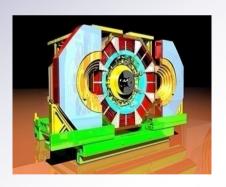
Update on Computing/Cloud

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BESIII

LNF, I taly

May 14, 2014

Compute Nodes

- 7 Dual Twin Olidata (4 hosts)
- Host: 2 x AMD 6320 MHz
 64 GB RAM
 175 HS06
- +1 DG1 fundings, in test

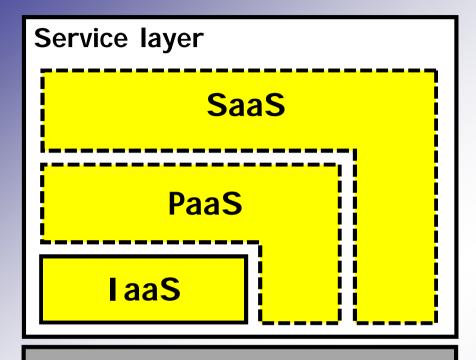
- 3 twins dedicated
 to BESIII
- 2KHS06 dedicated
 to BESIII
- + the partial use of
- 0.7KHS06 from DG1

Storage

400 TB gross
 DELL MD 3660f + expansion

20 TB net for BESIII

Service Model



Abstraction layer

Hardware & Infrastructure

- Software-as-a-Service
- Platform-as-a-Service
- Infrastructure-as-a-Service

Cloud Infrastructure

BOSS running

Not all random trigger data

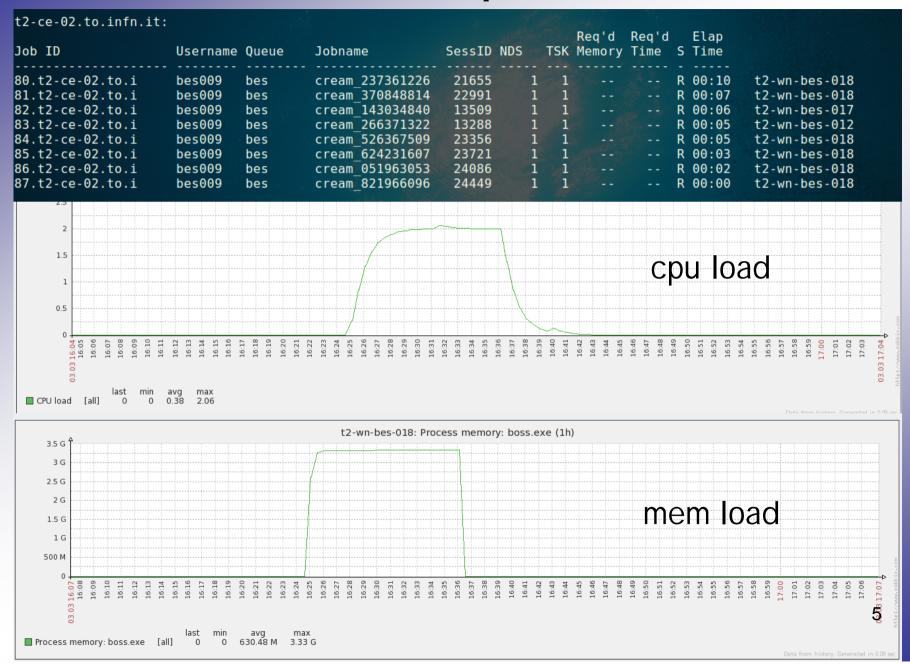
Reconstruction for phase data

Analysis if we have the dst

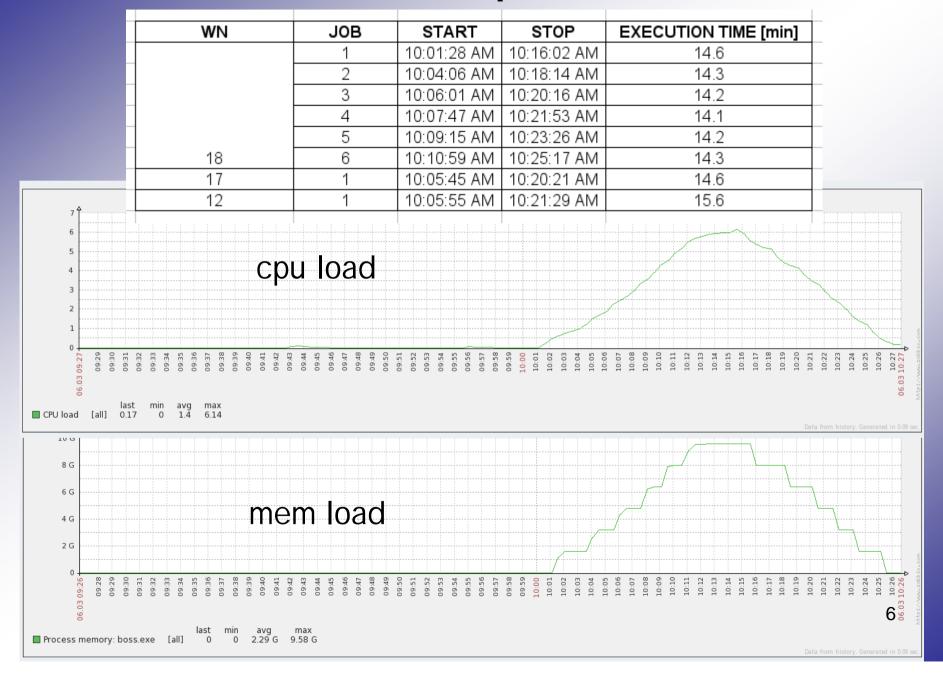
Now:

