COMPASS@CLOUD-Torino

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COMPASS Cloud Farm Status

1 server (small size 1 core 3GB ram - PBS)

42 client (17 large size 6core – 16GB ram – 25 medium size 3 core – 8GB ram (150 core 2,2kHS06)

Storage: 40TB (10TB cmps-home 30TB cmps-data)

```
compasshead ~ # df -h
Filesystem                     Size  Used Avail Use% Mounted on
/dev/vda2                       79G  7,1G   68G  10% /
tmpfs                          1,2G     0  1,2G   0% /dev/shm
/dev/vda1                      194M  103M   82M  56% /boot
/dev/vdb2                       14G   33M   14G   1% /tmp
/dev/vdd                       4,9G  4,2G  759M  85% /home
172.16.219.100:/disk/cmps-home
                               9,9T  1,1T  8,3T  12% /cmps-home
172.16.219.100:/disk/cmps-data
                                30T   27T  3,9T  88% /cmps-data
compasshead ~ #
```

```
server: compasshead

Queue            Memory CPU Time Walltime Node    Run Que Lm    State
---------------- ------ -------- -------- ----    --- --- --    -----
compass            --      --       --     --      74 139 99    E R
background         --      --       --     --      76 396 76    E R
lowpriority        --      --       --     --       0   0 10    E R
short              --   01:00:00 01:00:00  --       0   0 10    E R
                                                  ----- -----
                                                   150    535

compasshead ~ #
```
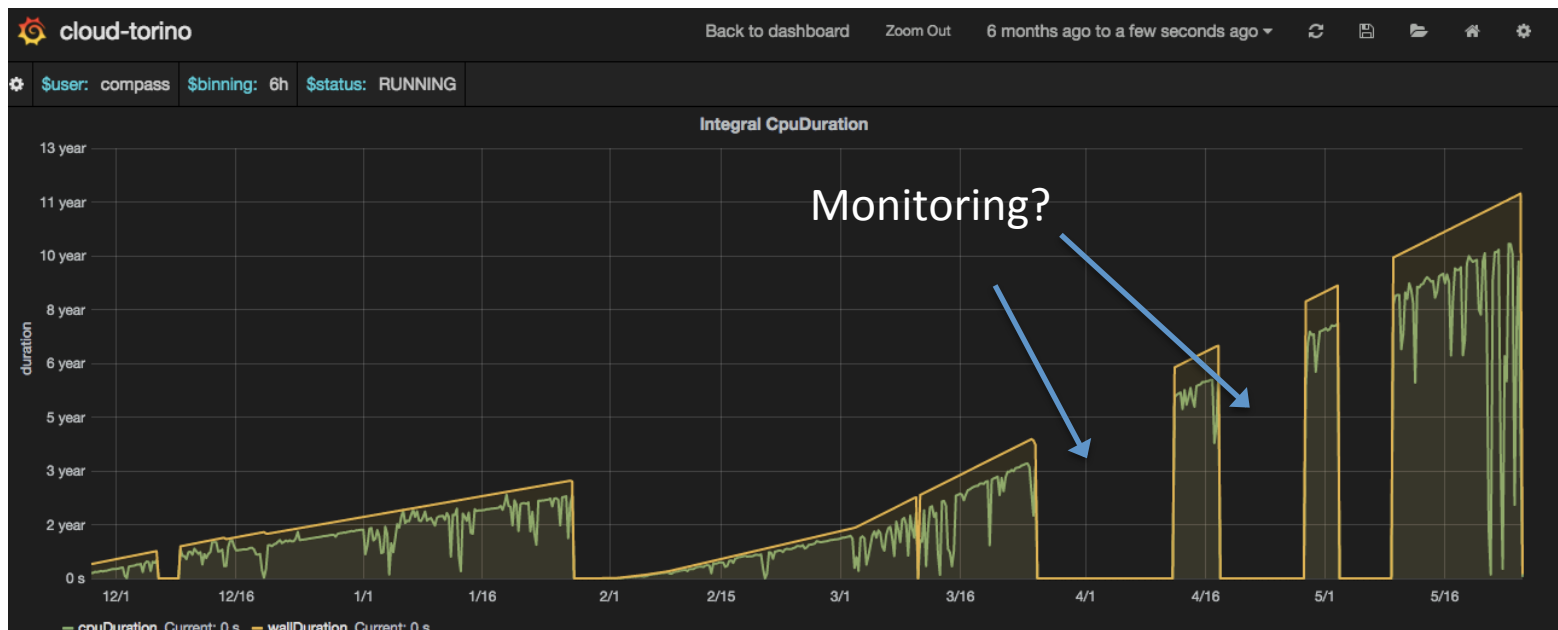
COMPASS Request 1/3

- COMPASS Cloud Server images
  Analysis and Simulation softwares change frequently and the server needs to be updated

- Possibility to have a user-friendly procedure to save configuration (server images)

- Available How-to to recover the server in case of problems (shutdown, powercut etc.)

COMPASS Request 2/3

- Increase Resources for Monitoring

  CLOUD Monitoring server needs to be restarted.

- Possibility to customize the Monitoring
  (referees request)

- COMPASS "classic" farm has 70TB of disk space (mDST data and simulation)

- Investigate the possibility to access these resources from the cloud