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SteveTraylen 2007-10-10

Objective

- To install Patch #1232 [↗](#) to the prod and tiertwo service.
- Reboot for long overdue kernel upgrade.

Status

Completed Thursday August 23rd 2007.

Broadcast

Date: Thursday August 23rd 2007

Affected Service: CERN FTS prod-fts-ws.cern.ch and tiertwo-fts-ws.cern.ch.

Impact: Service unavailable for atlas, alice, lhcb, cms, dteam an ops VOs.

On Thursday August 23rd from 06:30 UTC (08:30 CEST) the CERN T0 export and tiertwo FTS service will be unavailable for a software upgrade. The full service is expected to be restored by 10:00 UTC (12:00 CEST). No further broadcast will be sent assuming the service is restored by this time.

Questions: fts-support@cern.ch.

Preparation Steps

- Check defragmentation of Database - Request made to DBAs.
- Prepare CDB templates and validate. Same as pilot plus addition of yaim 4.

Intervention

- Set hosts to SMS status maintenance. **Done**
- Switch channels to inactive, wait to drain. **Done**

- Stop scripts running on `fts102` and `lxb2091`
- Disable history pack on prod and `tiertwo`.
 - ◆ `exec fts_stats.stop_hourly_job;`
 - ◆ `exec fts_history.stop_job;`
 - ◆ `exec fts_statecount.stop_job.`
- Verify no queries are running.
 - ◆ `select * from user_jobs;`
- Stop the web services.
- Stop the agent nodes.
- Ask DBAs to backup tables and check fragmentation.
- Upgrade the schema.
- Commit CDB files.
- Update RPMS.
- Run `yaim`.
 - ◆ For some unknown reason `/opt/glite/yaim/bin//yaim -i -s /etc/lcg-quattor-site-info.def -m glite-FTA2` works but the more correct. `ncm-ncd --configure yaim` fails. This is not a problem and can be easily worked around.
 - ◆ In fact fixed by replacing `tail_pid=$?` rather than `tail_pid=$!`. In fact this `yaim` is not released and is fixed in what will be release.
- Start web servers by rebooting.
 - ◆ Try a few commands.
- Start agent nodes by rebooting.
 - ◆ Check they are running.
- Start monitoring jobs `fts102`
- Enable jobs
 - ◆ `exec fts_history.submit_job;`
 - ◆ `exec fts_stats.submit_job;`
 - ◆ `exec fts_statecount.submit_job;`
- Enable production status for nodes in SMS.
- Have lunch.

-- SteveTraylen - 15 Aug 2007

This topic: LCG > FtsTier0ServerInterventionPlanPatch1232

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