



SITUAZIONE TIER-1

23 febbraio 2018

Status & activity (1)

- Full continuity on 1st power line restored last Tuesday
 - *1.4 MW of available power*
- Only half of the conditioning power available
- Farm services on
 - *Only 50 kHS06 available at CNAF at present*
 - *Slow increase since next Monday*
 - *24 kHS06 in Bari*
- Installation of WNs at CINECA started
 - *500 Gbps VPN (RTT: 0.4 ms)*
 - *~170 kHS06*
 - *CentOS 7*
 - *Singularity*

Storage status

System	Type	Status	Readiness
Alice	Tape buffer	OK	PRODUCTION
	Disk	Parity ok	PRODUCTION
Atlas	Tape buffer	OK	PRODUCTION
	Disk	parity ok	PRODUCTION
CMS	Disk + tape buffer	Degraded parity: raid5 in few LUNs, raid 6 in the others Disks to be replaced	PRODUCTION
LHCb	Disk + tape buffer	Degraded parity: raid5 in all LUNs Data to be moved to the new system	Start moving next week Production in March
AMS	Disk	Parity ok	Ready READY
Virgo	Disk + tape buffer	OK	PRODUCTION
Darkside	Disk	OK	PRODUCTION
Astro-particle experiments	Disk	Maintenance intervention	CRITICAL

Disk servers are being installed

As soon as the new system will be available we will open the old fs and rw the data moved

Status & activity (2)

- Virgo, Darkside in production
- Ticket opened to trace the restart of activities
- AMS, Alice, Atlas, CMS restarting
- Cabling of new storage (2017 tender) completed
 - Moving of LHCb data starting next week
- Critical state for Huawei system (CSN2 and CSN3 experiments)
 - Recovered 1/3 of files
 - Contacting experiments with lists of lost files
- Wet tape: recovering 1 tape/day
 - *first batch of 20 tapes will be delivered next week*
 - *End of April for all other tapes...*

ALICE – Ticket 133582

TODO:

- ❑ alice TOD1 filesystem: is not accessible, xrootd servers have been reinstalled (only one server survived but we will replace it any case) but yet to be tested
- ❑ Tests with experiment

DONE:

- ✓ voboxes: the 2 voboxes are running and submitting job
- ✓ ce,wn: are open to ALICE, currently about 1k jobs are running
- ✓ disk buffer in front of tapes: Xrootd access is provided, migration to tape and recalls are working

ATLAS – Ticket 131742

TODO:

- set online INFN-T1_*DISK in ATLAS DDM (rucio test) (Lorenzo & ADC)
- FS mounting on farm nodes (CNAF)
- restart HammerCloud tests on Panda queues (Lorenzo & ADC)

DONE:

- ✓ FS check (CNAF)
- ✓ FS mounting on StoRM and gridftp servers (CNAF)
- ✓ gridftp test (CNAF)
- ✓ StoRM tables cleanup (CNAF)
- ✓ Storm reconfig (CNAF)
- ✓ Storm test (lcg-utils) (Lorenzo & CNAF)

CMS – Ticket 133515

TODO:

- test cms job (CMS)?
- turn on Phedex (CNAF UserSup + CMS)
- config singularity on CINECA farm only (deadline 1/3)
- config IPv6 on StoRM, gridftp, XrootD (deadline 1/4)

DONE:

- ✓ check fs (CNAF storage)
- ✓ mount fs on xrootd, storm, gridftp (CNAF storage)
- ✓ turn on Xrootd redir and e add in DNS HA (Storage)
- ✓ test gridftp (SAM test), xrootd (CNAF UserSup)
- ✓ turn on storm (CNAF storage)
- ✓ test storm (CNAF UserSup + CMS)
- ✓ mount fs on farm (CNAF storage)
- ✓ modify cms config for access to local storage (CMS)
- ✓ open CMS queues (CNAF farm)

CLOUD

EEE:

- ✓ Dati recuperati al 100%
- ✓ Operativi da fine dicembre, pienamente operativi dal 19 gennaio

FAZIA:

- ✓ Calcola di nuovo dal 18 gennaio
- ✓ Chiesto a cloud di recuperare il possibile di quanto calcolato prima dell'incidente
- ✓ 8 macchine con 16 core (128 tot), più del doppio performanti rispetto a prima, fazia-bastion da 2 core

Ticket Aperti

Ticket ID	Exp	Desc.
133604	ATLAS	Tape transfers via CERN fts to INFN do not work
133582	ALICE	CNAF restart tracking for ALICE
133515	CMS	CNAF Storage restart
133473	CMS	setup of /store/test/rucio
133320	ATLAS	INFN-T1 access from new RAL FTS lcgfts01.gridpp.rl.ac.uk (firewall?)
133102	LHCb	New LHCb mounting point at CVMFS
131831	OPS	[Rod Dashboard] Issues detected at INFN-T1 to keep in trace A/R value
131742	ATLAS	INFN-T1 in downtime (overview ticket)