

Torino Cloud users microWorkshop

Short report from Fermi users

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Our needs:

- Analyze Fermi-LAT data using specific analysis tools (e.g. Fermi Science Tools)
- Event selection/classification BDT (root/python)
- Replicate the DQM code for testing purposes
-

Until now we used a dedicated workstation (fermi.to.infn.it)

How we are using the virtual farm:

So far we only made some preliminary test

- Permanent disks mounted on the master and exported to workers (home 100GB, data 1.4TB)
- The analysis software is installed on the permanent disk
- On the workers side all the libraries needed by analysis software are installed (via apt-get) in the contextualization script (this may be not so efficient!!)
- Job submission using HTC-Condor works! (almost always...)

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We plan to star using virtual farm for "real" applications in the next weeks.

Some questions:

- Is it possible to mount disks of an external machine?
- Is it possible to change the "contextualization" script for the workers (for instanced add a library) without creating a new virtual farm from the web interface?
- Dynamically change the maximum allocated resources?
- Is it worth to use the master vm also as a workstation? (i.e. develop code, make short tests, create plots etc.)