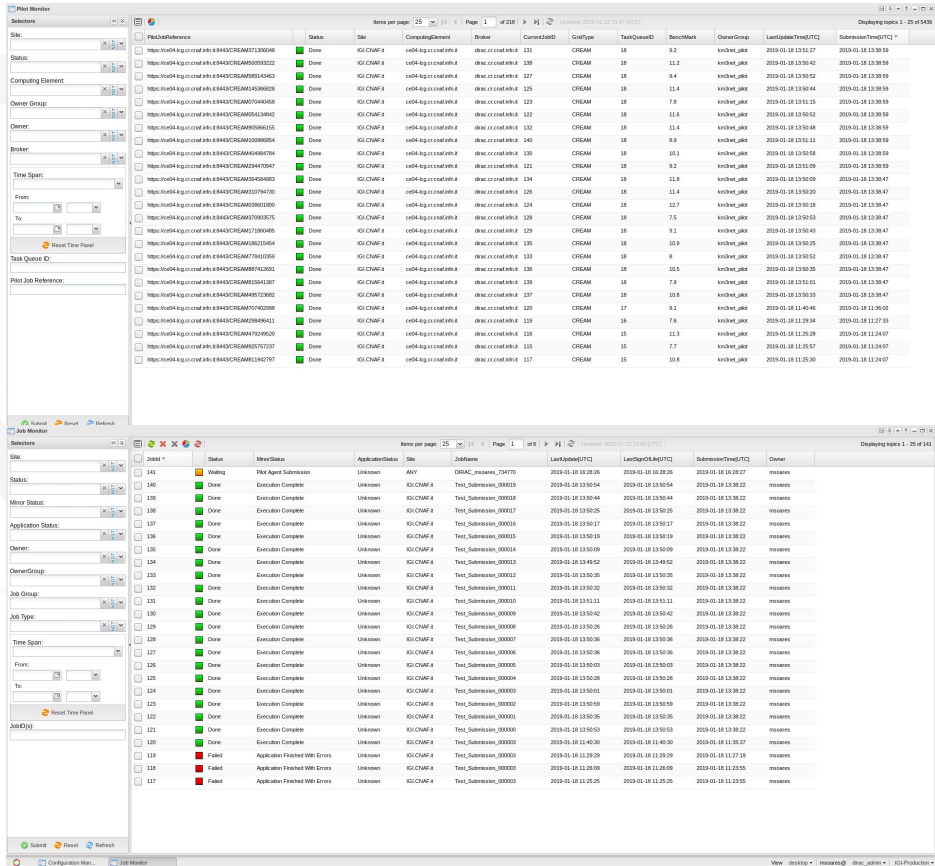
Marcelo Soares

# What do we have now?

- We have now 2 separate DIRAC instances at CNAF
  - [dirac.cr.cnaf.it](http://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](http://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](http://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

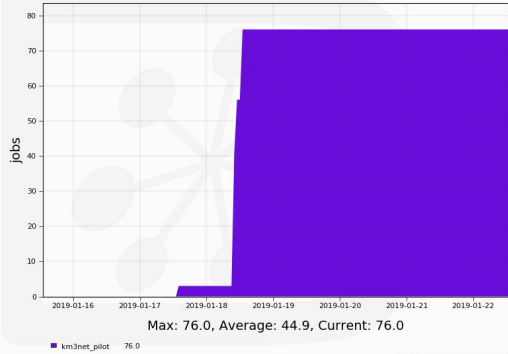


The screenshot displays the DIRAC Job Monitor interface, which is used for managing and monitoring job submissions. The interface is divided into several sections:

- Job Reference:** A table listing individual jobs with columns for JobID, Status, and Minor Status. The status column shows various states like 'Waiting', 'Done', 'Execution Complete', and 'Application Failed With Errors'.
- Job Monitor:** A larger table providing a detailed view of job submissions. It includes columns for JobID, Status, Minor Status, Application Status, JobName, LastSubmit[UTC], LastExec[UTC], SubmissionTime[UTC], and Owner. The jobs listed are primarily for the 'Test\_Submission\_00000' series.
- Filters and Controls:** On the left side, there are various filters and controls such as 'Job Reference', 'Status', 'Minor Status', 'Application Status', 'Owner', 'Owner Group', 'Job Type', and 'Time Span'. There are also buttons for 'Submit', 'Clear', and 'Refresh'.
- Navigation and Information:** At the top, there are navigation elements like 'Items per page', 'Page', and 'of 201'. At the bottom, there are system status indicators like 'View details', 'refresh', 'dirac.jobs', and 'IGI Production'.

