BelleII@CNAF

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Belle Italian datacenter meeting - April 2021

Pledge

	2020			2021		
	CPU (HS06)	**Disk (TB)**	**Tape (TB)**	**CPU (HS06)**	**Disk (TB)**	**Tape (TB)**
BELLE	16300	650	0	27133	650	350

❖ 2021 Pledge available from January
❖ Tape endpoint already provided
❖ Farm shared with all the other T1 experiments
➢ Pledge guaranteed
➢ Automatic Overpledge usage possible
■ based on HTCondor fairshare algorithm

Services

- ❖ 6 Shared Condor CEs
- ❖ 1 Storm endpoint: storm-fe-archive
- ❖ 4 gridftp/StoRM WebDAV servers: xfer-archive

```
belle

+---------------------------------+---------------+---------------------------------+---------------+
| frontend_public_host            | access_point  | root_path                       | storage_class |
+---------------------------------+---------------+---------------------------------+---------------+
| storm-fe-archive.cr.cnaf.infn.it | /belle        | /storage/gpfs_data/belle        | disk          |
| storm-fe-archive.cr.cnaf.infn.it | /belle/DATA   | /storage/gpfs_data/belle/DATA   | disk          |
| storm-fe-archive.cr.cnaf.infn.it | /belle/TMP    | /storage/gpfs_data/belle/TMP    | disk          |
| storm-fe-archive.cr.cnaf.infn.it | /belletape    | /storage/gpfs_archive/belle     | buffer tape   |
+---------------------------------+---------------+---------------------------------+---------------+
```
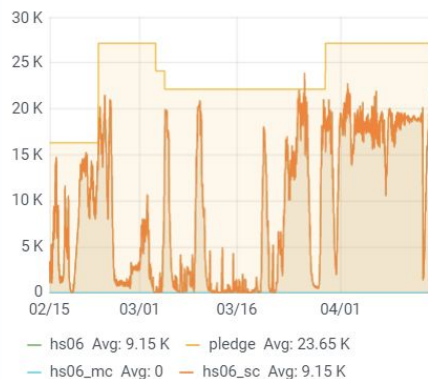
https://www.cnaf.infn.it/~usersupport/

- ❖ All services with VOMS based authentication
    - ➢ no Indigo-IAM token - if needed we can configure
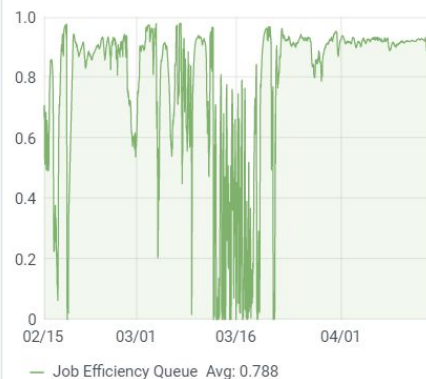
3

Usage - CPU

4

Usage - Disk&Tape

Disk (TB)

⌄ Experiments disk usage

Belle2

	current
quota	650 TB
used (no tape buffer)	621 TB
buffer used	31 TB
pledge	650 TB
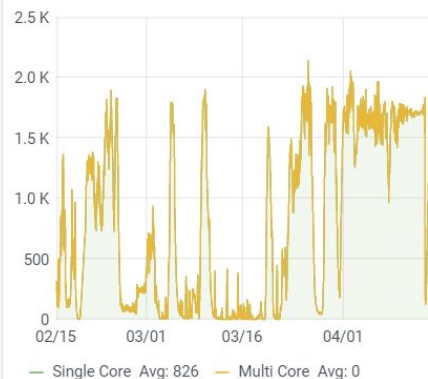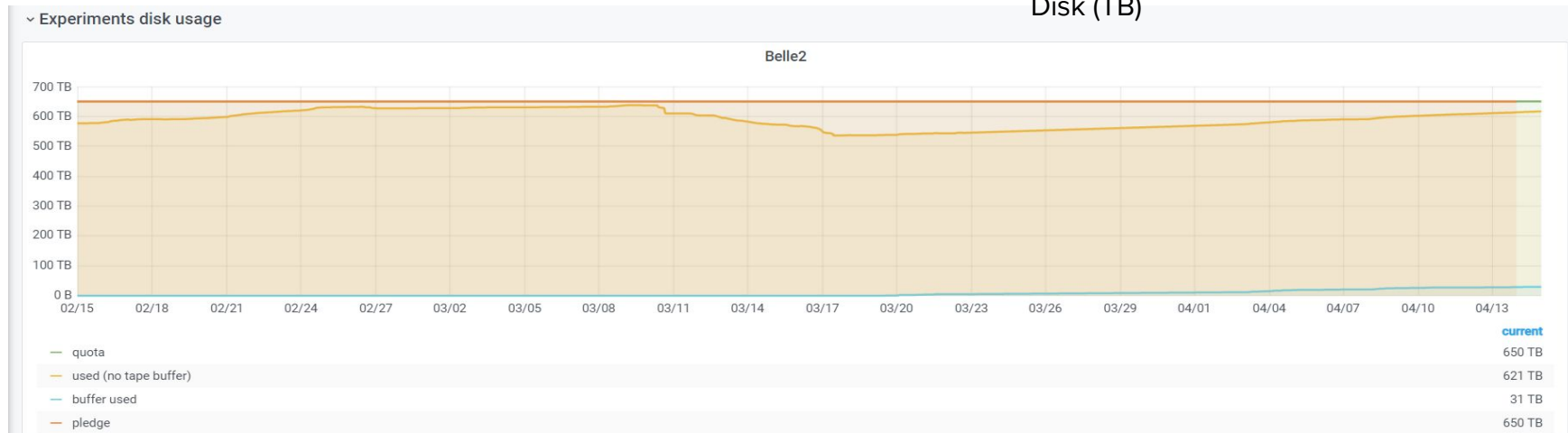
Tape (TB)

