

# DCSO - Necessary Maintenance #9789

## down time on Aug 5th 2015

08/05/2015 09:25 AM - Natalia Ratnikova

|  |                   |                        |             |
|--|-------------------|------------------------|-------------|
| <b>Status:</b>                           | Assigned          | <b>Start date:</b>     | 08/05/2015  |
| <b>Priority:</b>                         | High              | <b>Due date:</b>       |             |
| <b>Assignee:</b>                         | Natalia Ratnikova | <b>% Done:</b>         | 0%          |
| <b>Category:</b>                         |                   | <b>Estimated time:</b> | 0.00 hour   |
| <b>Target version:</b>                   |                   | <b>Spent time:</b>     | 14.00 hours |
| <b>Scope:</b>                            | Internal          | <b>Stakeholders:</b>   |             |
| <b>Experiment:</b>                       | -                 |                        |             |
| <b>Description</b>                       |                   |                        |             |
| This is for the record of the work done. |                   |                        |             |

### History

#### #1 - 08/05/2015 09:32 AM - Natalia Ratnikova

In check\_mk go to host groups

click on the group name on top of the corresponding nodes list (dCache disk)

click on the tool in the top menu

declare downtime (2 hours)

Direct link to dCache:

[https://ecfmon1.fnal.gov/dcsomon/check\\_mk/index.py?start\\_url=%2Fdcsonom%2Fcheck\\_mk%2Fview.py%3Fview\\_name%3Dhostgroup%26hostgroup%3DdCache-disk](https://ecfmon1.fnal.gov/dcsomon/check_mk/index.py?start_url=%2Fdcsonom%2Fcheck_mk%2Fview.py%3Fview_name%3Dhostgroup%26hostgroup%3DdCache-disk)

Do the same for cmsrv228 and cmsphedex0disk, cmsphedex-lpc

#### #2 - 08/05/2015 10:55 AM - Natalia Ratnikova

Chih-Hao reported that dcache tape instance is getting restarted.

Stopped phedex agents on cmsrv228, restart the node.

cmsrv228.fnal.gov - phedextape/production (SLF 6.6)

16-core Opteron 6320 (H8DGU); 62.90 GB RAM, 20.00 GB swap

```
[root@cmsrv228 ~]# su - cmsprod
```

```
bash 4.1$ cd /home/cmsprod/siteconf-git/
```

```
-bash 4.1$ ps -fu$USER | grep perl
```

```
emsprod 3171 1 0 Apr21 ? 00:53:08 perl
```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
```

```
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/exp-pfn-buffer-log
```

```
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/exp-pfn-buffer-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
```

```
T1_US_FNAL_Buffer,T1_US_FNAL_MSS-storage /home/cmsprod/siteconf-git/storage-dev.xml-protocols-crmv2-direct
```

```
emsprod 3183 1 0 Apr21 ? 00:54:50 perl
```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
```

```
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/exp-pfn-mss-log /storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/exp-pfn-mss
```

```
-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_MSS-storage /home/cmsprod/siteconf-git/storage-dev.xml
```

```
-protocols-direct
```

```
emsprod 3195 1 0 Apr21 ? 01:32:37 perl
```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileRemove-state
```

```
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/download-remove-log
```

```
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/download-remove-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
```

```
T1_US_FNAL_Buffer,T1_US_FNAL_MSS-delete /home/cmsprod/siteconf-git/plugins/FileDownloadDeleteDirect-protocol-direct-jobs-4
```

```
emsprod 3209 1 0 Apr21 ? 01:43:08 perl
```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
```

```
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/download-cern-log
```

```
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/download-cern-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
```

```
T1_US_FNAL_Buffer-accept CERN-delete /home/cmsprod/siteconf-git/plugins/FileDownloadDelete-validate
```

```
/home/cmsprod/siteconf-git/plugins/FileDownloadVerify-chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/deap-verbose-max-tasks-5000-util-jobs
```

```
5000-jobs-200-util-timeout-3600-backend-FTS-protocols-srmv2-service-https://cmsfts3.fnal.gov:8443-q-interval-5-j-interval-4-max-active-files
```

```
1284-batch-files-10-link-pending-files-1284
```

```
emsprod 3222 1 0 Apr21 ? 01:43:18 perl
```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
```

```

/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/download-tier1/ log
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/download-tier1-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
T1_US_FNAL_Buffer-accept T1%-ignore CERN-delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera,c.*SFN=/11//pnfs/fs/usr/cms/WAX/11/deap-verbose-max-tasks 5000-util-jobs
5000-jobs 200-util-timeout 3600-backend FTS-protocols srmv2-service https://cmsfts3.fnal.gov:8443-q-interval 5-j-interval 4-max-active-files
5000-batch-files 5-link-pending-files 5000
emsprod-3235-1 0 Apr21 ? 01:44:03 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/download-tier2/ log
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/download-tier2-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
T1_US_FNAL_Buffer-accept T2%-ignore CERN-delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera,c.*SFN=/11//pnfs/fs/usr/cms/WAX/11/deap-verbose-max-tasks 5000-util-jobs
5000-jobs 200-util-timeout 3600-backend FTS-protocols srmv2-service https://cmsfts3.fnal.gov:8443-q-interval 5-j-interval 4-max-active-files
5000-batch-files 5-link-pending-files 5000
emsprod-3248-1 0 Apr21 ? 01:44:02 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/download-tier3/ log
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/download-tier3-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes
T1_US_FNAL_Buffer-accept T3%-ignore CERN-delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera,c.*SFN=/11//pnfs/fs/usr/cms/WAX/11/deap-verbose-max-tasks 5000-util-jobs
5000-jobs 200-util-timeout 3600-backend FTS-protocols srmv2-service https://cmsfts3.fnal.gov:8443-q-interval 5-j-interval 4-max-active-files
5000-batch-files 5-link-pending-files 5000
emsprod-3261-1 0 Apr21 ? 01:26:21 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/mss-stage-local/ log
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/mss-stage-local-accept T1_US_FNAL-Disk-db
/home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_Buffer-storage-map /home/cmsprod/siteconf-git//storage-dev.xml
-protocol srmv2-stage /usr/bin/srm-bring-online-status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status-2disk.py-maxfiles 4000
-batch-files 400-waittime 60
emsprod-3273-1 0 Apr21 ? 01:32:06 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/mss-stage/ log /storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/mss-stage
-ignore T1_US_FNAL-Disk,%CERN%-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_Buffer-storage-map
/home/cmsprod/siteconf-git//storage-dev.xml-protocol srmv2-stage /usr/bin/srm-bring-online-status
/home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py-maxfiles 4000-batch-files 400-waittime 60
emsprod-3285-1 0 Apr21 ? 01:21:23 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/mss-stage-cern/ log
/storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/mss-stage-cern-accept CERN-db
/home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_Buffer-storage-map /home/cmsprod/siteconf-git//storage-dev.xml
-protocol srmv2-stage /usr/bin/srm-bring-online-status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py-maxfiles 4000
-batch-files 400-waittime 60
emsprod-3299-1 0 Apr21 ? 01:06:53 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileMSSMigrate-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/mss-migrate/ log /storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/mss-migrate
-db /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_MSS-protocols srmv2-checkroutine
/home/cmsprod/siteconf-git//plugins/chimeradirectMigrationCheck.pm
emsprod-3382-1 0 Apr21 ? 01:02:20 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Verify/BlockDownloadVerify-state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/blockverify/ log /storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/blockverify-db
/home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-nodes T1_US_FNAL_Buffer,T1_US_FNAL_MSS-namespace deache- NOCACHE 1
cmsprod 3957 1 0 Apr21 ? 01:03:45 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Utilities/AgentFactory.pl state
/home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/watchdog/ log /storage/local/data1/phedex/Dev_T1_US_FNAL_Buffer/logs/watchdog-db
/home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL-node T1_US_FNAL_Buffer-agent_list download-cern-agent_list download-tier1-agent_list
download-tier2-agent_list download-tier3-agent_list download-remove-agent_list exp-pfn-buffer-agent_list exp-pfn-mss-agent_list mss-migrate
-agent_list mss-stage-local-agent_list mss-stage-agent_list mss-stage-cern-agent_list blockverify
emsprod-4061-1 0 Apr21 ? 00:53:43 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/exp-pfn-buffer/ log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/exp-pfn-buffer-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_Buffer,T1_US_FNAL_MSS-storage-map /home/cmsprod/siteconf-git//storage.xml-protocols srmv2,direct
emsprod-4074-1 0 Apr21 ? 00:53:31 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/exp-pfn-mss/ log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/exp-pfn-mss-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_MSS-storage-map /home/cmsprod/siteconf-git//storage.xml-protocols direct
emsprod-4087-1 0 Apr21 ? 01:35:38 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileRemove-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/download-remove/ log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/download-remove-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-
nodes T1_US_FNAL_Buffer,T1_US_FNAL_MSS-delete /home/cmsprod/siteconf-git//plugins/FileDownloadDeleteDirect-protocol direct-jobs 4
emsprod-4100-1 0 Apr21 ? 11:03:49 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/download-cern/ log

```

```

/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/download-cern-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_Buffer accept CERN delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,deap-verbose-max-tasks-5000-util-jobs
5000-jobs-200-util-timeout-3600-backend-FTS-protocols-srmv2-service-https://cmsfts3.fnal.gov:8443-q-interval-5-j-interval-4-max-active-files
1284-batch-files-10-link-pending-files-1284
emsprod-4114-1 0 Apr21 ? 05:59:30 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/download-tier1-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/download-tier1-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_Buffer accept T1% ignore CERN delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,deap-verbose-max-tasks-5000-util-jobs
5000-jobs-200-util-timeout-3600-backend-FTS-protocols-srmv2-service-https://cmsfts3.fnal.gov:8443-q-interval-5-j-interval-4-max-active-files
5000-batch-files-5-link-pending-files-5000
emsprod-4127-1 0 Apr21 ? 17:18:14 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/download-tier2-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/download-tier2-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_Buffer accept T2% ignore CERN delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,deap-verbose-max-tasks-5000-util-jobs
5000-jobs-200-util-timeout-3600-backend-FTS-protocols-srmv2-service-https://cmsfts3.fnal.gov:8443-q-interval-5-j-interval-4-max-active-files
5000-batch-files-5-link-pending-files-5000
emsprod-4140-1 0 Apr21 ? 01:57:37 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/download-tier3-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/download-tier3-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_Buffer accept T3% ignore CERN delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete-validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify-chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,deap-verbose-max-tasks-5000-util-jobs
5000-jobs-200-util-timeout-3600-backend-FTS-protocols-srmv2-service-https://cmsfts3.fnal.gov:8443-q-interval-5-j-interval-4-max-active-files
5000-batch-files-5-link-pending-files-5000
emsprod-4153-1 0 Apr21 ? 01:18:58 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/mss-stage-local-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/mss-stage-local-accept-T1_US_FNAL_Disk-db
/home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes T1_US_FNAL_Buffer storagemap /home/cmsprod/siteconf-git//storage.xml
-protocol-srmv2-stage-usr/bin/srm-bring-online-status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status-2disk.py-maxfiles-4000
-batch-files-400-waittime-60
emsprod-4165-1 0 Apr21 ? 02:57:38 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/mss-stage-log /storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/mss-stage
-ignore-T1_US_FNAL_Disk,%CERN%-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes T1_US_FNAL_Buffer storagemap
/home/cmsprod/siteconf-git//storage.xml-protocol-srmv2-stage-usr/bin/srm-bring-online-status
/home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py-maxfiles-4000-batch-files-400-waittime-60
emsprod-4177-1 0 Apr21 ? 01:21:43 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/mss-stage-cern-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/mss-stage-cern-accept-CERN-db
/home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes T1_US_FNAL_Buffer storagemap /home/cmsprod/siteconf-git//storage.xml
-protocol-srmv2-stage-usr/bin/srm-bring-online-status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py-maxfiles-4000
-batch-files-400-waittime-60
emsprod-4193-1 1 Apr21 ? 1 10:24:16 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileMSSMigrate-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/mss-migrate-log
/storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/mss-migrate-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes
T1_US_FNAL_MSS-protocols-srmv2-checkroutine /home/cmsprod/siteconf-git//plugins/chimeradirectMigrationCheck.pm
emsprod-4275-1 0 Apr21 ? 01:01:56 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Verify/BlockDownloadVerify-state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/blockverify-log /storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/blockverify
-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-nodes T1_US_FNAL_Buffer,T1_US_FNAL_MSS-namespace-deache-NOCACHE 1
cmsprod-4847-1 0 Apr21 ? 01:08:13 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Utilities/AgentFactory.pl state
/home/cmsprod/phedex/Debug_T1_US_FNAL_Buffer/state/watchdog-log /storage/local/data1/phedex/Debug_T1_US_FNAL_Buffer/logs/watchdog
-db /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL-node T1_US_FNAL_Buffer-agent-list-download-cern-agent-list-download-tier1
-agent-list-download-tier2-agent-list-download-tier3-agent-list-download-remove-agent-list-exp-pfn-buffer-agent-list-exp-pfn-mss-agent-list
mss-migrate-agent-list-mss-stage-local-agent-list-mss-stage-agent-list-mss-stage-cern-agent-list-blockverify
emsprod-5027-1 0 Apr21 ? 00:51:43 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/exp-pfn-buffer-log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/exp-pfn-buffer-db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL-nodes
T1_US_FNAL_Buffer,T1_US_FNAL_MSS-storagemap /home/cmsprod/siteconf-git//storage.xml-protocols-srmv2,direct
emsprod-5044-1 0 Apr21 ? 00:52:22 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileExport-state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/exp-pfn-mss-log /storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/exp-pfn-mss
-db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL-nodes T1_US_FNAL_MSS-storagemap /home/cmsprod/siteconf-git//storage.xml
-protocols-direct
emsprod-5258-1 0 Apr21 ? 01:36:14 perl

```