- 1) All the main services are installed
- 2) Direct submission to CE
- 3) CVMFS tested
- 4) Job submission in Dirac included
- 5) Submission from IHEP tested

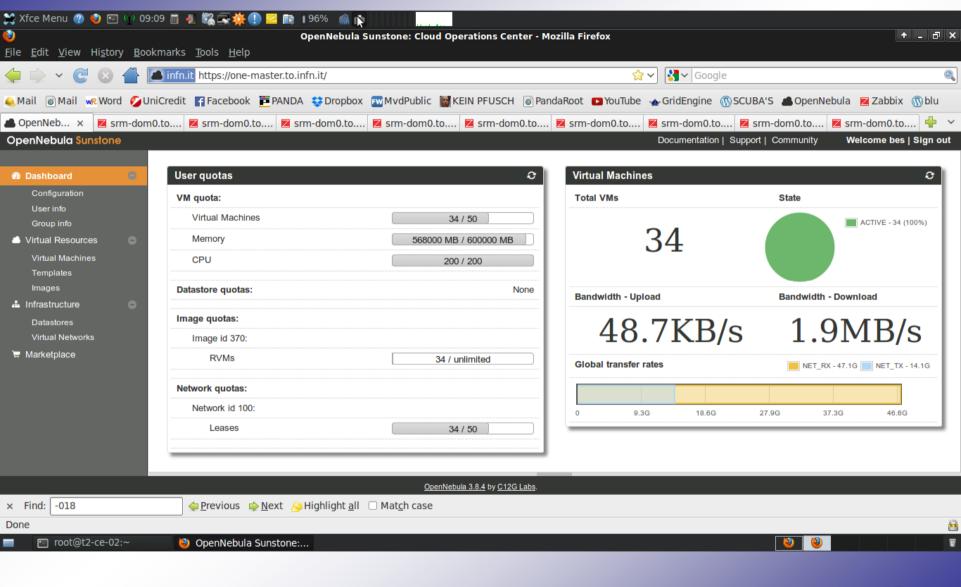
Test Cloud - cpu and mem

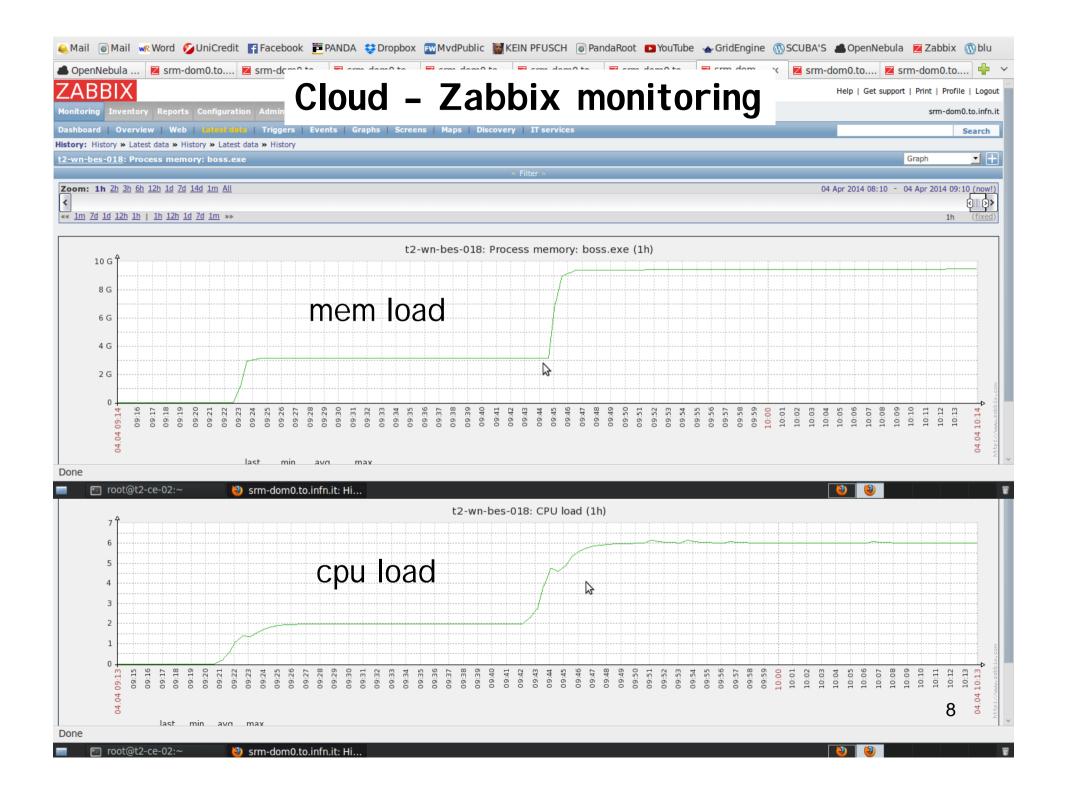


Test Cloud - cpu and mem

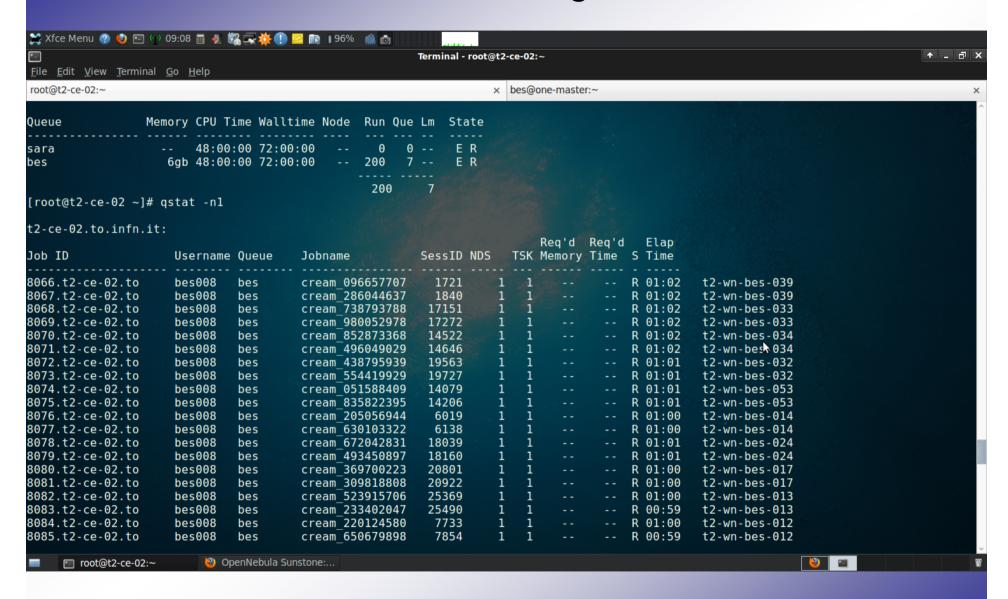


Cloud - Open Nebula interface