⌄ Single selected noLHC VOs

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	current
used	30.89 TB
pledge	350.00 TB
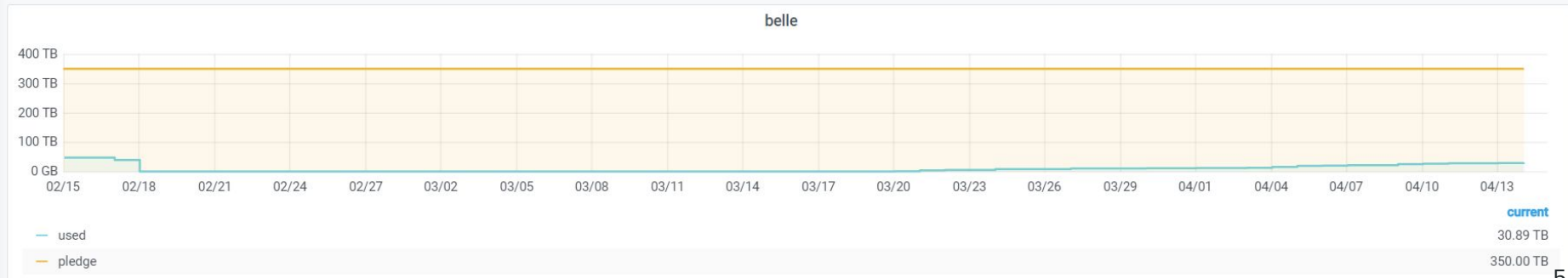
GGUS ticket 150505

- https://ggus.eu/index.php?mode=ticket_info&ticket_id=150505
- Pilot jobs submitting to ce[01-06]-htc.cr.cnaf.infn.it failed
    - 2021-02-03 15:20:33 UTC WorkloadManagement/SiteDirectorCNAF ERROR: Failed submission to queue ce06-htc.cr.cnaf.infn.it_htcondorce-condor: Pilot submission failed with error: ERROR: Can't find address of schedd ce06-htc.cr.cnaf.infn.it
- Network and Farming groups are currently investigating the issue, there are network problems.

Getting Support

❖ GGUS Ticket

❖ user-support _at_ lists.cnaf.infn.it

❖ https://confluence.infn.it/display/TD/Tier1+-+Documentation

❖ Monthly CdG - Comitato di Gestione

❖ Next CdG initially scheduled for this Friday (16/4), deleted since we don't have many issues to discuss, except for the following:

➢ One of the two main electrical lines has been damaged: this issue has been partially fixed, atm storage and network equipments are normally powered, while farming's WNs are powered only by one of the two electrical lines (CINECA nodes, which provide almost half of the computing power, not interested by the issue). Farming services are replicated (and so protected from damages concerning one power supply), we're currently checking how to power them properly with both lines. We planned the return to a normal situation by the end of the month. N.B: when the works to the damaged electrical line take place, also the other equipments currently powered by both lines will lose the second power supply (we will put a gocdb AT RISK and you'll be informed).

➢ Gare - il primo lotto della gara storage 2020 verrà installato ad inizio mese prossimo. Il contratto per il secondo lotto invece non è stato ancora firmato. Nessuna novità per le CPU 2020-2021 (in attesa completamento della gara di refurbish del CINECA).