```
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileRemove -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/download-remove/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/download-remove -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes
T1_US_FNAL_Buffer,T1_US_FNAL_MSS -delete /home/cmsprod/siteconf-git//plugins/FileDownloadDeleteDirect -protocol direct -jobs 4
cmsprod -5487 -1 0 Apr21 ? 14:17:03 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/download-tier1/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/download-tier1 -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes
T1_US_FNAL_Buffer -accept T1% -ignore CERN -delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete -validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,dcap -verbose -max-tasks 5000 -util-jobs
5000 -jobs 200 -util-timeout 3600 -backend FTS -protocols srmv2 -service https://cmsfts3.fnal.gov:8443 -q-interval 5 -j-interval 4 -max-active-files
5000 -batch-files 5 -link-pending-files 5000
emsprod -5522 -1 0 Apr21 ? 07:44:26 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/download-tier2/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/download-tier2 -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes
T1_US_FNAL_Buffer -accept T2% -ignore CERN -delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete -validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,dcap -verbose -max-tasks 5000 -util-jobs
5000 -jobs 200 -util-timeout 3600 -backend FTS -protocols srmv2 -service https://cmsfts3.fnal.gov:8443 -q-interval 5 -j-interval 4 -max-active-files
5000 -batch-files 5 -link-pending-files 5000
emsprod -5591 -1 0 Apr21 ? 01:43:56 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/download-tier3/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/download-tier3 -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes
T1_US_FNAL_Buffer -accept T3% -ignore CERN -delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete -validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,dcap -verbose -max-tasks 5000 -util-jobs
5000 -jobs 200 -util-timeout 3600 -backend FTS -protocols srmv2 -service https://cmsfts3.fnal.gov:8443 -q-interval 5 -j-interval 4 -max-active-files
5000 -batch-files 5 -link-pending-files 5000
emsprod -5610 -1 0 Apr21 ? 01:29:31 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/mss-stage-local/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/mss-stage-local -accept T1_US_FNAL_Disk -db
/home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes T1_US_FNAL_Buffer -storagemap /home/cmsprod/siteconf-git//storage.xml -protocol
srmv2 -stage /usr/bin/srm-bring-online -status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status-2disk.py -maxfiles 4000 -batch-files
400 -waittime 60
emsprod -5628 -1 0 Apr21 ? 05:50:16 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/mss-stage/ -log /storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/mss-stage
-ignore T1_US_FNAL_Disk,%CERN% -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes T1_US_FNAL_Buffer -storagemap
/home/cmsprod/siteconf-git//storage.xml -protocol srmv2 -stage /usr/bin/srm-bring-online -status
/home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py -maxfiles 4000 -batch-files 400 -waittime 60
emsprod -5652 -1 0 Apr21 ? 01:23:53 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileStager -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/mss-stage-cern/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/mss-stage-cern -accept CERN -db
/home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes T1_US_FNAL_Buffer -storagemap /home/cmsprod/siteconf-git//storage.xml -protocol
srmv2 -stage /usr/bin/srm-bring-online -status /home/cmsprod/siteconf-git//plugins/chimeradirect-prestage-status.py -maxfiles 4000 -batch-files 400
-waittime 60
emsprod -5779 -1 0 Apr21 ? 16:27:40 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Verify/BlockDownloadVerify -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/blockverify/ -log /storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/blockverify
-db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes T1_US_FNAL_Buffer,T1_US_FNAL_MSS -namespace deache -NOCACHE 1
cmsprod 6540 1 0 Apr21 ? 01:23:45 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Utilities/AgentFactory.pl -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/watchdog/ -log /storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/watchdog -db
/home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -node T1_US_FNAL_Buffer -agent_list download-cern -agent_list download-tier1 -agent_list
download-tier2 -agent_list download-tier3 -agent_list download-remove -agent_list exp-pfn-buffer -agent_list exp-pfn-mss -agent_list mss-migrate
-agent_list mss-stage-local -agent_list mss-stage -agent_list mss-stage-cern -agent_list blockverify
cmsprod 10761 1 0 May11 ? 17:08:24 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileDownload -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/download-cern/ -log
/storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/download-cern -db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes
T1_US_FNAL_Buffer -accept CERN -delete /home/cmsprod/siteconf-git//plugins/FileDownloadDelete -validate
/home/cmsprod/siteconf-git//plugins/FileDownloadVerify chimera, c.*SFN=/11/./pnfs/fs/usr/cms/WAX/11/,dcap -verbose -max-tasks 5000 -util-jobs
5000 -jobs 200 -util-timeout 3600 -backend FTS -protocols srmv2 -service https://cmsfts3.fnal.gov:8443 -q-interval 5 -j-interval 4 -max-active-files
1284 -batch-files 10 -link-pending-files 1284
cmsprod 20911 1 0 Jul08 ? 02:20:52 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/FileMSSMigrate -state
/home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/mss-migrate/ -log /storage/local/data1/phedex/Prod_T1_US_FNAL_Buffer/logs/mss-migrate
-db /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL -nodes T1_US_FNAL_MSS -protocols srmv2 -checkroutine
/home/cmsprod/siteconf-git//plugins/chimeradirectMigrationCheck.pm
cmsprod 25329 4165 0 09:26 ? 00:00:00 perl
/home/cmsprod/phedex/4.1.3-comp3/sw/slc6_amd64_gcc461/cms/PHEDEX/PHEDEX_4.1.3-comp3/Toolkit/Transfer/././Utilities/RunWithTimeout
600 /usr/bin/srm-bring-online
srm://cmssrm.fnal.gov:8443/srm/managerv2?SFN=/11/store/PhEDEx_LoadTest07/LoadTest07_Debug_T1_US_FNAL_Disk/T1_US_FNAL_Buffer/19/
```



```
LoadTest07_LoadTest07_FINAL_75_xjUnifsw4Pwp7R0C_19
cmsprod 27911 27539 0 09:34 pts/1 00:00:00 grep perl
-bash-4.1$ ps -fu$USER | grep perl | wc -l
41
-bash-4.1$ ./pmgr Dev stop
Wed Aug 5 09:35:04 2015: Waiting for agents: mss-migrate(3299), mss-stage-cern(3285), blockverify(3382), watchdog(3957), download-tier1(3222),
exp-pfn-mss(3183), exp-pfn-buffer(3171), download-tier3(3248), mss-stage-local(3261), mss-stage(3273), download-remove(3195),
download-tier2(3235), download-cern(3209)
Wed Aug 5 09:35:07 2015: Waiting for agents: mss-migrate(3299), watchdog(3957), download-tier1(3222), exp-pfn-mss(3183), exp-pfn-buffer(3171),
download-tier3(3248), download-remove(3195), download-cern(3209)
All agents successfully terminated
T1 tape pmgr: stop Dev
-bash-4.1$ ./pmgr Prod stop
Wed Aug 5 09:35:16 2015: Waiting for agents: mss-stage-cern(5652), mss-stage-local(5610), download-tier1(5487), download-tier3(5591),
download-remove(5258), exp-pfn-buffer(5027), download-cern(10761), blockverify(5779), watchdog(6540)
Wed Aug 5 09:35:19 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:22 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:25 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:28 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:31 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:34 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:37 2015: Waiting for agents: blockverify(5779)
Wed Aug 5 09:35:40 2015: Waiting for agents: blockverify(5779)
All agents successfully terminated
T1 tape pmgr: stop Prod
-bash-4.1$ ./pmgr Debug stop
Wed Aug 5 09:36:05 2015: Waiting for agents: mss-stage(4165), mss-stage-cern(4177), watchdog(4847), blockverify(4275), download-cern(4100),
exp-pfn-mss(4074)
Wed Aug 5 09:36:08 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:11 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:14 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:17 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:20 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:23 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:26 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:29 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:32 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:35 2015: Waiting for agents: mss-stage(4165)
Wed Aug 5 09:36:38 2015: Waiting for agents: mss-stage(4165)
All agents successfully terminated
T1 tape pmgr: stop Debug
-bash-4.1$ ps -fu$USER | grep perl | wc -l
1
-bash-4.1$ ps -fu$USER | grep perl
cmsprod 28460 27539 0 09:38 pts/1 00:00:00 grep perl
-bash-4.1$ reboot now
reboot: Need to be root
-bash-4.1$ exit
logout
[root@cmssrv228 ~]# reboot now
```

Broadcast message from [root@cmssrv228.fnal.gov](mailto:root@cmssrv228.fnal.gov)  
(/dev/pts/1) at 9:38 ...

The system is going down for reboot NOW!  
[root@cmssrv228 ~]# Connection to cmssrv228 closed by remote host.  
Connection to cmssrv228 closed.  
[root@cmsadmin1 ~]# ssh cmssrv228  
Last login: Wed Aug 5 09:33:44 2015 from cmsadmin1.fnal.gov  
NOTICE TO USERS

This is a Federal computer (and/or it is directly connected to a Fermilab local network system) that is the property of the United States Government. It is for authorized use only. Users (authorized or unauthorized) have no explicit or implicit expectation of privacy.

Any or all uses of this system and all files on this system may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Department of Energy and law enforcement personnel, as well as authorized officials of other agencies, both domestic and foreign. By using this system, the user consents to such interception, monitoring, recording, copying, auditing, inspection, and disclosure at the discretion of authorized site or Department of Energy personnel.

```
Unauthorized or improper use of this system may result in administrative disciplinary action and civil and criminal penalties. By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use. LOG OFF IMMEDIATELY if you do not agree to the conditions stated in this warning.
```

```
Fermilab policy and rules for computing, including appropriate use, may be found at http://www.fnal.gov/cd/main/cpolicy.html
```

```
cmssrv228.fnal.gov - phedextape/production (SLF 6.6)  
16-core Opteron 6320 (H8DGPU); 62.90 GB RAM, 20.00 GB swap
```

```
[root@cmssrv228 ~]# uptime  
09:45:33 up 4 min, 1 user, load average: 0.09, 0.21, 0.09  
[root@cmssrv228 ~]#  
[root@cmssrv228 ~]# ifconfig  
eth0 Link encap:Ethernet HWaddr A0:36:9F:23:D0:70  
inet addr:131.225.205.62 Bcast:131.225.207.255 Mask:255.255.252.0  
inet6 addr: fe80::a236:9fff:fe23:d070/64 Scope:Link  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:139109 errors:0 dropped:0 overruns:0 frame:0  
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:19729958 (18.8 MiB) TX bytes:0 (0.0 b)
```

```
lo Link encap:Local Loopback  
inet addr:127.0.0.1 Mask:255.0.0.0  
inet6 addr: ::1/128 Scope:Host  
UP LOOPBACK RUNNING MTU:65536 Metric:1  
RX packets:1529 errors:0 dropped:0 overruns:0 frame:0  
TX packets:1529 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:1626226 (1.5 MiB) TX bytes:1626226 (1.5 MiB)
```

```
[root@cmssrv228 ~]# ethtool -i eth0
```

```
driver: ixgbe  
version: 3.19.1-k  
firmware-version: 0x8000037c  
bus-info: 0000:03:00.0  
supports-statistics: yes  
supports-test: yes  
supports-eeprom-access: yes  
supports-register-dump: yes  
supports-priv-flags: no
```

```
[root@cmssrv228 ~]#  
[root@cmssrv228 ~]# facter kernelrelease
```

```
2.6.32-504.12.2.el6.x86_64
```

```
[root@cmssrv228 ~]# df  
Filesystem 1K-blocks Used Available Use% Mounted on  
/dev/sda2 41284928 6774068 32413708 18% /  
tmpfs 32975400 0 32975400 0% /dev/shm  
/dev/sda1 1032088 122688 856972 13% /boot  
/dev/sda5 898341304 142907900 709793572 17% /storage/local/data1  
cmschimera.fnal.gov:/pnfs  
1125899906842624 23071111835200 1102828795007424 3% /pnfs  
cmschimeradisk.fnal.gov:/dcache  
1125899906842624 11045826174976 1114854080667648 1% /dcache
```

```
=====
```

```
cmsphedex-disk.fnal.gov - phedexdisk/production (SLF 6.6)  
8-core Xeon E5430 @ 2.66GHz (PowerEdge 1950); 31.35 GB RAM, 16.00 GB swap
```

```
[root@cmsphedex-disk ~]# su - cmsprod  
-bash-4.1$ cd siteconfs/siteconf-fnaldisk.4.1.3-comp3-1.0  
-bash-4.1$ ./pmgr Dev stop  
Wed Aug 5 10:01:19 2015: Waiting for agents: download-tier1(10808), blockverify(10832)  
All agents successfully terminated  
T1 disk pmgr: stop Dev  
-bash-4.1$ ./pmgr Debug stop  
Wed Aug 5 10:01:28 2015: Waiting for agents: watchdog(1564), download-remove(1115), blockverify(1155), download-tier1(1131)  
All agents successfully terminated  
T1 disk pmgr: stop Debug  
-bash-4.1$ ./pmgr Prod stop  
Wed Aug 5 10:01:39 2015: Waiting for agents: download-tier1(1627), download-remove(1591), download-tier2(1635), watchdog(2083)  
All agents successfully terminated
```

```
T1 disk pmgr: stop Prod
-bash-4.1$ exit
logout
[root@cmsphedex-disk ~]# reboot now
```

```
Broadcast message from root@cmsphedex-disk.fnal.gov
(/dev/pts/0) at 10:01 ...
```

```
The system is going down for reboot NOW!
[root@cmsphedex-disk ~]# Connection to cmsphedex-disk closed by remote host.
Connection to cmsphedex-disk closed.
```

```
Looking at the console: failed to mount /dcache disk
```

```
ADDRCONF: eth1: link becomes ready
Starting rpcbind: [ OK ]
Starting NFS statd: [ OK ]
Starting kdump:[ OK ]
Starting system message bus: [ OK ]
Starting cups: [ OK ]
NFS filesystems queued to be mounted
Mounting filesystems: mount.nfs: Failed to resolve server cmschimeradisk.fnal.gov: Temporary failure in name resolution
RPC: Registered named UNIX socket transport module.
RPC: Registered udp transport module.
RPC: Registered tcp transport module.
RPC: Registered tcp NFSv4.1 backchannel transport module.
Slow work thread pool: Starting up
Slow work thread pool: Ready
FS-Cache: Loaded
NFS: Registering the id_resolver key type
FS-Cache: Netfs 'nfs' registered for caching
[FAILED]
```

```
Fixed with a manual mount:
cmsphedex-disk.fnal.gov - phedexdisk/production (SLF 6.6)
8-core Xeon E5430 @ 2.66GHz (PowerEdge 1950); 31.35 GB RAM, 16.00 GB swap
```

```
[root@cmsphedex-disk ~]# df
Filesystem            1K-blocks      Used    Available Use% Mounted on
/dev/sda3             270691880    72515796  184419004 29% /
tmpfs                 16437888      0    16437888  0% /dev/shm
/dev/sda1              999320      91712     855180 10% /boot
cmschimera.fnal.gov:/pnfs
1125899906842624 23071111835232 1102828795007392  3% /pnfs
[root@cmsphedex-disk ~]# mount
/dev/sda3 on / type ext4 (rw)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw,gid=5,mode=620)
tmpfs on /dev/shm type tmpfs (rw)
/dev/sda1 on /boot type ext4 (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
sunrpc on /var/lib/nfs/rpc_pipefs type rpc_pipefs (rw)
cmschimera.fnal.gov:/pnfs on /pnfs type nfs (rw,noatime,nodiratime,nfsvers=3,intr,hard,noac,rsize=65536,wsiz=65536,noacl,addr=131.225.204.184)
[root@cmsphedex-disk ~]# df
Filesystem            1K-blocks      Used    Available Use% Mounted on
/dev/sda3             270691880    72515796  184419004 29% /
tmpfs                 16437888      0    16437888  0% /dev/shm
/dev/sda1              999320      91712     855180 10% /boot
cmschimera.fnal.gov:/pnfs
1125899906842624 23071111835232 1102828795007392  3% /pnfs
[root@cmsphedex-disk ~]# cat /etc/fstab
```

1. HEADER: This file was autogenerated at Tue Apr 07 15:20:42 -0500 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

```
#
```

1. /etc/fstab
2. Created by anaconda on Wed Nov 20 02:02:16 2013 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #  
 UUID=40efab39-6270-4950-a83a-d094a21e1074 / ext4 defaults 1 1  
 UUID=4460fe9c-6e1b-4eca-afe8-04458c802673 /boot ext4 defaults 1 2  
 UUID=df1070a7-09ea-421b-8d9a-b6d138e092d6 swap swap defaults 0 0

```

tmpfs /dev/shm tmpfs defaults 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
#cmssrmdisk:/dcache /dcache nfs nfsvers=3,intr,hard,rw,noacl,noatime,nodiratime 1 1
#cmschimeradisk.fnal.gov:/dcache /dcache nfs minorversion=1,intr,hard,rw,noac,rsz=65536,wsz=65536,noacl,noatime,nodiratime 1
1
cmschimeradisk.fnal.gov:/dcache /dcache nfs rw,noatime,nodiratime,nfsvers=3,intr,hard,noac,rsz=65536,wsz=65536,noacl 1 1
#cmschimera.fnal.gov:/pnfs /pnfs nfs minorversion=1,intr,hard,rw,noac,rsz=65536,wsz=65536,noacl,noatime,nodiratime 1 1
cmschimera.fnal.gov:/pnfs /pnfs nfs rw,noatime,nodiratime,nfsvers=3,intr,hard,noac,rsz=65536,wsz=65536,noacl 1 1
[root@cmsphedex-disk ~]# mount -a
[root@cmsphedex-disk ~]# df
Filesystem            1K-blocks      Used   Available Use% Mounted on
/dev/sda3              270691880    72515796  184419004 29% /
tmpfs                  16437888      0    16437888  0% /dev/shm
/dev/sda1              999320       91712    855180  10% /boot
cmschimera.fnal.gov:/pnfs
1125899906842624 23071111835232 1102828795007392  3% /pnfs
cmschimeradisk.fnal.gov:/dcache
1125899906842624 11045826174976 1114854080667648  1% /dcache
[root@cmsphedex-disk ~]# facter kernelrelease
2.6.32-504.12.2.el6.x86_64

```

```

=====
cmsphedex-lpc.fnal.gov - phedexlpc/production (SLF 6.6)
16-core Xeon E5530 @ 2.40GHz (PowerEdge R410); 23.46 GB RAM, 48.00 GB swap
[root@cmsphedex-lpc ~]# su - cmsprod
-bash-4.1$ cd /home/cmsprod/siteconfs/siteconf-fnallpc.4.1.3-comp3-1.0/
-bash-4.1$ ./pmgr Dev stop
All agents sucessfully terminated
T3 lpc pmgr: stop Dev
-bash-4.1$ ./pmgr Debug stop
Wed Aug  5 10:30:57 2015: Waiting for agents: blockverify(20766), watchdog(20989), download-remove(20747)
All agents sucessfully terminated
T3 lpc pmgr: stop Debug
-bash-4.1$ ./pmgr Prod stop
All agents sucessfully terminated
T3 lpc pmgr: stop Prod
-bash-4.1$ reboot now
reboot: Need to be root
-bash-4.1$ exit
logout
[root@cmsphedex-lpc ~]# reboot now

```

Broadcast message from [root@cmsphedex-lpc.fnal.gov](mailto:root@cmsphedex-lpc.fnal.gov) (/dev/pts/1) at 10:31 ...

The system is going down for reboot NOW!

Broadcast message from [root@cmsphedex-lpc.fnal.gov](mailto:root@cmsphedex-lpc.fnal.gov) (/dev/pts/1) at 10:31 ...

The system is going down for reboot NOW!