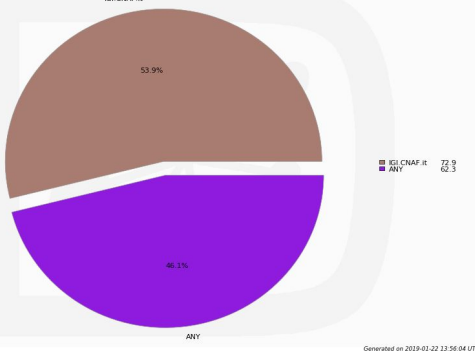
# What's next? [WIP]

Cumulative Jobs by UserGroup  
7 Days from 2019-01-15 to 2019-01-22

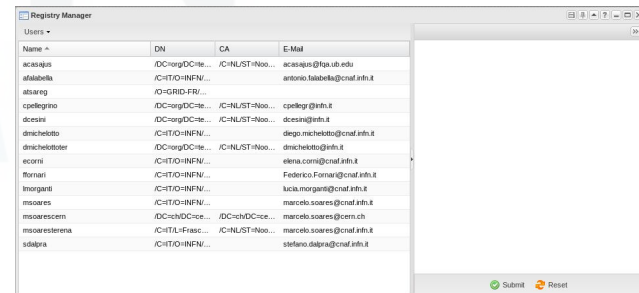
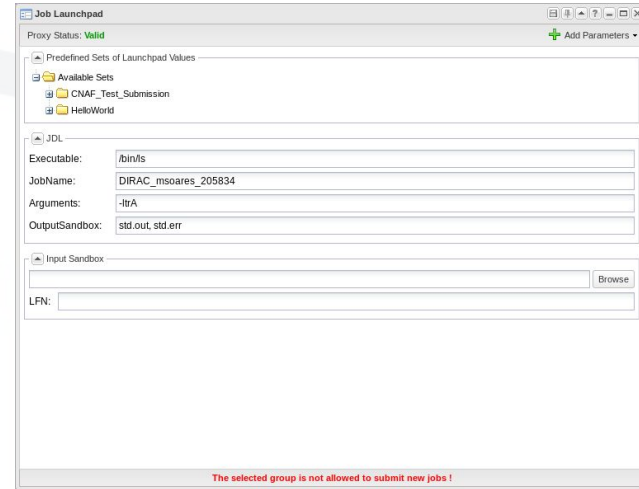


- For some reason I am capable of accessing the Dirac File Catalog, but still cannot add entrances to it.
- Accounting functions are working, but monitoring not.
- A second site could be useful for testing purposes (Pisa?)
- This week I'll start together with Carmelo to test real simulation use cases 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)

Average Number of Jobs by Site  
24 Hours from 2019-01-21 13:56 to 2019-01-22 13:56 UTC



- 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



Name	DN	CA	E-Mail
acaci@ijn	/DC=org/DC=ite...	/C=NLUST-Noo...	acaci@ijn@ija.uib.edu
afab@ibella	/C=ITIO-INFN...		antonio.fabab@cnaf.infn.it
ats@ang	/O=GRID-FRY...		
cpellegrino	/DC=org/DC=ite...	/C=NLUST-Noo...	cpellegr@infn.it
dcesara	/DC=org/DC=ite...	/C=NLUST-Noo...	dcesara@infn.it
dmichelato	/C=ITIO-INFN...		diego.michelato@cnaf.infn.it
dmichelato2	/DC=org/DC=ite...	/C=NLUST-Noo...	dmichelato@infn.it
elc@in	/C=ITIO-INFN...		elena.cora@cnaf.infn.it
ferasas	/C=ITIO-INFN...		Federico.Ferasas@cnaf.infn.it
Inorganti	/C=ITIO-INFN...		luca.inorganti@cnaf.infn.it
msoares	/C=ITIO-INFN...		marcelo.soares@cnaf.infn.it
msoarescm	/DC=rich/DC=ice...	/DC=rich/DC=ice...	marcelo.soares@cern.ch
msoaresstena	/C=ITIL-Frasc...	/C=NLUST-Noo...	marcelo.soares@cnaf.infn.it
sd@bra	/C=ITIO-INFN...		stefano.sd@bra@cnaf.infn.it

# Question, Suggestions...

