

# Bellell@CNAF

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A. Rendina on behalf of User Support@CNAF  
Belle Italian datacenter meeting - May 2024

# Pledge

	2023			2024		
	CPU (HS06)	Disk (TB)	Tape (TB)	CPU (HS06)	Disk (TB)	Tape (TB)
<b>BELLE</b>	27000	1020	650	31000	1320	650

- ❖ 2024 Disk pledge available by June
- ❖ 2024 CPU pledge guaranteed
  - Farm shared with all the other T1 experiments
  - Automatic Overpledge usage possible
    - based on HTCondor fairshare algorithm

# Services

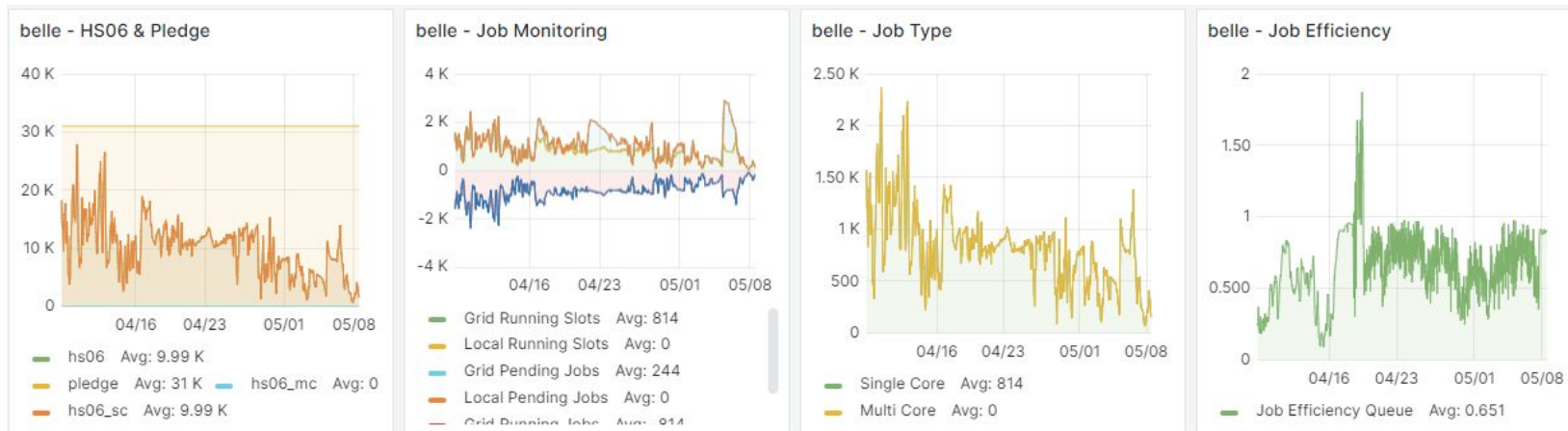
- ❖ 7 Shared Condor CEs → ce01-htc - ce07-htc
  - Transitioning to HTCondor 23 (ce01-htc - ce06-htc already upgraded)
  - Farm partitioned between two clusters: HTCondor 9 (~1/3) and HTCondor 23 (~2/3)
  - Grid job submission with **GSI**(HTC9)/**SSL**(HTC23) and **SCITOKEN**
- ❖ 1 StoRM endpoint: storm-fe-archive
- ❖ 2 StoRM WebDAV servers: xfer-archive
  - with both **VOMS** and **Indigo-IAM token** based authentication
- ❖ Belle II is the only experiment at CNAF that is still using StoRM GridFTP (srm+gsiftp)
  - gsiftp protocol is no more supported since January 2023

# Services

- ❖ StoRM WebDAV & grid job submission with both **VOMS** and **Indigo-IAM token** based authentication
  - <https://iam-belle.cloud.cnaf.infn.it/>
  - <https://belle-auth.cc.kek.jp/>
  - Indigo-IAM token retrieved via oidc-agent tools
  - StoRM WebDAV SA permissions aligned for both proxy & token:
    - **davs://xfer-archive.cr.cnaf.infn.it:8443/belle**
      - writing for role production, read-only for others
    - **davs://xfer-archive.cr.cnaf.infn.it:8443/belle/DATA**
      - writing for role production, read-only for others
    - **davs://xfer-archive.cr.cnaf.infn.it:8443/belle/TMP**
      - r/w for all
  - Tape SA enabled with proxy:
    - **srm://storm-fe-archive.cr.cnaf.infn.it:8444/belle-tape**

# Usage - CPU

<https://t1metria.cr.cnaf.infn.it>



# Usage - Disk & Tape

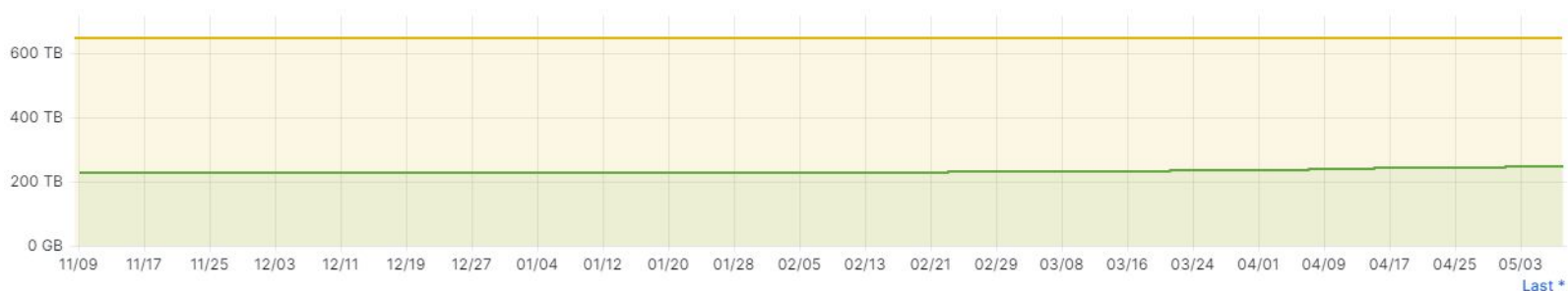
<https://t1metria.cr.cnaf.infn.it>

Disk usage Belle2



pledge	1.32 PB
disk quota	819 TB
disk used	759 TB

Tape usage Belle2



used	248 TB
pledge	650 TB

# Getting Support

- ❖ GGUS Ticket
- ❖ [user-support@lists.cnaf.infn.it](mailto:user-support@lists.cnaf.infn.it)
- ❖ [iam-support@lists.infn.it](mailto:iam-support@lists.infn.it)
- ❖ <https://confluence.infn.it/display/TD/Tier1+-+Documentation>
- ❖ Monthly CdG - Comitato di Gestione: the 3rd Friday of the month