```

[root@cmsphedex-lpc ~]# Connection to cmsphedex-lpc closed by remote host.
Connection to cmsphedex-lpc closed.
[root@cmsadmin1 ~]#

```

```

cmsphedex-lpc.fnal.gov - phedexlpc/production (SLF 6.6)
16-core Xeon E5530 @ 2.40GHz (PowerEdge R410); 23.46 GB RAM, 48.00 GB swap
[root@cmsphedex-lpc ~]# df
Filesystem            1K-blocks      Used   Available Use% Mounted on
/dev/sda3              270691880    5880192  251054608  3% /
tmpfs                  12297448      0    12297448  0% /dev/shm
/dev/sda1              999320       87264    859628  10% /boot
eosmain               7496794587136 2930322004548 4566472582588 40% /eos/uscms
[root@cmsphedex-lpc ~]# less /var/log/messages
[root@cmsphedex-lpc ~]# facter kernelrelease
2.6.32-504.12.2.el6.x86_64
[root@cmsphedex-lpc ~]# uptime
10:51:32 up 16 min,  2 users,  load average: 0.01, 0.05, 0.07

```

The console has message about promiscuous mode - sent email to dcso/ecf-cis

```

[root@cmsphedex-lpc ~]# su - cmsprod
-bash-4.1$ cd /home/cmsprod/siteconfs/siteconf-fnallpc.4.1.3-comp3-1.0/

```



```

-bash-4.1$ ./pmgr Dev start
Testing your DB connection
2015-08-05 15:53:32: CheckDBConnection10342: (re)connecting to database
2015-08-05 15:53:34: CheckDBConnection10342: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Dev/T3USFNALLPC succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/exp-pfn//stop
FileExport: pid 10351 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download-remove//stop
FileRemove: pid 10358 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download//stop
FileDownload: pid 10366 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/blockverify//stop
BlockDownloadVerify: pid 10374 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/watchdog//stop
2015-08-05 15:53:38: Watchdog10380: starting Agent session (id=2)
2015-08-05 15:53:38: Watchdog10380: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 15:53:38: Watchdog10380: has successfully initialised
2015-08-05 15:53:38: Watchdog10380: debug: Agent was loaded DB=>1, CYCLE=1, DROPBOX=1
2015-08-05 15:53:38: Watchdog10380: Lookup agent "download-remove"
2015-08-05 15:53:38: Watchdog10380: Lookup agent "download"
2015-08-05 15:53:38: Watchdog10380: Lookup agent "exp-pfn"
2015-08-05 15:53:38: Watchdog10380: Lookup agent "blockverify"
2015-08-05 15:53:38: Watchdog10380: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn
2015-08-05 15:53:38: Watchdog10380: (re)connecting to database
2015-08-05 15:53:38: Watchdog10380: Creating new private DBH
Watchdog: pid 10591 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/watchdog/
T3 ipc pmgr: start Dev
-bash-4.1$ ./pmgr Debug start
Testing your DB connection
2015-08-05 15:53:45: CheckDBConnection10595: (re)connecting to database
2015-08-05 15:53:46: CheckDBConnection10595: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Debug/T3USFNALLPC succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/exp-pfn//stop
FileExport: pid 10605 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download-remove//stop
FileRemove: pid 10612 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download//stop
FileDownload: pid 10620 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/blockverify//stop
BlockDownloadVerify: pid 10628 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/watchdog//stop
2015-08-05 15:53:49: Watchdog10634: starting Agent session (id=2)
2015-08-05 15:53:49: Watchdog10634: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 15:53:49: Watchdog10634: has successfully initialised
2015-08-05 15:53:49: Watchdog10634: Lookup agent "download-remove"
2015-08-05 15:53:49: Watchdog10634: Lookup agent "download"
2015-08-05 15:53:49: Watchdog10634: Lookup agent "exp-pfn"
2015-08-05 15:53:49: Watchdog10634: Lookup agent "blockverify"
2015-08-05 15:53:49: Watchdog10634: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn
2015-08-05 15:53:49: Watchdog10634: (re)connecting to database
Watchdog: pid 10846 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/watchdog/
T3 ipc pmgr: start Debug
-bash-4.1$ ./pmgr Prod start
Testing your DB connection
2015-08-05 15:55:35: CheckDBConnection10965: (re)connecting to database
2015-08-05 15:55:37: CheckDBConnection10965: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Prod/T3USFNALLPC succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/exp-pfn//stop
FileExport: pid 10974 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download-remove//stop
FileRemove: pid 10981 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download//stop
FileDownload: pid 10989 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/blockverify//stop
BlockDownloadVerify: pid 10997 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/watchdog//stop
2015-08-05 15:55:40: Watchdog11003: starting Agent session (id=2)
2015-08-05 15:55:40: Watchdog11003: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 15:55:40: Watchdog11003: has successfully initialised
2015-08-05 15:55:40: Watchdog11003: Lookup agent "download-remove"
2015-08-05 15:55:40: Watchdog11003: Lookup agent "download"
2015-08-05 15:55:40: Watchdog11003: Lookup agent "exp-pfn"

```

```
2015-08-05 15:55:40: Watchdog11003: Lookup agent "blockverify"  
2015-08-05 15:55:40: Watchdog11003: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn  
2015-08-05 15:55:40: Watchdog11003: (re)connecting to database  
Watchdog: pid 11215 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/watchdog/  
T3 lpc pmgr: start Prod  
-bash-4.1$
```

### #3 - 08/05/2015 11:41 AM - Natalia Ratnikova

Start at 11:00

Open shell sessions on cmsdcacheadmindisk cmssrmdisk cmschimeradisk

Disable puppet on all three nodes:

```
puppet agent --disable "Down time Aug5th"
```

puppet service still runs but does nothing.

Stop dcache services: srm, admin, chimera

```
[root@cmssrmdisk ~]# service dcache-server stop  
Stopping transfermanagersDomain 0 1 done  
Stopping srm-cmssrmdiskDomain 0 1 2 3 done  
Stopping gPlazmaDomain 0 done  
Stopping utilityDomain 0 done  
Stopping xrootdLFNs-cmssrmdiskDomain 0 1 2 3 4 5 6 7 8 9 [K] 10 done  
Stopping xrootd-cmssrmdiskDomain 0 done  
Stopping gsidcap-cmssrmdiskDomain 0 1 done  
Stopping authdcap-cmssrmdiskDomain 0 1 done  
Stopping dcap-cmssrmdiskDomain 0 done  
Stopping nfsDomain.v3 0 done  
[root@cmssrmdisk ~]#
```

```
root@cmsdcacheadmindisk ~]# service dcache-server stop  
Stopping dCacheDomain 0 1 2 3 4 5 done  
Stopping adminDoorDomain 0 1 done  
Stopping httpdDomain 0 1 2 3 4 done  
Stopping billingDomain 0 1 done  
Stopping dirDomain 0 done  
[root@cmsdcacheadmindisk ~]#
```

```
[root@cmschimeradisk ~]# service dcache-server stop  
Stopping nfsDomain 0 done  
Stopping namespaceDomain 0 done  
[root@cmschimeradisk ~]#
```

=====

```
[root@cmsdcacheadmindisk ~]# yum clean all;  
Loaded plugins: priorities, security  
Cleaning repos: epel osg postgresql92 puppet puppet-deps slf slf-collections  
: slf-security slf-source uscmst1  
Cleaning up Everything
```

```
[root@cmsdcacheadmindisk ~]# yum update y
```

Loaded plugins: priorities, security

Setting up Update Process

```
epel | 3.8 kB | 00:00  
epel/primary_db | 6.4 MB | 00:00  
osg | 2.5 kB | 00:00  
osg/primary_db | 407 kB | 00:00  
postgresql92 | 2.5 kB | 00:00  
postgresql92/primary_db | 129 kB | 00:00  
puppet | 2.5 kB | 00:00  
puppet/primary_db | 17 kB | 00:00  
puppet-deps | 2.5 kB | 00:00  
puppet-deps/primary_db | 17 kB | 00:00  
slf | 3.6 kB | 00:00  
slf/primary_db | 4.2 MB | 00:00  
slf-collections | 2.9 kB | 00:00  
slf-collections/primary_db | 1.1 MB | 00:00  
slf-security | 2.9 kB | 00:00  
slf-security/primary_db | 4.1 MB | 00:00  
slf-source | 2.6 kB | 00:00  
slf-source/primary_db | 2.2 MB | 00:00
```

ucsmst1 | 2.5 kB 00:00  
ucsmst1/primary\_db | 141 kB 00:00

582 packages excluded due to repository priority protections

Resolving Dependencies

--> Running transaction check

--> Package kernel.x86\_64 0:2.6.32-504.30.3.el6 will be installed  
--> Package kernel-firmware.noarch 0:2.6.32-504.23.4.el6 will be updated  
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update  
--> Package kernel-headers.x86\_64 0:2.6.32-504.8.1.slf6 will be updated  
--> Package kernel-headers.x86\_64 0:2.6.32-504.30.3.el6 will be an update  
--> Finished Dependency Resolution  
--> Running transaction check  
--> Package kernel.x86\_64 0:2.6.32-504.8.1.el6 will be erased  
--> Finished Dependency Resolution

Dependencies Resolved

| Package         | Arch   | Version             | Repository    | Size  |
|-----------------|--------|---------------------|---------------|-------|
| Installing:     |        |                     |               |       |
| kernel          | x86_64 | 2.6.32-504.30.3.el6 | slf-security  | 29 M  |
| Updating:       |        |                     |               |       |
| kernel-firmware | noarch | 2.6.32-504.30.3.el6 | slf-security  | 14 M  |
| kernel-headers  | x86_64 | 2.6.32-504.30.3.el6 | slf-security  | 3.4 M |
| Removing:       |        |                     |               |       |
| kernel          | x86_64 | 2.6.32-504.8.1.el6  | @slf-security | 124 M |

Transaction Summary =====

Install 1 Package(s)  
Upgrade 2 Package(s)  
Remove 1 Package(s)

Total download size: 47 M

Downloading Packages:

(1/3): kernel-2.6.32-504.30.3.el6.x86\_64.rpm | 29 MB 00:00  
(2/3): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm | 14 MB 00:00  
(3/3): kernel-headers-2.6.32-504.30.3.el6.x86\_64.rpm | 3.4 MB 00:00

-----  
Total 52 MB/s | 47 MB 00:00

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Updating : kernel-firmware-2.6.32-504.30.3.el6.noarch 1/6  
Installing : kernel-2.6.32-504.30.3.el6.x86\_64 2/6  
Updating : kernel-headers-2.6.32-504.30.3.el6.x86\_64 3/6  
Cleanup : kernel-2.6.32-504.8.1.el6.x86\_64 4/6  
Cleanup : kernel-firmware-2.6.32-504.23.4.el6.noarch 5/6  
Cleanup : kernel-headers-2.6.32-504.8.1.slf6.x86\_64 6/6  
Verifying : kernel-headers-2.6.32-504.30.3.el6.x86\_64 1/6

Verifying : kernel-2.6.32-504.30.3.el6.x86\_64 2/6

Verifying : kernel-firmware-2.6.32-504.30.3.el6.noarch 3/6

Verifying : kernel-headers-2.6.32-504.8.1.slf6.x86\_64 4/6

Verifying : kernel-2.6.32-504.8.1.el6.x86\_64 5/6

Verifying : kernel-firmware-2.6.32-504.23.4.el6.noarch 6/6

Removed:

kernel.x86\_64 0:2.6.32-504.8.1.el6

Installed:

kernel.x86\_64 0:2.6.32-504.30.3.el6

Updated:

kernel-firmware.noarch 0:2.6.32-504.30.3.el6  
0:2.6.32-504.30.3.el6

kernel-headers.x86\_64

Complete!

[root@cmsdcacheadmindisk ~]# facter kernelrelease

```
2.6.32-504.8.1.slf6.x86_64
[root@cmsdcacheadmin disk ~]# reboot
```

```
Broadcast message from root@cmsdcacheadmin disk.fnal.gov
(/dev/pts/0) at 11:19 ...
```

```
The system is going down for reboot NOW!
[root@cmsdcacheadmin disk ~]# Connection to cmsdcacheadmin disk closed by remote host.
Connection to cmsdcacheadmin disk closed.
[root@cmsadmin1 ~]#
```

```
root@cmsdcacheadmin disk ~]# dcache status
DOMAIN      STATUS PID USER
dirDomain   running 8152 root
billingDomain running 8226 root
httpdDomain running 8313 root
adminDoorDomain running 8398 root
dCacheDomain running 8487 root
[root@cmsdcacheadmin disk ~]# dcache stop
Stopping dCacheDomain 0 1 done
Stopping adminDoorDomain 0 done
Stopping httpdDomain 0 1 done
Stopping billingDomain 0 done
Stopping dirDomain 0 done
[root@cmsdcacheadmin disk ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmsdcacheadmin disk ~]#
cmsdcacheadmin disk.fnal.gov - dcacheadmin disk/production (SLF 6.6)
32-core Opteron 6320 (H8QG6); 62.89 GB RAM, 16.00 GB swap
[root@cmsdcacheadmin disk ~]# dcache status
DOMAIN      STATUS PID USER
dirDomain   running 8152 root
billingDomain running 8226 root
httpdDomain running 8313 root
adminDoorDomain running 8398 root
dCacheDomain running 8487 root
[root@cmsdcacheadmin disk ~]# dcache stop
Stopping dCacheDomain 0 1 done
Stopping adminDoorDomain 0 done
Stopping httpdDomain 0 1 done
Stopping billingDomain 0 done
Stopping dirDomain 0 done
[root@cmsdcacheadmin disk ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmsdcacheadmin disk ~]# service postgresql status
postgresql: unrecognized service
[root@cmsdcacheadmin disk ~]# service postgresql-9.2 status
(pid 7439) is running...
[root@cmsdcacheadmin disk ~]#
[root@cmsdcacheadmin disk ~]# uptime
11:32:11 up 9 min, 2 users, load average: 0.00, 0.14, 0.13
```

```
=====
```

```
[root@cmsrmdisk ~]# yum clean all;
Loaded plugins: priorities, security
Cleaning repos: epel osg postgresql92 puppet puppet-deps slf slf-collections
: slf-security slf-source uscmst1
Cleaning up Everything
[root@cmsrmdisk ~]# yum update y
Loaded plugins: priorities, security
Setting up Update Process
epel | 3.8 kB | 00:00
epel/primary_db | 6.4 MB | 00:00
osg | 2.5 kB | 00:00
osg/primary_db | 407 kB | 00:00
postgresql92 | 2.5 kB | 00:00
postgresql92/primary_db | 120 kB | 00:00
puppet | 2.5 kB | 00:00
puppet/primary_db | 17 kB | 00:00
puppet-deps | 2.5 kB | 00:00
puppet-deps/primary_db | 17 kB | 00:00
slf | 3.6 kB | 00:00
slf/primary_db | 4.2 MB | 00:00
slf-collections | 2.9 kB | 00:00
```

```

slf-collections/primary_db | 1.1 MB 00:00
slf-security | 2.9 kB 00:00
slf-security/primary_db | 4.1 MB 00:00
slf-source | 2.6 kB 00:00
slf-source/primary_db | 2.2 MB 00:00
usemst1 | 2.5 kB 00:00
usemst1/primary_db | 141 kB 00:00
582 packages excluded due to repository priority protections

```

**Resolving Dependencies**

