

CVMFS at RAL (client view)

Initial test deployment about 2010 with version 0.2.55

In production for Atlas/LHCb about Apr/May 2011

Gradually rolled out to other VOs.



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- Constant updates
 - Initially very cautious. Drained nodes for updates
 - We were testing nightly builds for a while.
 - In the absence of problems, we became more relaxed about updating CVMFS. We expect it to work.

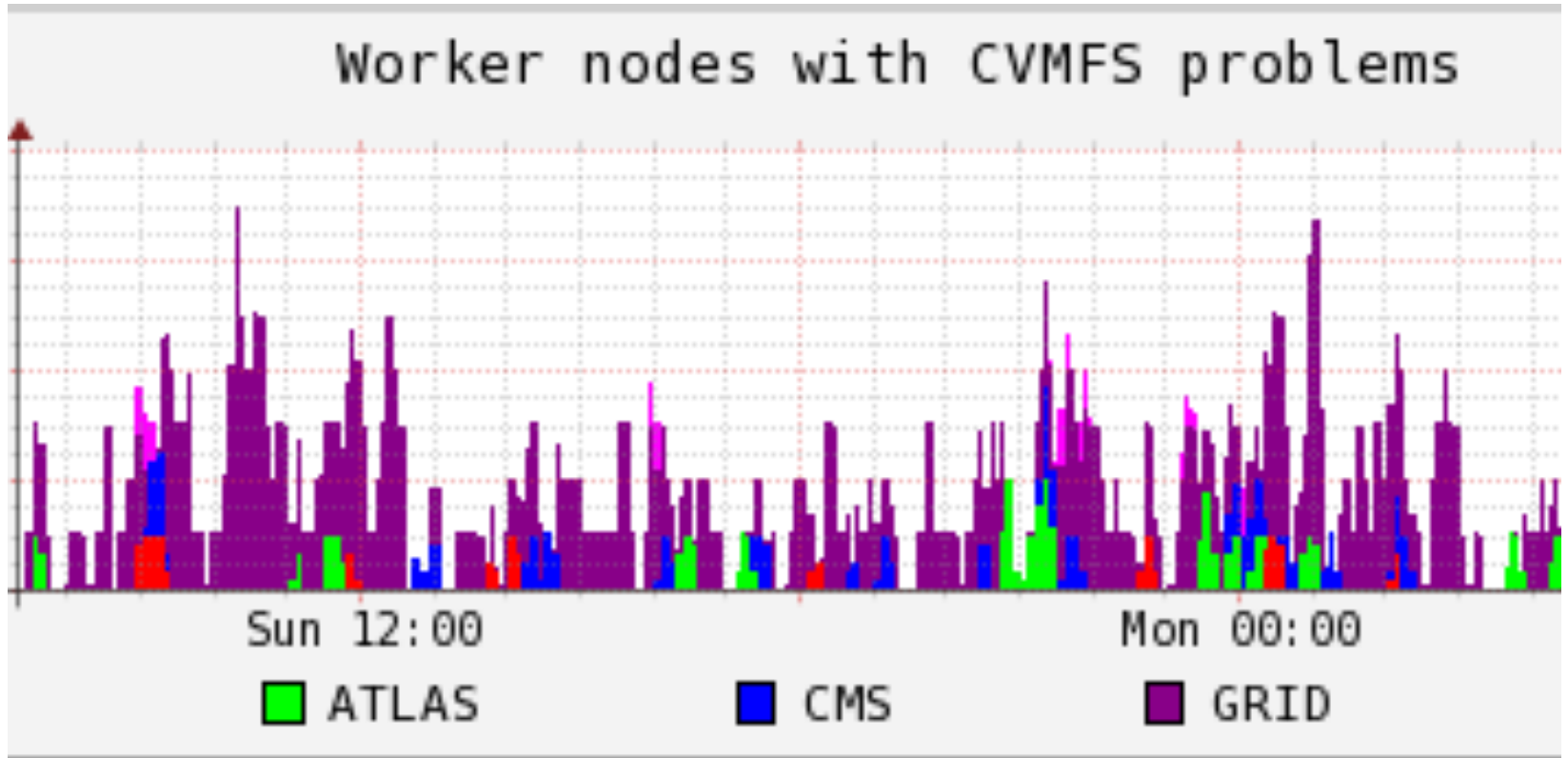


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- Some problems
 - EGI-SVG-2013-5890 – a privilege escalation
- The inode problem (esp for Atlas) See:
<https://indico.cern.ch/event/289284/contributions/1645457/attachments/540272/744681/CVMFSinodeProblem.pdf>
- Network breaks break CVMFS



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- Generally works well
- Does 'what it says on the tin'
- Good debugging tools (cvmfs_talk, cvmfs_config bugreport, etc)
- The nagios test for CVMFS is important.
- Good support (from developers and mailing list).



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- We are happy
- Especially when we remember the old way ...
 - NFS servers
 - Install jobs.
 - Validation jobs

A month to roll out a new software release



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Questions ?



Crazy command lines

- `cvmfs_talk internal affairs | egrep -B2 'inode generation:' | sed -ne '/\..*\..*:\s*$/p' -ne 's/^\.*inode generation:\s*\([0-9][0-9]*\)\/\1/p' | sed -e 'N ; s/:\n\t /'`
- `cvmfs_talk internal affairs | egrep -B2 'inode generation:' | sed -ne '/\..*\..*:\s*$/p' -ne 's/^\.*inode generation:\s*\([0-9][0-9]*\)\/\1/p' | sed -e 'N ; s/:\n\t /' | awk '{foo=2**31; if ($2 > foo) print $1 " is using " $2 " inodes and this is greated than " foo}'`

