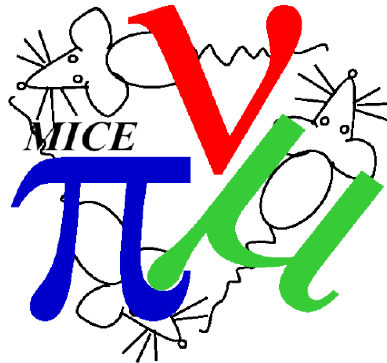




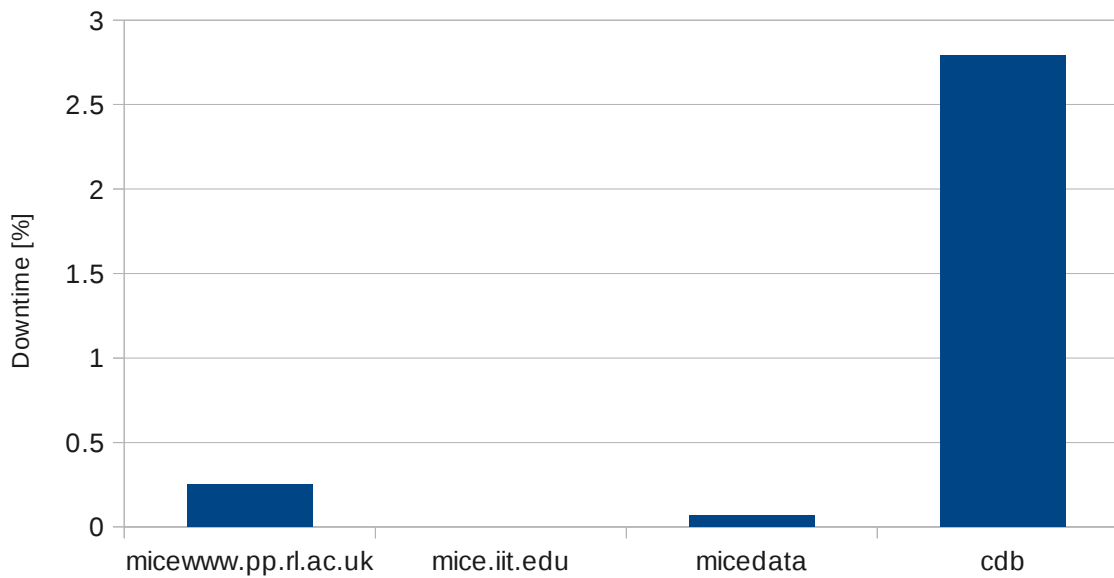
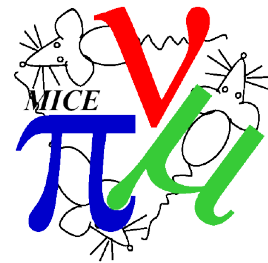
PPD Services

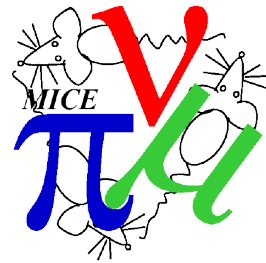


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Uptimes



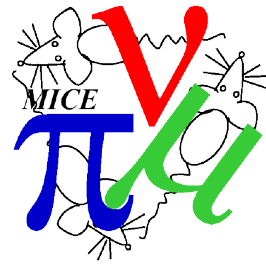


- Failed upgrade to the virtualisation infrastructure
- Virtual machines data stored on mirrored pair of storage servers
- Aimed to make a firmware upgrade to these servers
- Plan was to:
 - Check failover
 - Take primary off; Failover to backup; Upgrade primary firmware
 - Bring primary online
 - Take backup offline; Upgrade backup; Bring backup online
 - Rebuild mirror
- Mirror rebuild failed
 - HyperV cluster would not bring the storage online
 - Dell resolved through support call
- Plan to not upgrade firmware unless absolutely necessary
 - Previously trying to keep in touch with “latest release”



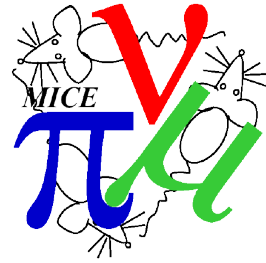
- CDB downtime is caused by a (java) memory leak somewhere in the backend
 - Load is presently quite low
 - Need to untangle
- Short term fix (not implemented) is to restart the tomcat service nightly
 - Use a nightly cron
 - May cause interruption to any ongoing lookups

Jenkins



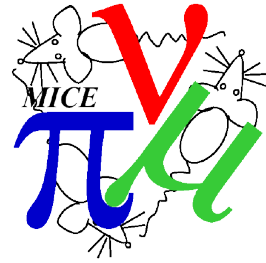
- A few users have reported mysteriously self-deleting usernames
 - I have no clue what is going on
 - User ID still exists on disk – for some reason jenkins is not reading it properly

Changes to Services



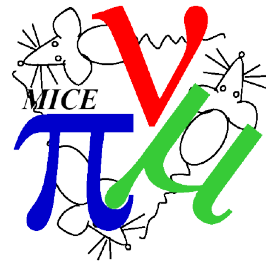
- Added a new SL6.4 server for testing
 - Harder than it should have been!

Plans



- Hephnm069 replacement
 - This is our main data storage node
- Migration of EPICS gateway and mousehole to HyperV
 - This has been on the job list for a while now
 - Should aim to crack it before next CM
- Migration of Jenkins head node to HyperV
 - Use the current jenkins slave that is now operating on HyperV
 - Hephnm070 becomes redundant backup

Spares



- heplnm067, heplnm068:
 - Are redundant backups for each other
 - PPD have offered to temporarily host MICE bastion and gateway should both machines fail
- heplnm069:
 - We have spare disks
 - Everything else is on a support contract which expires Feb 2015
 - We will replace this machine before the next CM
 - 6 months to “bed in”
- heplnm070, heplnm071
 - Not critical systems - if they fail, they fail
 - See comment about Jenkins on previous slide