```

-> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
--> Package kernel-firmware.noarch 0:2.6.32-504.23.4.el6 will be updated
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
--> Package kernel-headers.x86_64 0:2.6.32-504.8.1.slf6 will be updated
--> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
--> Finished Dependency Resolution
--> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.8.1.el6 will be erased
factor kernelrelease
--> Finished Dependency Resolution

```

**Dependencies Resolved**

```

=====
Package      Arch    Version           Repository        Size
=====
Installing:
kernel       x86_64  2.6.32-504.30.3.el6  slf-security     29 M
Updating:
kernel-firmware  noarch 2.6.32-504.30.3.el6  slf-security     14 M
kernel-headers  x86_64 2.6.32-504.30.3.el6  slf-security     3.4 M
Removing:
kernel       x86_64 2.6.32-504.8.1.el6  @slf-security    124 M

```

**Transaction Summary**

```

=====
Install  1 Package(s)
Upgrade  2 Package(s)
Remove   1 Package(s)

```

Total download size: 47 M

**Downloading Packages:**

```

(1/3): kernel-2.6.32-504.30.3.el6.x86_64.rpm | 29 MB 00:00
(2/3): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm | 14 MB 00:00
(3/3): kernel-headers-2.6.32-504.30.3.el6.x86_64.rpm | 3.4 MB 00:00

```

```

-----
Total                               50 MB/s | 47 MB 00:00

```

```

Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded

```

**Running Transaction**

```

Updating   : kernel-firmware-2.6.32-504.30.3.el6.noarch           1/6
Installing : kernel-2.6.32-504.30.3.el6.x86_64                 2/6
Updating   : kernel-headers-2.6.32-504.30.3.el6.x86_64         3/6
Cleanup    : kernel-2.6.32-504.8.1.el6.x86_64                  4/6
Cleanup    : kernel-firmware-2.6.32-504.23.4.el6.noarch         5/6
Cleanup    : kernel-headers-2.6.32-504.8.1.slf6.x86_64         6/6

```

```

Verifying  : kernel-headers-2.6.32-504.30.3.el6.x86_64         1/6
  Verifying : kernel-2.6.32-504.30.3.el6.x86_64                 2/6
  Verifying : kernel-firmware-2.6.32-504.30.3.el6.noarch       3/6
  Verifying : kernel-headers-2.6.32-504.8.1.slf6.x86_64       4/6
  Verifying : kernel-2.6.32-504.8.1.el6.x86_64                 5/6
  Verifying : kernel-firmware-2.6.32-504.23.4.el6.noarch       6/6

```

**Removed:**

```
kernel.x86_64 0:2.6.32-504.8.1.el6
```

**Installed:**

```
kernel.x86_64 0:2.6.32-504.30.3.el6
```

**Updated:**

```
kernel-firmware.noarch 0:2.6.32-504.30.3.el6
kernel-headers.x86_64 0:2.6.32-504.30.3.el6
```

Complete!



```
[root@cmssrmdisk ~]# facter kernelrelease
2.6.32-504.8.1.slf6.x86_64
[root@cmssrmdisk ~]#
[root@cmssrmdisk ~]# reboot
```

Broadcast message from [root@cmssrmdisk.fnal.gov](mailto:root@cmssrmdisk.fnal.gov)  
(/dev/pts/0) at 11:28 ...

```
The system is going down for reboot NOW!
[root@cmssrmdisk ~]# Connection to cmssrmdisk closed by remote host.
Connection to cmssrmdisk closed.
[root@cmsadmin1 ~]#
```

=====

```
cmschimeradisk.fnal.gov - chimeradisk/production (SLF 6.6)
64-core Opteron 6376 (H8QG6); 126.01 GB RAM, 16.00 GB swap
[root@cmschimeradisk ~]# puppet agent --disable "Down time Aug5th"
[root@cmschimeradisk ~]# service dcache-server stop
Stopping nfsDomain 0 done
Stopping namespaceDomain 0 done
[root@cmschimeradisk ~]# service postgresq-9.2 status
postgres-9.2: unrecognized service
[root@cmschimeradisk ~]# service postgresql-9.2 status
(pid 8384) is running...
[root@cmschimeradisk ~]# service postgresql-9.2 stop
Stopping postgresql-9.2 service:          [ OK ]
[root@cmschimeradisk ~]# yum clean all;
Loaded plugins: priorities, security
Cleaning repos: epel osg postgresql92 puppet puppet-deps slf slf-collections
: slf-security slf-source uscmst1
Cleaning up Everything
[root@cmschimeradisk ~]# yum update y
Loaded plugins: priorities, security
Setting up Update Process
```

```
epel | 3.8 kB | 00:00
epel/primary_db | 6.4 MB | 00:00
osg | 2.5 kB | 00:00
osg/primary_db | 407 kB | 00:00
postgresql92 | 2.5 kB | 00:00
postgresql92/primary_db | 120 kB | 00:00
puppet | 2.5 kB | 00:00
puppet/primary_db | 17 kB | 00:00
puppet-deps | 2.5 kB | 00:00
puppet-deps/primary_db | 17 kB | 00:00
slf | 3.6 kB | 00:00
slf/primary_db | 4.2 MB | 00:00
slf-collections | 2.9 kB | 00:00
slf-collections/primary_db | 1.1 MB | 00:00
slf-security | 2.0 kB | 00:00
slf-security/primary_db | 4.1 MB | 00:00
slf-source | 2.6 kB | 00:00
slf-source/primary_db | 2.2 MB | 00:00
uscmst1 | 2.5 kB | 00:00
uscmst1/primary_db | 141 kB | 00:00
```

```
582 packages excluded due to repository priority protections
Resolving Dependencies
-> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
--> Package kernel-firmware.noarch 0:2.6.32-504.23.4.el6 will be updated
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
--> Package kernel-headers.x86_64 0:2.6.32-504.8.1.slf6 will be updated
--> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
--> Finished Dependency Resolution
--> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.8.1.el6 will be erased
facter kernelrelease
--> Finished Dependency Resolution
```

Dependencies Resolved

=====

| Package | Arch | Version | Repository | Size |
|---------|------|---------|------------|------|
|---------|------|---------|------------|------|

=====

Installing:

```
kernel      x86_64  2.6.32-504.30.3.el6  slf-security  29 M
Updating:
kernel-firmware  noarch  2.6.32-504.30.3.el6  slf-security  14 M
kernel-headers  x86_64  2.6.32-504.30.3.el6  slf-security  3.4 M
Removing:
kernel      x86_64  2.6.32-504.8.1.el6   @slf-security 124 M
```

```
Transaction Summary =====
Install  1 Package(s)
Upgrade  2 Package(s)
Remove   1 Package(s)
```

```
Total download size: 47 M
Downloading Packages:
(1/3): kernel-2.6.32-504.30.3.el6.x86_64.rpm | 29 MB  00:00
(2/3): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm | 14 MB  00:00
(3/3): kernel-headers-2.6.32-504.30.3.el6.x86_64.rpm | 3.4 MB  00:00
```

```
-----
Total                    58 MB/s | 47 MB  00:00
```

```
Running rpm_check_debug
```

```
Running Transaction Test
```

```
Transaction Test Succeeded
```

```
Running Transaction
```

```
Updating   : kernel-firmware-2.6.32-504.30.3.el6.noarch           1/6
Installing : kernel-2.6.32-504.30.3.el6.x86_64 [#####] 2/6r Installing : kernel-2.6.32-504.30.3.el6.x86_64           2/6
Updating   : kernel-headers-2.6.32-504.30.3.el6.x86_64         3/6
Cleanup    : kernel-2.6.32-504.8.1.el6.x86_64                   4/6
Cleanup    : kernel-firmware-2.6.32-504.23.4.el6.noarch         5/6
Cleanup    : kernel-headers-2.6.32-504.8.1.slf6.x86_64         6/6
Verifying  : kernel-headers-2.6.32-504.30.3.el6.x86_64         1/6
Verifying  : kernel-2.6.32-504.30.3.el6.x86_64                 2/6
Verifying  : kernel-firmware-2.6.32-504.30.3.el6.noarch       3/6
Verifying  : kernel-headers-2.6.32-504.8.1.slf6.x86_64       4/6
Verifying  : kernel-2.6.32-504.8.1.el6.x86_64                 5/6
Verifying  : kernel-firmware-2.6.32-504.23.4.el6.noarch       6/6
```

```
Removed:
```

```
kernel.x86_64 0:2.6.32-504.8.1.el6
```

```
Installed:
```

```
kernel.x86_64 0:2.6.32-504.30.3.el6
```

```
Updated:
```

```
kernel-firmware.noarch 0:2.6.32-504.30.3.el6
```

```
kernel-headers.x86_64 0:2.6.32-504.30.3.el6
```

```
Complete!
```

```
[root@cmschimeradisk ~]# facter kernelrelease
```

```
2.6.32-504.8.1.slf6.x86_64
```

```
[root@cmschimeradisk ~]# reboot
```

```
Broadcast message from root@cmschimeradisk.fnal.gov
(/dev/pts/0) at 11:32 ...
```

```
The system is going down for reboot NOW!
```

```
[root@cmschimeradisk ~]#
```

```
[root@cmssrmdisk ~]# uptime
```

```
11:33:19 up 1 min, 1 user, load average: 1.28, 0.39, 0.13
```

```
[root@cmssrmdisk ~]# dcache stop
```

```
Stopping transfermanagersDomain 0 1 done
```

```
Stopping srm-cmssrmdiskDomain 0 1 2 3 done
```

```
Stopping gPlazmaDomain 0 done
```

```
Stopping utilityDomain 0 1 2 3 done
```

```
Stopping xrootdLFNs-cmssrmdiskDomain 0 1 done
```

```
Stopping xrootd-cmssrmdiskDomain 0 1 done
```

```
Stopping gsidcap-cmssrmdiskDomain 0 1 done
```

```
Stopping authdcap-cmssrmdiskDomain 0 1 done
```

```
Stopping dcap-cmssrmdiskDomain 0 1 done
```

```
Stopping nfsDomain.v3 0 done
```

```
[root@cmssrmdisk ~]# facter kernelrelease
```

```
2.6.32-504.30.3.el6.x86_64
```

```
=====
```

```
cmschimeradisk.fnal.gov - chimeradisk/production (SLF 6.6)
```

```

64-core Opteron 6376 (H8QG6); 126.01 GB RAM, 16.00 GB swap
[root@cmschimeradisk ~]# puppet agent --disable "Down time Aug5th"
[root@cmschimeradisk ~]# service dcache-server stop
Stopping nfsDomain 0 done
Stopping namespaceDomain 0 done
[root@cmschimeradisk ~]# service postgresq-9.2 status
postgresq-9.2: unrecognized service
[root@cmschimeradisk ~]# service postgresql-9.2 status
(pid 8384) is running...
[root@cmschimeradisk ~]# service postgresql-9.2 stop
Stopping postgresql-9.2 service:          [ OK ]
[root@cmschimeradisk ~]# yum clean all;
Loaded plugins: priorities, security
Cleaning repos: epel osg postgresql92 puppet puppet-deps slf slf-collections
: slf-security slf-source uscmst1
Cleaning up Everything
[root@cmschimeradisk ~]# yum update y
Loaded plugins: priorities, security
Setting up Update Process
epel | 3.8 kB 00:00
epel/primary_db | 6.4 MB 00:00
osg | 2.5 kB 00:00
osg/primary_db | 407 kB 00:00
postgresql92 | 2.5 kB 00:00
postgresql92/primary_db | 120 kB 00:00
puppet | 2.5 kB 00:00
puppet/primary_db | 17 kB 00:00
puppet deps | 2.5 kB 00:00
puppet deps/primary_db | 17 kB 00:00
slf | 3.6 kB 00:00
slf/primary_db | 4.2 MB 00:00
slf collections | 2.9 kB 00:00
slf collections/primary_db | 1.1 MB 00:00
slf security | 2.9 kB 00:00
slf security/primary_db | 4.1 MB 00:00
slf source | 2.6 kB 00:00
slf source/primary_db | 2.2 MB 00:00
uscmst1 | 2.5 kB 00:00
uscmst1/primary_db | 141 kB 00:00
582 packages excluded due to repository priority protections
Resolving Dependencies
-> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
--> Package kernel-firmware.noarch 0:2.6.32-504.23.4.el6 will be updated
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
--> Package kernel-headers.x86_64 0:2.6.32-504.8.1.slf6 will be updated
--> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
--> Finished Dependency Resolution
--> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.8.1.el6 will be erased
facter kernelrelease
--> Finished Dependency Resolution

```

Dependencies Resolved

```

=====
Package      Arch    Version      Repository      Size
=====
Installing:
kernel       x86_64  2.6.32-504.30.3.el6  slf-security    29 M
Updating:
kernel-firmware noarch  2.6.32-504.30.3.el6  slf-security    14 M
kernel-headers x86_64  2.6.32-504.30.3.el6  slf-security    3.4 M
Removing:
kernel       x86_64  2.6.32-504.8.1.el6   @slf-security   124 M

```

```

Transaction Summary =====
Install  1 Package(s)
Upgrade  2 Package(s)
Remove   1 Package(s)

```

```

Total download size: 47 M
Downloading Packages:
(1/3): kernel-2.6.32-504.30.3.el6.x86_64.rpm | 29 MB 00:00
(2/3): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm | 14 MB 00:00

```

(3/3): kernel-headers-2.6.32-504.30.3.el6.x86\_64.rpm | 3.4 MB 00:00

-----  
Total 58 MB/s | 47 MB 00:00

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Updating : kernel-firmware-2.6.32-504.30.3.el6.noarch 1/6

Installing : kernel-2.6.32-504.30.3.el6.x86\_64 ] 2/6r Installing : kernel-2.6.32-504.30.3.el6.x86\_64 2/6

Updating : kernel-headers-2.6.32-504.30.3.el6.x86\_64 3/6

Cleanup : kernel-2.6.32-504.8.1.el6.x86\_64 4/6

Cleanup : kernel-firmware-2.6.32-504.23.4.el6.noarch 5/6

Cleanup : kernel-headers-2.6.32-504.8.1.slf6.x86\_64 6/6

Verifying : kernel-headers-2.6.32-504.30.3.el6.x86\_64 1/6

Verifying : kernel-2.6.32-504.30.3.el6.x86\_64 2/6

Verifying : kernel-firmware-2.6.32-504.30.3.el6.noarch 3/6

Verifying : kernel-headers-2.6.32-504.8.1.slf6.x86\_64 4/6

Verifying : kernel-2.6.32-504.8.1.el6.x86\_64 5/6

Verifying : kernel-firmware-2.6.32-504.23.4.el6.noarch 6/6

Removed:

kernel.x86\_64 0:2.6.32-504.8.1.el6

Installed:

kernel.x86\_64 0:2.6.32-504.30.3.el6

Updated:

kernel-firmware.noarch 0:2.6.32-504.30.3.el6

kernel-headers.x86\_64 0:2.6.32-504.30.3.el6

Complete!

[root@cmschimeradisk ~]# facter kernelrelease

2.6.32-504.8.1.slf6.x86\_64

[root@cmschimeradisk ~]# reboot

Broadcast message from [root@cmschimeradisk.fnal.gov](mailto:root@cmschimeradisk.fnal.gov)

(/dev/pts/0) at 11:32 ...

The system is going down for reboot NOW!

[root@cmschimeradisk ~]# Connection to cmschimeradisk closed by remote host.

Connection to cmschimeradisk closed.

[root@cmsadmin1 ~]#

cmschimeradisk.fnal.gov - chimeradisk/production (SLF 6.6)

64-core Opteron 6376 (H8QG6); 126.01 GB RAM, 16.00 GB swap

[root@cmschimeradisk ~]# dcache status

DOMAIN STATUS PID USER

namespaceDomain running 8614 root

nfsDomain running 8716 root

[root@cmschimeradisk ~]# service postgresql-9.2 status

(pid 8144) is running...

[root@cmschimeradisk ~]# dcache stop

Stopping nfsDomain 0 done

Stopping namespaceDomain 0 upt1 ime

kdone

e[root@cmschimeradisk ~]# uptime

11:39:58 up 1 min, 1 user, load average: 0.55, 0.30, 0.11

[root@cmschimeradisk ~]# facter kernelrelease

2.6.32-504.30.3.el6.x86\_64

[root@cmschimeradisk ~]# =====

#### #4 - 08/05/2015 11:59 AM - Natalia Ratnikova

Tape instance dcache is done: upgrade kernel on restart cmssrv228 abnd start agents again

cmssrv228.fnal.gov - phedextape/production (SLF 6.6)

16-core Opteron 6320 (H8DGU); 62.90 GB RAM, 20.00 GB swap

[root@cmssrv228 ~]# facter kernelrelease

2.6.32-504.12.2.el6.x86\_64

[root@cmssrv228 ~]# yum clean all

Loaded plugins: priorities, security

Cleaning repos: eos epel osg puppet puppet-deps slf slf-collections

: slf-security slf-source slf6x slf6x-security uscmst1

Cleaning up Everything

[root@cmssrv228 ~]# yum update y

Loaded plugins: priorities, security

Setting up Update Process