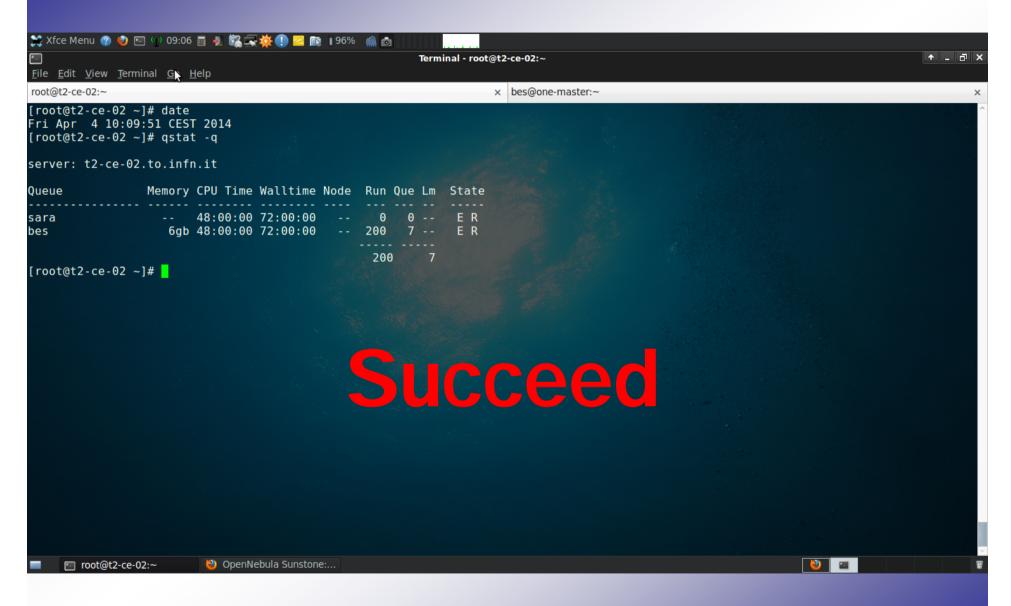




Cloud - Running Jobs



Cloud - IHEP Job Submission



CGEM Computing

CGEM BOSS installed and running

Simulations for the ppbar and \shakenbar final states

Digitization almost ready

-> Simulations have to be rerun

Possibility to include other final states

Torino farm up and running

Is CGEM sw in the CVMFS?