```

eos | 2.5 kB | 00:00
eos/primary_db | 332 kB | 00:00
epel | 3.8 kB | 00:00
epel/primary_db | 6.4 MB | 00:00
esg | 2.5 kB | 00:00
esg/primary_db | 407 kB | 00:00
puppet | 2.5 kB | 00:00
puppet/primary_db | 17 kB | 00:00
puppet deps | 2.5 kB | 00:00
puppet deps/primary_db | 17 kB | 00:00
slf | 3.6 kB | 00:00
slf/primary_db | 4.2 MB | 00:00
slf collections | 2.9 kB | 00:00
slf collections/primary_db | 1.1 MB | 00:00
slf security | 2.9 kB | 00:00
slf security/primary_db | 4.1 MB | 00:00
slf source | 2.6 kB | 00:00
slf source/primary_db | 2.2 MB | 00:00
slf6x | 3.6 kB | 00:00
slf6x/primary_db | 4.2 MB | 00:00
slf6x security | 2.9 kB | 00:00
slf6x security/primary_db | 4.1 MB | 00:00
usemst1 | 2.5 kB | 00:00
usemst1/primary_db | 141 kB | 00:00

```

7924 packages excluded due to repository priority protections

Resolving Dependencies

```

-> Running transaction check
--> Package eos-client.x86_64 0:0.3.111-aquamarine.slc6 will be updated
--> Package eos-client.x86_64 0:0.3.125-aquamarine.slc6 will be an update
--> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
--> Package kernel-firmware.noarch 0:2.6.32-504.12.2.el6 will be updated
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
--> Package kernel-headers.x86_64 0:2.6.32-504.12.2.el6 will be updated
--> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
--> Finished Dependency Resolution
-> Running transaction check
--> Package kernel.x86_64 0:2.6.32-504.8.1.el6 will be erased
reboot--> Finished Dependency Resolution

```

Dependencies Resolved

```

=====
=====
=====

```

| Package         | Arch   | Version                 |
|-----------------|--------|-------------------------|
| Repository      | Size   |                         |
| =====           |        |                         |
| Installing:     |        |                         |
| kernel          | x86_64 | 2.6.32-504.30.3.el6     |
| slf-security    | 29 M   |                         |
| Updating:       |        |                         |
| eos-client      | x86_64 | 0.3.125-aquamarine.slc6 |
| eos             | 622 k  |                         |
| kernel-firmware | noarch | 2.6.32-504.30.3.el6     |
| slf-security    | 14 M   |                         |
| kernel-headers  | x86_64 | 2.6.32-504.30.3.el6     |
| slf-security    | 3.4 M  |                         |
| Removing:       |        |                         |
| kernel          | x86_64 | 2.6.32-504.8.1.el6      |
| @slf-security   | 124 M  |                         |

Transaction Summary

```

=====
=====
Install 1 Package(s)
Upgrade 3 Package(s)
Remove 1 Package(s)

Total download size: 48 M
Downloading Packages:
(1/4): eos-client-0.3.125-aquamarine.slc6.x86_64.rpm

```



```
| 622 kB 00:00
(2/4): kernel-2.6.32-504.30.3.el6.x86_64.rpm
| 29 MB 00:00
(3/4): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm
| 14 MB 00:00
(4/4): kernel-headers-2.6.32-504.30.3.el6.x86_64.rpm
| 3.4 MB 00:00
```

---

```
Total
57 MB/s | 48 MB 00:00
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
Updating : kernel-firmware-2.6.32-504.30.3.el6.noarch
1/8
Installing : kernel-2.6.32-504.30.3.el6.x86_64
2/8
Updating : eos-client-0.3.125-aquamarine.slc6.x86_64
3/8
Updating : kernel-headers-2.6.32-504.30.3.el6.x86_64
4/8
Cleanup : kernel-2.6.32-504.8.1.el6.x86_64
5/8
Cleanup : kernel-firmware-2.6.32-504.12.2.el6.noarch
6/8
Cleanup : kernel-headers-2.6.32-504.12.2.el6.x86_64
7/8
Cleanup : eos-client-0.3.111-aquamarine.slc6.x86_64
8/8
Verifying : kernel-headers-2.6.32-504.30.3.el6.x86_64
1/8
Verifying : eos-client-0.3.125-aquamarine.slc6.x86_64
2/8
Verifying : kernel-2.6.32-504.30.3.el6.x86_64
3/8
Verifying : kernel-firmware-2.6.32-504.30.3.el6.noarch
4/8
Verifying : kernel-headers-2.6.32-504.12.2.el6.x86_64
5/8
Verifying : eos-client-0.3.111-aquamarine.slc6.x86_64
6/8
Verifying : kernel-2.6.32-504.8.1.el6.x86_64
7/8
Verifying : kernel-firmware-2.6.32-504.12.2.el6.noarch
8/8
```

```
Removed:
kernel.x86_64 0:2.6.32-504.8.1.el6
```

```
Installed:
kernel.x86_64 0:2.6.32-504.30.3.el6
```

```
Updated:
eos-client.x86_64 0:0.3.125-aquamarine.slc6                kernel-firmware.noarch 0:2.6.32-504.30.3.el6
kernel-headers.x86_64 0:2.6.32-504.30.3.el6
```

```
Complete!
[root@cmssrv228 ~]# reboot
```

```
Broadcast message from root@cmssrv228.fnal.gov
(/dev/pts/0) at 11:44 ...
```

```
The system is going down for reboot NOW!
[root@cmssrv228 ~]# Connection to cmssrv228 closed by remote host.
Connection to cmssrv228 closed.
[root@cmsadmin1 ~]#
```

```
Node did not actually reboot, so power cycle was done:
```

```
[root@cmsconsole ~]# cmspower-powerit -a status cmssrv228 === cmssrv228 ===
connecting to APC APCCMS1574-1, outlet 15
Outlet state: ON
[root@cmsconsole ~]# cmspower-powerit -a cycle -c "Reboot for kernel upgrade " cmssrv228 === cmssrv228 ===
```

connecting to APC APCCMS1574-1, outlet 15  
Outlet state: OFF  
connecting to APC APCCMS1574-1, outlet 15  
Outlet state: ON

Meanwhile Chih-Hao said he needs to do more work on the Tape instance (test that postgresql-9.2 comes up properly on reboot) , so I defer agents start until then.

Also nfs mount for disk instance will fail, because chimera services are down.

The console shows a failure:  
NFS filesystems queued to be mounted  
Mounting filesystems: RPC: Registered named UNIX socket transport module.  
RPC: Registered udp transport module.  
RPC: Registered tcp transport module.  
RPC: Registered tcp NFSv4.1 backchannel transport module.  
Slow work thread pool: Starting up  
Slow work thread pool: Ready  
FS-Cache: Loaded  
NFS: Registering the id\_resolver key type  
FS-Cache: Netfs 'nfs' registered for caching  
nfs4filelayout\_init: NFSv4 File Layout Driver Registering...  
mount.nfs: Connection timed out  
[FAILED]

The node is up now with tape instance mounted properly and kernel upgraded:  
cmsssrv228.fnal.gov - phedextape/production (SLF 6.6)  
16-core Opteron 6320 (H8DGPU); 62.90 GB RAM, 20.00 GB swap  
[root@cmsssrv228 ~]# df  
Filesystem 1K-blocks Used Available Use% Mounted on  
/dev/sda2 41284928 6663168 32524608 18% /  
tmpfs 32975396 0 32975396 0% /dev/shm  
/dev/sda1 1032088 128400 851260 14% /boot  
/dev/sda5 898341304 142907900 709793572 17% /storage/local/data1  
cmschimera.fnal.gov:/pnfs  
1125899906842624 23070969961600 1102828936881024 3% /pnfs  
[root@cmsssrv228 ~]# facter kernelrelease  
2.6.32-504.30.3.el6.x86\_64

#### #5 - 08/05/2015 12:15 PM - Natalia Ratnikova

cmsphedex-lpc.fnal.gov - phedexlpc/production (SLF 6.6)  
16-core Xeon E5530 @ 2.40GHz (PowerEdge R410); 23.46 GB RAM, 48.00 GB swap  
[root@cmsphedex-lpc ~]# history | grep kernel  
925 facter kernelrelease  
998 history | grep kernel  
[root@cmsphedex-lpc ~]# facter kernelrelease  
2.6.32-504.12.2.el6.x86\_64  
[root@cmsphedex-lpc ~]# yum clean all; yum update y; reboot  
Loaded plugins: priorities, security  
Cleaning repos: eos epel osg puppet puppet-deps slf slf-collections slf-security slf-source slf6x slf6x-security usemst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
eos  
| 2.5 kB | 00:00  
eos/primary\_db  
| 332 kB | 00:00  
epel  
| 3.8 kB | 00:00  
epel/primary\_db  
| 6.4 MB | 00:00  
osg  
| 2.5 kB | 00:00  
osg/primary\_db  
| 407 kB | 00:00  
puppet  
| 2.5 kB | 00:00  
puppet/primary\_db  
| 17 kB | 00:00  
puppet-deps  
| 2.5 kB | 00:00  
puppet-deps/primary\_db  
| 17 kB | 00:00  
slf

```

|3.6 kB 00:00
slf/primary_db
|4.2 MB 00:00
slf/collections
|2.9 kB 00:00
slf/collections/primary_db
|1.1 MB 00:00
slf/security
|2.9 kB 00:00
slf/security/primary_db
|4.1 MB 00:00
slf/source
|2.6 kB 00:00
slf/source/primary_db
|2.2 MB 00:00
slf6x
|3.6 kB 00:00
slf6x/primary_db
|4.2 MB 00:00
slf6x/security
|2.9 kB 00:00
slf6x/security/primary_db
|4.1 MB 00:00
ucsmst1
|2.5 kB 00:00
ucsmst1/primary_db
|141 kB 00:00

```

7924 packages excluded due to repository priority protections

Resolving Dependencies

```

-> Running transaction check
--> Package eos-client.x86_64 0:0.3.111-aquamarine.slc6 will be updated
--> Package eos-client.x86_64 0:0.3.125-aquamarine.slc6 will be an update
--> Package eos-fuse.x86_64 0:0.3.111-aquamarine.slc6 will be updated
--> Package eos-fuse.x86_64 0:0.3.125-aquamarine.slc6 will be an update
--> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
--> Package kernel-firmware.noarch 0:2.6.32-504.12.2.el6 will be updated
--> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
--> Package kernel-headers.x86_64 0:2.6.32-504.12.2.el6 will be updated
--> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
--> Finished Dependency Resolution
--> Running transaction check
--> Package kernel.x86_64 0:2.6.32-431.23.3.el6 will be erased
--> Finished Dependency Resolution

```

Dependencies Resolved

```

=====
=====
=====
Package                               Arch                               Version                               Repository
Size
=====
=====
Installing:
kernel                                 x86_64                             2.6.32-504.30.3.el6
slf-security                           29 M
Updating:
eos-client                             x86_64                             0.3.125-aquamarine.slc6             eos
622 k
eos-fuse                               x86_64                             0.3.125-aquamarine.slc6             eos
432 k
kernel-firmware                        noarch                             2.6.32-504.30.3.el6
slf-security                           14 M
kernel-headers                         x86_64                             2.6.32-504.30.3.el6
slf-security                           3.4 M
Removing:
kernel                                 x86_64                             2.6.32-431.23.3.el6
@slf-security/6.5                      121 M

```

Transaction Summary

```

=====
=====
Install      1 Package(s)

```

Upgrade 4 Package(s)  
Remove 1 Package(s)

Total download size: 48 M

Downloading Packages:

(1/5): eos-client-0.3.125-aquamarine.slc6.x86\_64.rpm  
| 622 kB 00:00  
(2/5): eos-fuse-0.3.125-aquamarine.slc6.x86\_64.rpm  
| 432 kB 00:00  
(3/5): kernel-2.6.32-504.30.3.el6.x86\_64.rpm  
| 29 MB 00:00  
(4/5): kernel-firmware-2.6.32-504.30.3.el6.noarch.rpm  
| 14 MB 00:00  
(5/5): kernel-headers-2.6.32-504.30.3.el6.x86\_64.rpm  
| 3.4 MB 00:00

---

Total

29 MB/s | 48 MB 00:01

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Updating : kernel-firmware-2.6.32-504.30.3.el6.noarch  
1/10

Updating : eos-client-0.3.125-aquamarine.slc6.x86\_64  
2/10

Updating : eos-fuse-0.3.125-aquamarine.slc6.x86\_64  
3/10

Starting conditional EOS services

Installing : kernel-2.6.32-504.30.3.el6.x86\_64  
4/10

Updating : kernel-headers-2.6.32-504.30.3.el6.x86\_64  
5/10

Cleanup : kernel-2.6.32-431.23.3.el6.x86\_64  
6/10

Cleanup : kernel-firmware-2.6.32-504.12.2.el6.noarch  
7/10

Cleanup : kernel-headers-2.6.32-504.12.2.el6.x86\_64  
8/10

Cleanup : eos-fuse-0.3.111-aquamarine.slc6.x86\_64  
9/10

Cleanup : eos-client-0.3.111-aquamarine.slc6.x86\_64  
10/10

Verifying : kernel-headers-2.6.32-504.30.3.el6.x86\_64  
1/10

Verifying : kernel-2.6.32-504.30.3.el6.x86\_64  
2/10

Verifying : eos-client-0.3.125-aquamarine.slc6.x86\_64  
3/10

Verifying : eos-fuse-0.3.125-aquamarine.slc6.x86\_64  
4/10

Verifying : kernel-firmware-2.6.32-504.30.3.el6.noarch  
5/10

Verifying : eos-fuse-0.3.111-aquamarine.slc6.x86\_64  
6/10

Verifying : eos-client-0.3.111-aquamarine.slc6.x86\_64  
7/10

Verifying : kernel-2.6.32-431.23.3.el6.x86\_64  
8/10

Verifying : kernel-firmware-2.6.32-504.12.2.el6.noarch  
9/10

Verifying : kernel-headers-2.6.32-504.12.2.el6.x86\_64  
10/10

Removed:

kernel.x86\_64 0:2.6.32-431.23.3.el6

Installed:

kernel.x86\_64 0:2.6.32-504.30.3.el6

Updated:

eos-client.x86\_64 0:0.3.125-aquamarine.slc6  
0:2.6.32-504.30.3.el6

eos-fuse.x86\_64 0:0.3.125-aquamarine.slc6  
kernel-headers.x86\_64 0:2.6.32-504.30.3.el6

kernel-firmware.noarch

Complete!

Broadcast message from [root@cmsphedex-lpc.fnal.gov](mailto:root@cmsphedex-lpc.fnal.gov)  
(/dev/pts/0) at 12:02 ...

The system is going down for reboot NOW!

```
[root@cmsphedex-lpc ~]# Connection to cmsphedex-lpc closed by remote host.  
Connection to cmsphedex-lpc closed.
```

```
cmsphedex-lpc.fnal.gov - phedexlpc/production (SLF 6.6)  
16-core Xeon E5530 @ 2.40GHz (PowerEdge R410); 23.46 GB RAM, 48.00 GB swap
```

```
[root@cmsphedex-lpc ~]# facter kernelrelease
```

```
2.6.32-504.30.3.el6.x86_64
```

```
[root@cmsphedex-lpc ~]# uptime
```

```
12:11:57 up 6 min, 1 user, load average: 0.09, 0.29, 0.16
```

```
[root@cmsphedex-lpc ~]# su - cmsprod
```

```
-bash-4.1$ cd /home/cmsprod/siteconfs/siteconf-fnallpc.4.1.3-comp3-1.0/
```

```
-bash-4.1$ ./pmgr Dev start
```

```
Testing your DB connection
```

```
2015-08-05 17:12:23: CheckDBConnection11341: (re)connecting to database
```

```
2015-08-05 17:12:25: CheckDBConnection11341: disconnected from database
```

```
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Dev/T3USFNALLPC succeeded
```

```
FileExport: pid 10351 dead in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/exp-pfn/, overwriting
```

```
FileExport: pid 11350 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/exp-pfn/
```

```
FileRemove: pid 10358 dead in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download-remove/, overwriting
```

```
FileRemove: pid 11357 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download-remove/
```

```
Unknown option: jobs
```

```
FileDownload: pid 10366 dead in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download/, overwriting
```

```
FileDownload: pid 11365 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/download/
```

```
BlockDownloadVerify: pid 10374 dead in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/blockverify/, overwriting
```

```
BlockDownloadVerify: pid 11374 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/blockverify/
```

```
Watchdog: pid 10591 dead in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/watchdog/, overwriting
```

```
2015-08-05 17:12:29: Watchdog11380: starting Agent session (id=2)
```

```
2015-08-05 17:12:29: Watchdog11380: STATISTICS: Reporting every 43200 seconds, detail=0
```

```
2015-08-05 17:12:29: Watchdog11380: has successfully initialised
```

```
2015-08-05 17:12:29: Watchdog11380: debug: Agent was loaded DB=>1, CYCLE=1, DROPBOX=1
```

```
2015-08-05 17:12:29: Watchdog11380: Lookup agent "download-remove"
```

```
2015-08-05 17:12:29: Watchdog11380: Lookup agent "download"
```

```
2015-08-05 17:12:29: Watchdog11380: Lookup agent "exp-pfn"
```

```
2015-08-05 17:12:29: Watchdog11380: Lookup agent "blockverify"
```

```
2015-08-05 17:12:29: Watchdog11380: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn
```

```
2015-08-05 17:12:29: Watchdog11380: (re)connecting to database
```

```
2015-08-05 17:12:29: Watchdog11380: Creating new private DBH
```

```
Watchdog: pid 11591 started in /home/cmsprod/phedex/Dev_T3_US_FNALLPC/state/watchdog/
```

```
T3 lpc pmgr: start Dev
```

```
-bash-4.1$ ./pmgr Debug start
```

```
Testing your DB connection
```

```
2015-08-05 17:12:35: CheckDBConnection11595: (re)connecting to database
```

```
2015-08-05 17:12:37: CheckDBConnection11595: disconnected from database
```

```
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Debug/T3USFNALLPC succeeded
```

```
FileExport: pid 10605 dead in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/exp-pfn/, overwriting
```

```
FileExport: pid 11604 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/exp-pfn/
```

```
FileRemove: pid 10612 dead in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download-remove/, overwriting
```

```
FileRemove: pid 11612 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download-remove/
```

```
Unknown option: jobs
```

```
FileDownload: pid 10620 dead in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download/, overwriting
```

```
FileDownload: pid 11620 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/download/
```

```
BlockDownloadVerify: pid 10628 dead in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/blockverify/, overwriting
```

```
BlockDownloadVerify: pid 11628 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/blockverify/
```

```
Watchdog: pid 10846 dead in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/watchdog/, overwriting
```

```
2015-08-05 17:12:40: Watchdog11634: starting Agent session (id=2)
```

```
2015-08-05 17:12:40: Watchdog11634: STATISTICS: Reporting every 43200 seconds, detail=0
```

```
2015-08-05 17:12:40: Watchdog11634: has successfully initialised
```

```
2015-08-05 17:12:40: Watchdog11634: Lookup agent "download-remove"
```

```
2015-08-05 17:12:40: Watchdog11634: Lookup agent "download"
```

```
2015-08-05 17:12:40: Watchdog11634: Lookup agent "exp-pfn"
```

```
2015-08-05 17:12:40: Watchdog11634: Lookup agent "blockverify"
```

```
2015-08-05 17:12:40: Watchdog11634: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn
```

```
2015-08-05 17:12:40: Watchdog11634: (re)connecting to database
```

```
Watchdog: pid 11849 started in /home/cmsprod/phedex/Debug_T3_US_FNALLPC/state/watchdog/
```

```
T3 lpc pmgr: start Debug
```

```
-bash-4.1$ ./pmgr Prod start
```

```
Testing your DB connection
```

```
2015-08-05 17:12:47: CheckDBConnection11853: (re)connecting to database
```



```
2015-08-05 17:12:48: CheckDBConnection11853: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Prod/T3USFNALLPC succeeded
FileExport: pid 10974 dead in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/exp-pfn/, overwriting
FileExport: pid 11863 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/exp-pfn/
FileRemove: pid 10981 dead in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download-remove/, overwriting
FileRemove: pid 11870 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download-remove/
Unknown option: jobs
FileDownload: pid 10989 dead in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download/, overwriting
FileDownload: pid 11878 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/download/
BlockDownloadVerify: pid 10997 dead in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/blockverify/, overwriting
BlockDownloadVerify: pid 11886 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/blockverify/
Watchdog: pid 11215 dead in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/watchdog/, overwriting
2015-08-05 17:12:51: Watchdog11892: starting Agent session (id=2)
2015-08-05 17:12:51: Watchdog11892: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 17:12:51: Watchdog11892: has successfully initialised
2015-08-05 17:12:51: Watchdog11892: Lookup agent "download-remove"
2015-08-05 17:12:51: Watchdog11892: Lookup agent "download"
2015-08-05 17:12:51: Watchdog11892: Lookup agent "exp-pfn"
2015-08-05 17:12:51: Watchdog11892: Lookup agent "blockverify"
2015-08-05 17:12:51: Watchdog11892: I am running these agents: Watchdog, blockverify, download, download-remove, exp-pfn
2015-08-05 17:12:51: Watchdog11892: (re)connecting to database
Watchdog: pid 12103 started in /home/cmsprod/phedex/Prod_T3_US_FNALLPC/state/watchdog/
T3 lpc pmgr: start Prod
-bash-4.1$
```

```
=====
msphedex-lpc.fnal.gov - phedexlpc/production (SLF 6.6)
16-core Xeon E5530 @ 2.40GHz (PowerEdge R410); 23.46 GB RAM, 48.00 GB swap
[root@cmsphedex-lpc ~]# service puppet status
puppet (pid 7231) is running...
[root@cmsphedex-lpc ~]# puppet agent --noop
[root@cmsphedex-lpc ~]# puppet agent -t --noop
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_persistent_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/puppet_var_dir.rb
Info: Loading facts in /var/lib/puppet/lib/facter/facter_dot_d.rb
Info: Loading facts in /var/lib/puppet/lib/facter/ip6tables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmtfparts_size.rb
Info: Loading facts in /var/lib/puppet/lib/facter/postgres_default_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/concat_basedir.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmtfversion.rb
Info: Loading facts in /var/lib/puppet/lib/facter/pe_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/code_server.rb
Info: Loading facts in /var/lib/puppet/lib/facter/root_home.rb
Info: Loading facts in /var/lib/puppet/lib/facter/certificate_facts.rb
Info: Loading facts in /var/lib/puppet/lib/facter/afs_cache_size.rb
Info: Loading facts in /var/lib/puppet/lib/facter/os_maj_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/rsyslog_version.rb
Info: Caching catalog for cmsphedex-lpc.fnal.gov
Info: Applying configuration version '1438794790'
Notice: Finished catalog run in 17.98 seconds
[root@cmsphedex-lpc ~]# puppet agent --enable
[root@cmsphedex-lpc ~]#
```

#### #6 - 08/05/2015 12:20 PM - Natalia Ratnikova

start agents on Tape instance phedex server

```
cmssrv228.fnal.gov - phedextape/production (SLF 6.6)
16-core Opteron 6320 (H8DGPU); 62.90 GB RAM, 20.00 GB swap
[root@cmssrv228 ~]# uptime
12:16:23 up 22 min, 1 user, load average: 0.12, 0.14, 0.27
[root@cmssrv228 ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmssrv228 ~]# su - cmsprod
-bash-4.1$ cd /home/cmsprod/siteconf-git/
-bash-4.1$ ./pmgr Dev start
Testing your DB connection
2015-08-05 17:16:33: CheckDBConnection17990: (re)connecting to database

2015-08-05 17:16:35: CheckDBConnection17990: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Buffer/state/exp-pfn-buffer//stop
```

FileExport: pid 18007 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/exp-pfn-buffer/  
FileExport: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss//stop  
FileExport: pid 18018 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss/  
FileRemove: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-remove//stop  
FileRemove: pid 18029 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-remove/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-cern//stop  
FileDownload: pid 18041 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-cern/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier1//stop  
FileDownload: pid 18053 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier1/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier2//stop  
FileDownload: pid 18066 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier2/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier3//stop  
FileDownload: pid 18078 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/download-tier3/  
FileStager: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage-local//stop  
FileStager: pid 18090 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage-local/  
FileStager: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage//stop  
FileStager: pid 18101 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage/  
FileStager: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern//stop  
FileStager: pid 18112 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern/  
FileMSSMigrate: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-migrate//stop  
FileMSSMigrate: pid 18123 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/mss-migrate/  
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/blockverify//stop  
BlockDownloadVerify: pid 18181 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/blockverify/  
Watchdog: removing old stop flag /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/watchdog//stop  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: starting Agent session (id=2)  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: STATISTICS: Reporting every 43200 seconds, detail=0  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: has successfully initialised  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: debug: Agent was loaded DB=>1, CYCLE=1, DROPBOX=1  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "download-cern"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "download-tier1"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "download-tier2"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "download-tier3"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "download-remove"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "exp-pfn-buffer"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "exp-pfn-mss"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "mss-migrate"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "mss-stage-local"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "mss-stage"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "mss-stage-cern"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Lookup agent "blockverify"  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1, download-tier2, download-tier3, exp-pfn-buffer, exp-pfn-mss, mss-migrate, mss-stage, mss-stage-cern, mss-stage-local  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: (re)connecting to database  
2015-08-05 17:16:41: Watchdog<sup>18215</sup>: Creating new private DBH  
Watchdog: pid 18783 started in /home/cmsprod/phedex/Dev\_T1\_US\_FNAL\_Buffer/state/watchdog/  
T1 tape pmgr: start Dev  
-bash-4.1\$ ./pmgr Debug start  
Testing your DB connection  
2015-08-05 17:16:47: CheckDBConnection<sup>18791</sup>: (re)connecting to database  
2015-08-05 17:16:49: CheckDBConnection<sup>18791</sup>: disconnected from database  
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL succeeded  
FileExport: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/exp-pfn-buffer//stop  
FileExport: pid 18849 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/exp-pfn-buffer/  
FileExport: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss//stop  
FileExport: pid 18860 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss/  
FileRemove: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-remove//stop  
FileRemove: pid 18874 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-remove/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-cern//stop  
FileDownload: pid 18911 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-cern/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier1//stop  
FileDownload: pid 18924 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier1/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier2//stop  
FileDownload: pid 18936 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier2/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier3//stop  
FileDownload: pid 18947 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/download-tier3/  
FileStager: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage-local//stop  
FileStager: pid 18960 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage-local/

FileStager: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage//stop  
FileStager: pid 18971 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage/  
FileStager: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern//stop  
FileStager: pid 18982 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern/  
FileMSSMigrate: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-migrate//stop  
FileMSSMigrate: pid 18994 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/mss-migrate/  
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/blockverify//stop  
BlockDownloadVerify: pid 19019 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/blockverify/  
Watchdog: removing old stop flag /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/watchdog//stop  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: starting Agent session (id=2)  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: STATISTICS: Reporting every 43200 seconds, detail=0  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: has successfully initialised  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: debug: Agent was loaded DB=>1, CYCLE=1, DROPBOX=1  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "download-cern"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "download-tier1"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "download-tier2"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "download-tier3"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "download-remove"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "exp-pfn-buffer"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "exp-pfn-mss"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "mss-migrate"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "mss-stage-local"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "mss-stage"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "mss-stage-cern"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Lookup agent "blockverify"  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1, download-tier2, download-tier3, exp-pfn-buffer, exp-pfn-mss, mss-migrate, mss-stage, mss-stage-cern, mss-stage-local  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: (re)connecting to database  
2015-08-05 17:16:54: Watchdog<sup>19054</sup>: Creating new private DBH  
Watchdog: pid 19653 started in /home/cmsprod/phedex/Debug\_T1\_US\_FNAL\_Buffer/state/watchdog/  
T1 tape pmgr: start Debug  
-bash-4.1\$ ./pmgr Prod start  
Testing your DB connection  
2015-08-05 17:17:01: CheckDBConnection<sup>19662</sup>: (re)connecting to database  
2015-08-05 17:17:02: CheckDBConnection<sup>19662</sup>: disconnected from database  
Connection to TMDb with /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL succeeded  
FileExport: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/exp-pfn-buffer//stop  
FileExport: pid 19949 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/exp-pfn-buffer/  
FileExport: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss//stop  
FileExport: pid 20001 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/exp-pfn-mss/  
FileRemove: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-remove//stop  
FileRemove: pid 20069 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-remove/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-cern//stop  
FileDownload: pid 20100 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-cern/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier1//stop  
FileDownload: pid 20134 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier1/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier2//stop  
FileDownload: pid 20179 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier2/  
Unknown option: jobs  
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier3//stop  
FileDownload: pid 20207 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/download-tier3/  
FileStager: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage-local//stop  
FileStager: pid 20219 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage-local/  
FileStager: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage//stop  
FileStager: pid 20234 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage/  
FileStager: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern//stop  
FileStager: pid 20245 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-stage-cern/  
FileMSSMigrate: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-migrate//stop  
FileMSSMigrate: pid 20258 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/mss-migrate/  
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/blockverify//stop  
BlockDownloadVerify: pid 20314 started in /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/blockverify/  
Watchdog: removing old stop flag /home/cmsprod/phedex/Prod\_T1\_US\_FNAL\_Buffer/state/watchdog//stop  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: starting Agent session (id=2)  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: STATISTICS: Reporting every 43200 seconds, detail=0  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: has successfully initialised  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "download-cern"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "download-tier1"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "download-tier2"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "download-tier3"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "download-remove"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "exp-pfn-buffer"  
2015-08-05 17:17:07: Watchdog<sup>20345</sup>: Lookup agent "exp-pfn-mss"

```
2015-08-05 17:17:07: Watchdog20345: Lookup agent "mss-migrate"
2015-08-05 17:17:07: Watchdog20345: Lookup agent "mss-stage-local"
2015-08-05 17:17:07: Watchdog20345: Lookup agent "mss-stage"
2015-08-05 17:17:07: Watchdog20345: Lookup agent "mss-stage-cern"
2015-08-05 17:17:07: Watchdog20345: Lookup agent "blockverify"
2015-08-05 17:17:07: Watchdog20345: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1,
download-tier2, download-tier3, exp-pfn-buffer, exp-pfn-mss, mss-migrate, mss-stage, mss-stage-cern, mss-stage-local
2015-08-05 17:17:07: Watchdog20345: (re)connecting to database
Watchdog: pid 21033 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Buffer/state/watchdog/
T1 tape pmgr: start Prod
-bash-4.1$
```

Sent email to cms-t1 .

#### #7 - 08/05/2015 01:43 PM - Natalia Ratnikova

```
[root@cmsadmin1 DOWNTIME-Aug-5-2015]# time for s in `cat all_dcachdisk_pools.1`; do echo "Processing $s"; ssh $s 'puppet agent --disable
"Downtime work Aug 5 "'; ssh $s 'dcache stop'; done
```

```
[root@cmsadmin1 DOWNTIME-Aug-5-2015]# time for s in `cat all_dcachdisk_pools.1`; do echo "Processing $s"; ssh $s 'puppet agent --disable
"Downtime work Aug 5 "'; ssh $s 'dcache stop'; done
```

```
Processing cmsstor169.fnal.gov
Stopping gridftp-cmsstor169Domain 0 1 done
Stopping w-cmsstor169-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor169-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor169-disk-disk1Domain 0 1 2 3 4 done
Processing cmsstor171.fnal.gov
Stopping gridftp-cmsstor171Domain 0 1 done
Stopping w-cmsstor171-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor171-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor171-disk-disk1Domain 0 1 2 3 4 done
Processing cmsstor172.fnal.gov
Stopping gridftp-cmsstor172Domain 0 1 done
Stopping w-cmsstor172-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor172-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor172-disk-disk1Domain 0 1 2 3 done
Processing cmsstor173.fnal.gov
Stopping gridftp-cmsstor173Domain 0 1 done
Stopping w-cmsstor173-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor173-disk-disk2Domain 0 1 2 3 4 done
Stopping w-cmsstor173-disk-disk1Domain 0 1 2 3 done
Processing cmsstor174.fnal.gov
Stopping gridftp-cmsstor174Domain 0 1 done
Stopping w-cmsstor174-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor174-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor174-disk-disk1Domain 0 1 2 3 done
Processing cmsstor175.fnal.gov
Stopping gridftp-cmsstor175Domain 0 1 2 done
Stopping w-cmsstor175-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor175-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor175-disk-disk1Domain 0 1 2 3 4 done
Processing cmsstor176.fnal.gov
Stopping gridftp-cmsstor176Domain 0 1 done
Stopping w-cmsstor176-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor176-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor176-disk-disk1Domain 0 1 2 3 done
Processing cmsstor177.fnal.gov
Stopping gridftp-cmsstor177Domain 0 1 done
Stopping w-cmsstor177-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor177-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor177-disk-disk1Domain 0 1 2 3 done
Processing cmsstor178.fnal.gov
Stopping gridftp-cmsstor178Domain 0 1 done
Stopping w-cmsstor178-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor178-disk-disk2Domain 0 1 2 3 4 done
Stopping w-cmsstor178-disk-disk1Domain 0 1 2 3 done
Processing cmsstor179.fnal.gov
Stopping gridftp-cmsstor179Domain 0 1 done
Stopping w-cmsstor179-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor179-disk-disk2Domain 0 1 2 3 done
Stopping w-cmsstor179-disk-disk1Domain 0 1 2 3 done
Processing cmsstor181.fnal.gov
Stopping gridftp-cmsstor181Domain 0 1 done
Stopping w-cmsstor181-disk-disk3Domain 0 1 2 3 done
Stopping w-cmsstor181-disk-disk2Domain 0 1 2 3 4 done
```

Stopping w-cmsstor181-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor182.fnal.gov  
Stopping gridftp-cmsstor182Domain 0 1 done  
Stopping w-cmsstor182-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor182-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor182-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor183.fnal.gov  
Stopping gridftp-cmsstor183Domain 0 1 done  
Stopping w-cmsstor183-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor183-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor183-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor184.fnal.gov  
Stopping gridftp-cmsstor184Domain 0 1 done  
Stopping w-cmsstor184-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor184-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor184-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor185.fnal.gov  
Stopping gridftp-cmsstor185Domain 0 1 done  
Stopping w-cmsstor185-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor185-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor185-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor186.fnal.gov  
Stopping gridftp-cmsstor186Domain 0 1 done  
Stopping w-cmsstor186-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor186-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor186-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor187.fnal.gov  
Stopping gridftp-cmsstor187Domain 0 1 done  
Stopping w-cmsstor187-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor187-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor187-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor188.fnal.gov  
Stopping gridftp-cmsstor188Domain 0 1 done  
Stopping w-cmsstor188-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor188-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor188-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor189.fnal.gov  
Stopping gridftp-cmsstor189Domain 0 1 done  
Stopping w-cmsstor189-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor189-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor189-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor191.fnal.gov  
Stopping gridftp-cmsstor191Domain 0 1 2 done  
Stopping w-cmsstor191-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor191-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor191-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor192.fnal.gov  
Stopping gridftp-cmsstor192Domain 0 1 done  
Stopping w-cmsstor192-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor192-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor192-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor193.fnal.gov  
Stopping gridftp-cmsstor193Domain 0 1 done  
Stopping w-cmsstor193-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor193-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor193-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor194.fnal.gov  
Stopping gridftp-cmsstor194Domain 0 1 2 done  
Stopping w-cmsstor194-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor194-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor194-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor195.fnal.gov  
Stopping gridftp-cmsstor195Domain 0 1 done  
Stopping w-cmsstor195-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor195-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor195-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor196.fnal.gov  
Stopping gridftp-cmsstor196Domain 0 1 done  
Stopping w-cmsstor196-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor196-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor196-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor197.fnal.gov  
Stopping gridftp-cmsstor197Domain 0 1 2 done  
Stopping w-cmsstor197-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor197-disk-disk2Domain 0 1 2 3 done

Stopping w-cmsstor197-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor198.fnal.gov  
Stopping gridftp-cmsstor198Domain 0 1 done  
Stopping w-cmsstor198-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor198-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor198-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor199.fnal.gov  
Stopping gridftp-cmsstor199Domain 0 1 done  
Stopping w-cmsstor199-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor199-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor199-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor201.fnal.gov  
Stopping gridftp-cmsstor201Domain 0 1 done  
Stopping w-cmsstor201-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor201-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor201-disk-disk1Domain 0 1 2 done  
Processing cmsstor202.fnal.gov  
Stopping gridftp-cmsstor202Domain 0 1 done  
Stopping w-cmsstor202-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor202-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor202-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor203.fnal.gov  
Stopping gridftp-cmsstor203Domain 0 1 done  
Stopping w-cmsstor203-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor203-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor203-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor204.fnal.gov  
Stopping gridftp-cmsstor204Domain 0 1 done  
Stopping w-cmsstor204-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor204-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor204-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor205.fnal.gov  
Stopping gridftp-cmsstor205Domain 0 1 done  
Stopping w-cmsstor205-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor205-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor205-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor206.fnal.gov  
Stopping gridftp-cmsstor206Domain 0 1 done  
Stopping w-cmsstor206-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor206-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor206-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor207.fnal.gov  
Stopping gridftp-cmsstor207Domain 0 1 done  
Stopping w-cmsstor207-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor207-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor207-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor208.fnal.gov  
Stopping gridftp-cmsstor208Domain 0 1 done  
Stopping w-cmsstor208-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor208-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor208-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor209.fnal.gov  
Stopping gridftp-cmsstor209Domain 0 1 2 done  
Stopping w-cmsstor209-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor209-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor209-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor210.fnal.gov  
Stopping gridftp-cmsstor210Domain 0 1 done  
Stopping w-cmsstor210-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor210-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor210-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor211.fnal.gov  
Stopping gridftp-cmsstor211Domain 0 1 done  
Stopping w-cmsstor211-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor211-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor211-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor212.fnal.gov  
Stopping gridftp-cmsstor212Domain 0 1 done  
Stopping w-cmsstor212-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor212-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor212-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor213.fnal.gov  
Stopping gridftp-cmsstor213Domain 0 1 done  
Stopping w-cmsstor213-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor213-disk-disk2Domain 0 1 2 3 done



Stopping w-cmsstor213-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor214.fnal.gov  
Stopping gridftp-cmsstor214Domain 0 1 done  
Stopping w-cmsstor214-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor214-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor214-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor215.fnal.gov  
Stopping gridftp-cmsstor215Domain 0 1 done  
Stopping w-cmsstor215-disk-disk3Domain 0 1 2 3 4 5 6 7 8 9 [K] 10 done  
Stopping w-cmsstor215-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor215-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor216.fnal.gov  
Stopping gridftp-cmsstor216Domain 0 done  
Stopping w-cmsstor216-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor216-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor216-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor217.fnal.gov  
Stopping gridftp-cmsstor217Domain 0 1 2 done  
Stopping w-cmsstor217-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor217-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor217-disk-disk1Domain 0 1 2 3 done  
A heap dump file, /var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof,  
was found for domain w-cmsstor217-disk-disk2Domain. The file was generated  
at 2014-12-30 09:51:39.074621366 -0600 as a result of an out of memory  
failure in the domain.

The dump contains debugging information that may help a developer  
determine the cause of high memory usage. Please note that the dump may  
contain confidential information.

As long as the file exists no other dumps will be generated on out of  
memory failures. Please move or delete  
/var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof. Consider  
increasing the dcache.java.memory.heap property. The current value is  
5096m.

Processing cmsstor218.fnal.gov  
Stopping gridftp-cmsstor218Domain 0 1 done  
Stopping w-cmsstor218-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor218-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor218-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor219.fnal.gov  
Stopping gridftp-cmsstor219Domain 0 done  
Stopping w-cmsstor219-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor219-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor219-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor220.fnal.gov  
Stopping gridftp-cmsstor220Domain 0 1 done  
Stopping w-cmsstor220-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor220-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor220-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor221.fnal.gov  
Stopping gridftp-cmsstor221Domain 0 1 done  
Stopping w-cmsstor221-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor221-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor221-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor222.fnal.gov  
Stopping gridftp-cmsstor222Domain 0 1 done  
Stopping w-cmsstor222-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor222-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor222-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor223.fnal.gov  
Stopping gridftp-cmsstor223Domain 0 1 done  
Stopping w-cmsstor223-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor223-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor223-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor224.fnal.gov  
Stopping gridftp-cmsstor224Domain 0 1 done  
Stopping w-cmsstor224-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor224-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor224-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor225.fnal.gov  
Stopping gridftp-cmsstor225Domain 0 1 done  
Stopping w-cmsstor225-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor225-disk-disk2Domain 0 1 2 3 done





Stopping w-cmsstor240-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor241.fnal.gov  
Stopping gridftp-cmsstor241Domain 0 1 done  
Stopping w-cmsstor241-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor241-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor241-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor242.fnal.gov  
Stopping gridftp-cmsstor242Domain 0 1 done  
Stopping w-cmsstor242-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor242-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor242-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor243.fnal.gov  
Stopping gridftp-cmsstor243Domain 0 1 done  
Stopping w-cmsstor243-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor243-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor243-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor244.fnal.gov  
Stopping gridftp-cmsstor244Domain 0 1 done  
Stopping w-cmsstor244-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor244-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor244-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor245.fnal.gov  
Stopping gridftp-cmsstor245Domain 0 1 done  
Stopping w-cmsstor245-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor245-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor245-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor246.fnal.gov  
Stopping gridftp-cmsstor246Domain 0 1 done  
Stopping w-cmsstor246-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor246-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor246-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor247.fnal.gov  
Stopping gridftp-cmsstor247Domain 0 1 done  
Stopping w-cmsstor247-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor247-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor247-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor248.fnal.gov  
Stopping gridftp-cmsstor248Domain 0 1 done  
Stopping w-cmsstor248-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor248-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor248-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor249.fnal.gov  
Stopping gridftp-cmsstor249Domain 0 1 done  
Stopping w-cmsstor249-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor249-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor249-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor250.fnal.gov  
Stopping gridftp-cmsstor250Domain 0 1 done  
Stopping w-cmsstor250-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor250-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor250-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor251.fnal.gov  
Stopping gridftp-cmsstor251Domain 0 1 done  
Stopping w-cmsstor251-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor251-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor251-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor261.fnal.gov  
Stopping gridftp-cmsstor261Domain 0 done  
Stopping w-cmsstor261-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor261-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor261-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor262.fnal.gov  
Stopping gridftp-cmsstor262Domain 0 1 done  
Stopping w-cmsstor262-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor262-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor262-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor263.fnal.gov  
Stopping gridftp-cmsstor263Domain 0 1 done  
Stopping w-cmsstor263-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor263-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor263-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor264.fnal.gov  
Stopping gridftp-cmsstor264Domain 0 done  
Stopping w-cmsstor264-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor264-disk-disk2Domain 0 1 2 3 done

Stopping w-cmsstor264-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor265.fnal.gov  
Stopping gridftp-cmsstor265Domain 0 1 done  
Stopping w-cmsstor265-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor265-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor265-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor266.fnal.gov  
Stopping gridftp-cmsstor266Domain 0 done  
Stopping w-cmsstor266-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor266-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor266-disk-disk1Domain 0 1 2 done  
Processing cmsstor267.fnal.gov  
Stopping gridftp-cmsstor267Domain 0 done  
Stopping w-cmsstor267-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor267-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor267-disk-disk1Domain 0 1 2 done  
Processing cmsstor268.fnal.gov  
Stopping gridftp-cmsstor268Domain 0 1 done  
Stopping w-cmsstor268-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor268-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor268-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor269.fnal.gov  
Stopping gridftp-cmsstor269Domain 0 1 done  
Stopping w-cmsstor269-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor269-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor269-disk-disk1Domain 0 1 2 done  
Processing cmsstor270.fnal.gov  
Stopping gridftp-cmsstor270Domain 0 done  
Stopping w-cmsstor270-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor270-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor270-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor271.fnal.gov  
Stopping gridftp-cmsstor271Domain 0 done  
Stopping w-cmsstor271-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor271-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor271-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor272.fnal.gov  
Stopping gridftp-cmsstor272Domain 0 done  
Stopping w-cmsstor272-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor272-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor272-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor273.fnal.gov  
Stopping gridftp-cmsstor273Domain 0 done  
Stopping w-cmsstor273-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor273-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor273-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor274.fnal.gov  
Stopping gridftp-cmsstor274Domain 0 1 done  
Stopping w-cmsstor274-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor274-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor274-disk-disk1Domain 0 1 2 done  
Processing cmsstor275.fnal.gov  
Stopping gridftp-cmsstor275Domain 0 done  
Stopping w-cmsstor275-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor275-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor275-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor276.fnal.gov  
Stopping gridftp-cmsstor276Domain 0 done  
Stopping w-cmsstor276-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor276-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor276-disk-disk1Domain 0 1 2 done  
Processing cmsstor277.fnal.gov  
Stopping gridftp-cmsstor277Domain 0 done  
Stopping w-cmsstor277-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor277-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor277-disk-disk1Domain 0 1 2 done  
Processing cmsstor278.fnal.gov  
Stopping gridftp-cmsstor278Domain 0 done  
Stopping w-cmsstor278-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor278-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor278-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor279.fnal.gov  
Stopping gridftp-cmsstor279Domain 0 done  
Stopping w-cmsstor279-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor279-disk-disk2Domain 0 1 2 3 done

Stopping w-cmsstor279-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor280.fnal.gov  
Stopping gridftp-cmsstor280Domain 0 1 done  
Stopping w-cmsstor280-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor280-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor280-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor281.fnal.gov  
Stopping gridftp-cmsstor281Domain 0 1 done  
Stopping w-cmsstor281-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor281-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor281-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor282.fnal.gov  
Stopping gridftp-cmsstor282Domain 0 1 done  
Stopping w-cmsstor282-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor282-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor282-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor283.fnal.gov  
Stopping gridftp-cmsstor283Domain 0 done  
Stopping w-cmsstor283-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor283-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor283-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor284.fnal.gov  
Stopping gridftp-cmsstor284Domain 0 done  
Stopping w-cmsstor284-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor284-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor284-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor285.fnal.gov  
Stopping gridftp-cmsstor285Domain 0 done  
Stopping w-cmsstor285-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor285-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor285-disk-disk1Domain 0 1 2 done  
Processing cmsstor286.fnal.gov  
Stopping gridftp-cmsstor286Domain 0 done  
Stopping w-cmsstor286-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor286-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor286-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor287.fnal.gov  
Stopping gridftp-cmsstor287Domain 0 1 done  
Stopping w-cmsstor287-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor287-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor287-disk-disk1Domain 0 1 2 done  
Processing cmsstor288.fnal.gov  
Stopping gridftp-cmsstor288Domain 0 done  
Stopping w-cmsstor288-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor288-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor288-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor289.fnal.gov  
Stopping gridftp-cmsstor289Domain 0 1 done  
Stopping w-cmsstor289-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor289-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor289-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor290.fnal.gov  
Stopping gridftp-cmsstor290Domain 0 1 done  
Stopping w-cmsstor290-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor290-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor290-disk-disk1Domain 0 1 2 done  
Processing cmsstor291.fnal.gov  
Stopping gridftp-cmsstor291Domain 0 done  
Stopping w-cmsstor291-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor291-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor291-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor292.fnal.gov  
Stopping gridftp-cmsstor292Domain 0 1 done  
Stopping w-cmsstor292-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor292-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor292-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor293.fnal.gov  
Stopping gridftp-cmsstor293Domain 0 done  
Stopping w-cmsstor293-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor293-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor293-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor294.fnal.gov  
Stopping gridftp-cmsstor294Domain 0 1 done  
Stopping w-cmsstor294-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor294-disk-disk2Domain 0 1 2 done

Stopping w-cmsstor294-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor309.fnal.gov  
Stopping gridftp-cmsstor309Domain 0 1 done  
Stopping w-cmsstor309-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor309-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor309-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor310.fnal.gov  
Stopping gridftp-cmsstor310Domain 0 1 done  
Stopping w-cmsstor310-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor310-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor310-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor311.fnal.gov  
Stopping gridftp-cmsstor311Domain 0 1 done  
Stopping w-cmsstor311-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor311-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor311-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor312.fnal.gov  
Stopping gridftp-cmsstor312Domain 0 1 done  
Stopping w-cmsstor312-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor312-disk-disk2Domain 0 1 2 3 4 5 6 7 8 9 [K] 10 done  
Stopping w-cmsstor312-disk-disk1Domain 0 1 2 done  
Processing cmsstor313.fnal.gov  
Stopping gridftp-cmsstor313Domain 0 1 2 done  
Stopping w-cmsstor313-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor313-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor313-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor314.fnal.gov  
Stopping gridftp-cmsstor314Domain 0 1 done  
Stopping w-cmsstor314-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor314-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor314-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor315.fnal.gov  
Stopping gridftp-cmsstor315Domain 0 1 done  
Stopping w-cmsstor315-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor315-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor315-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor316.fnal.gov  
Stopping gridftp-cmsstor316Domain 0 1 done  
Stopping w-cmsstor316-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor316-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor316-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor317.fnal.gov  
Stopping gridftp-cmsstor317Domain 0 1 done  
Stopping w-cmsstor317-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor317-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor317-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor318.fnal.gov  
Stopping gridftp-cmsstor318Domain 0 1 done  
Stopping w-cmsstor318-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor318-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor318-disk-disk1Domain 0 1 2 3 4 5 done  
Processing cmsstor319.fnal.gov  
Stopping gridftp-cmsstor319Domain 0 1 done  
Stopping w-cmsstor319-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor319-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor319-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor320.fnal.gov  
Stopping gridftp-cmsstor320Domain 0 done  
Stopping w-cmsstor320-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor320-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor320-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor321.fnal.gov  
Stopping gridftp-cmsstor321Domain 0 1 done  
Stopping w-cmsstor321-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor321-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor321-disk-disk1Domain 0 1 2 done  
Processing cmsstor322.fnal.gov  
Stopping gridftp-cmsstor322Domain 0 1 done  
Stopping w-cmsstor322-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor322-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor322-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor323.fnal.gov  
Stopping gridftp-cmsstor323Domain 0 done  
Stopping w-cmsstor323-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor323-disk-disk2Domain 0 1 2 3 done

Stopping w-cmsstor323-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor324.fnal.gov  
Stopping gridftp-cmsstor324Domain 0 done  
Stopping w-cmsstor324-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor324-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor324-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor325.fnal.gov  
Stopping gridftp-cmsstor325Domain 0 done  
Stopping w-cmsstor325-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor325-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor325-disk-disk1Domain 0 1 2 done  
Processing cmsstor326.fnal.gov  
Stopping gridftp-cmsstor326Domain 0 done  
Stopping w-cmsstor326-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor326-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor326-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor327.fnal.gov  
Stopping gridftp-cmsstor327Domain 0 done  
Stopping w-cmsstor327-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor327-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor327-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor328.fnal.gov  
Stopping gridftp-cmsstor328Domain 0 done  
Stopping w-cmsstor328-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor328-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor328-disk-disk1Domain 0 1 2 done  
Processing cmsstor329.fnal.gov  
Stopping gridftp-cmsstor329Domain 0 done  
Stopping w-cmsstor329-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor329-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor329-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor330.fnal.gov  
Stopping gridftp-cmsstor330Domain 0 done  
Stopping w-cmsstor330-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor330-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor330-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor331.fnal.gov  
Stopping gridftp-cmsstor331Domain 0 done  
Stopping w-cmsstor331-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor331-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor331-disk-disk1Domain 0 1 2 done  
Processing cmsstor332.fnal.gov  
Stopping gridftp-cmsstor332Domain 0 done  
Stopping w-cmsstor332-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor332-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor332-disk-disk1Domain 0 1 2 done  
Processing cmsstor333.fnal.gov  
Stopping gridftp-cmsstor333Domain 0 done  
Stopping w-cmsstor333-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor333-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor333-disk-disk1Domain 0 1 2 done  
Processing cmsstor334.fnal.gov  
Stopping gridftp-cmsstor334Domain 0 done  
Stopping w-cmsstor334-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor334-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor334-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor335.fnal.gov  
Stopping gridftp-cmsstor335Domain 0 1 done  
Stopping w-cmsstor335-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor335-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor335-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor336.fnal.gov  
Stopping gridftp-cmsstor336Domain 0 done  
Stopping w-cmsstor336-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor336-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor336-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor337.fnal.gov  
Stopping gridftp-cmsstor337Domain 0 done  
Stopping w-cmsstor337-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor337-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor337-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor338.fnal.gov  
Stopping gridftp-cmsstor338Domain 0 1 done  
Stopping w-cmsstor338-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor338-disk-disk2Domain 0 1 2 done

Stopping w-cmsstor338-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor339.fnal.gov  
Stopping gridftp-cmsstor339Domain 0 done  
Stopping w-cmsstor339-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor339-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor339-disk-disk1Domain 0 1 2 done  
Processing cmsstor340.fnal.gov  
Stopping gridftp-cmsstor340Domain 0 1 done  
Stopping w-cmsstor340-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor340-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor340-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor341.fnal.gov  
Stopping gridftp-cmsstor341Domain 0 1 done  
Stopping w-cmsstor341-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor341-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor341-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor342.fnal.gov  
Stopping gridftp-cmsstor342Domain 0 done  
Stopping w-cmsstor342-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor342-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor342-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor343.fnal.gov  
Stopping gridftp-cmsstor343Domain 0 done  
Stopping w-cmsstor343-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor343-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor343-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor344.fnal.gov  
Stopping gridftp-cmsstor344Domain 0 done  
Stopping w-cmsstor344-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor344-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor344-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor345.fnal.gov  
Stopping gridftp-cmsstor345Domain 0 1 done  
Stopping w-cmsstor345-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor345-disk-disk2Domain 0 1 2 3 4 done  
Stopping w-cmsstor345-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor346.fnal.gov  
Stopping gridftp-cmsstor346Domain 0 done  
Stopping w-cmsstor346-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor346-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor346-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor347.fnal.gov  
Stopping gridftp-cmsstor347Domain 0 1 done  
Stopping w-cmsstor347-disk-disk3Domain 0 1 2 3 4 done  
Stopping w-cmsstor347-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor347-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor348.fnal.gov  
Stopping gridftp-cmsstor348Domain 0 1 done  
Stopping w-cmsstor348-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor348-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor348-disk-disk1Domain 0 1 2 done  
Processing cmsstor349.fnal.gov  
Connection closed by 131.225.205.60  
Stopping gridftp-cmsstor349Domain 0 done  
Stopping w-cmsstor349-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor349-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor349-disk-disk1Domain 0 1 2 done  
Processing cmsstor350.fnal.gov  
Stopping gridftp-cmsstor350Domain 0 1 done  
Stopping w-cmsstor350-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor350-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor350-disk-disk1Domain 0 1 2 3 4 done  
Processing cmsstor351.fnal.gov  
Stopping gridftp-cmsstor351Domain 0 done  
Stopping w-cmsstor351-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor351-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor351-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor352.fnal.gov  
Stopping gridftp-cmsstor352Domain 0 1 done  
Stopping w-cmsstor352-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor352-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor352-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor353.fnal.gov  
Stopping gridftp-cmsstor353Domain 0 done  
Stopping w-cmsstor353-disk-disk3Domain 0 1 2 3 done



Stopping w-cmsstor353-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor353-disk-disk1Domain 0 1 2 done  
Processing cmsstor354.fnal.gov  
Stopping gridftp-cmsstor354Domain 0 done  
Stopping w-cmsstor354-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor354-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor354-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor355.fnal.gov  
Stopping gridftp-cmsstor355Domain 0 1 done  
Stopping w-cmsstor355-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor355-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor355-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor356.fnal.gov  
Stopping gridftp-cmsstor356Domain 0 done  
Stopping w-cmsstor356-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor356-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor356-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor357.fnal.gov  
Stopping gridftp-cmsstor357Domain 0 1 done  
Stopping w-cmsstor357-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor357-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor357-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor358.fnal.gov  
Stopping gridftp-cmsstor358Domain 0 1 done  
Stopping w-cmsstor358-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor358-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor358-disk-disk1Domain 0 1 2 done  
Processing cmsstor359.fnal.gov  
Stopping gridftp-cmsstor359Domain 0 1 done  
Stopping w-cmsstor359-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor359-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor359-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor360.fnal.gov  
Stopping gridftp-cmsstor360Domain 0 1 done  
Stopping w-cmsstor360-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor360-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor360-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor361.fnal.gov  
Stopping gridftp-cmsstor361Domain 0 1 done  
Stopping w-cmsstor361-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor361-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor361-disk-disk1Domain 0 1 2 done  
Processing cmsstor362.fnal.gov  
Stopping gridftp-cmsstor362Domain 0 done  
Stopping w-cmsstor362-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor362-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor362-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor363.fnal.gov  
Stopping gridftp-cmsstor363Domain 0 1 done  
Stopping w-cmsstor363-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor363-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor363-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor364.fnal.gov  
Stopping gridftp-cmsstor364Domain 0 done  
Stopping w-cmsstor364-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor364-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor364-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor365.fnal.gov  
Stopping gridftp-cmsstor365Domain 0 done  
Stopping w-cmsstor365-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor365-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor365-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor366.fnal.gov  
Stopping gridftp-cmsstor366Domain 0 done  
Stopping w-cmsstor366-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor366-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor366-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor368.fnal.gov  
Stopping gridftp-cmsstor368Domain 0 1 done  
Stopping w-cmsstor368-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor368-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor368-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor369.fnal.gov  
Stopping gridftp-cmsstor369Domain 0 1 done  
Stopping w-cmsstor369-disk-disk3Domain 0 1 2 3 done

Stopping w-cmsstor369-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor369-disk-disk1Domain 0 1 2 done  
Processing cmsstor370.fnal.gov  
Stopping gridftp-cmsstor370Domain 0 1 2 done  
Stopping w-cmsstor370-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor370-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor370-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor371.fnal.gov  
Stopping gridftp-cmsstor371Domain 0 1 done  
Stopping w-cmsstor371-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor371-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor371-disk-disk1Domain 0 1 2 done  
Processing cmsstor372.fnal.gov  
Stopping gridftp-cmsstor372Domain 0 1 done  
Stopping w-cmsstor372-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor372-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor372-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor373.fnal.gov  
Stopping gridftp-cmsstor373Domain 0 done  
Stopping w-cmsstor373-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor373-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor373-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor374.fnal.gov  
Stopping gridftp-cmsstor374Domain 0 done  
Stopping w-cmsstor374-disk-disk3Domain 0 1 2 done  
Stopping w-cmsstor374-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor374-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor375.fnal.gov  
Stopping gridftp-cmsstor375Domain 0 1 done  
Stopping w-cmsstor375-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor375-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor375-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor376.fnal.gov  
Stopping gridftp-cmsstor376Domain 0 1 done  
Stopping w-cmsstor376-disk-disk3Domain 0 1 2 3 done  
Stopping w-cmsstor376-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor376-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor401.fnal.gov  
Stopping gridftp-cmsstor401Domain 0 1 done  
Stopping w-cmsstor401-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor401-disk-disk1Domain 0 1 2 done  
Processing cmsstor402.fnal.gov  
Stopping gridftp-cmsstor402Domain 0 1 done  
Stopping w-cmsstor402-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor402-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor403.fnal.gov  
Stopping gridftp-cmsstor403Domain 0 1 done  
Stopping w-cmsstor403-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor403-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor404.fnal.gov  
Stopping gridftp-cmsstor404Domain 0 1 done  
Stopping w-cmsstor404-disk-disk2Domain 0 1 2 done  
Stopping w-cmsstor404-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor405.fnal.gov  
Stopping gridftp-cmsstor405Domain 0 1 done  
Stopping w-cmsstor405-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor405-disk-disk1Domain 0 1 2 done  
Processing cmsstor406.fnal.gov  
Stopping gridftp-cmsstor406Domain 0 1 done  
Stopping w-cmsstor406-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor406-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor407.fnal.gov  
Stopping gridftp-cmsstor407Domain 0 1 done  
Stopping w-cmsstor407-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor407-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor408.fnal.gov  
Stopping gridftp-cmsstor408Domain 0 1 done  
Stopping w-cmsstor408-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor408-disk-disk1Domain 0 1 2 3 done  
Processing cmsstor409.fnal.gov  
Stopping gridftp-cmsstor409Domain 0 1 done  
Stopping w-cmsstor409-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor409-disk-disk1Domain 0 1 2 done  
Processing cmsstor410.fnal.gov  
Stopping gridftp-cmsstor410Domain 0 1 done

Stopping w-cmsstor410-disk-disk2Domain 0 1 2 3 done  
Stopping w-cmsstor410-disk-disk1Domain 0 1 2 done

real 65m15.657s  
user 0m9.738s  
sys 0m5.970s  
[root@cmsadmin1 DOWNTIME-Aug-5-2015]#

**#8 - 08/05/2015 01:59 PM - Natalia Ratnikova**

```
[root@cmsstor217 ~]# ls -l /var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof  
-rw-r--r-- 1 root root 4263443655 Nov 18 2014 /var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof  
[root@cmsstor217 ~]# rm /var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof  
rm: remove regular file `/var/log/dcache/w-cmsstor217-disk-disk2Domain-oom.hprof'? y
```

Start rebooting on all cmsstor1xx nodes (25 total)

```
[root@cmsconsole NR]# pssh -p 25 -h cmsstor1xx.names -t 0 -i "yum clean all; yum update -y; reboot now"  
[1] 13:39:30 [SUCCESS] cmsstor173  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[2] 13:39:31 [SUCCESS] cmsstor189  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[3] 13:39:31 [SUCCESS] cmsstor176  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[4] 13:39:31 [SUCCESS] cmsstor175  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[5] 13:39:31 [SUCCESS] cmsstor178  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[6] 13:39:31 [SUCCESS] cmsstor183  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[7] 13:39:31 [SUCCESS] cmsstor187  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security
```

: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[8] 13:39:32 [SUCCESS] cmsstor181  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[9] 13:39:32 [SUCCESS] cmsstor174  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[10] 13:39:32 [SUCCESS] cmsstor179  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[11] 13:39:32 [SUCCESS] cmsstor184  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[12] 13:39:32 [SUCCESS] cmsstor194  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[13] 13:39:32 [SUCCESS] cmsstor193  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[14] 13:39:32 [SUCCESS] cmsstor188  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[15] 13:39:32 [SUCCESS] cmsstor198  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security

Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[16] 13:39:32 [SUCCESS] cmsstor177  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[17] 13:39:32 [SUCCESS] cmsstor196  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[18] 13:39:33 [SUCCESS] cmsstor197  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[19] 13:39:33 [SUCCESS] cmsstor195  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
Stderr: Warning: No xauth data; using fake authentication data for X11 forwarding.  
[20] 13:39:33 [SUCCESS] cmsstor186  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
Stderr: Warning: No xauth data; using fake authentication data for X11 forwarding.  
[21] 13:39:33 [SUCCESS] cmsstor199  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[22] 13:39:33 [SUCCESS] cmsstor182  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process  
7900 packages excluded due to repository priority protections  
No Packages marked for Update  
[23] 13:39:34 [SUCCESS] cmsstor192  
Loaded plugins: priorities, security  
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security  
: slf-source slf6x slf6x-security uscmst1  
Cleaning up Everything  
Loaded plugins: priorities, security  
Setting up Update Process

```
7900 packages excluded due to repository priority protections
No Packages marked for Update
[24] 13:39:34 [SUCCESS] cmsstor185
Loaded plugins: priorities, security
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security
: slf-source slf6x slf6x-security uscmst1
Cleaning up Everything
Loaded plugins: priorities, security
Setting up Update Process
7900 packages excluded due to repository priority protections
No Packages marked for Update
[25] 13:39:34 [SUCCESS] cmsstor191
Loaded plugins: priorities, security
Cleaning repos: epel osg puppet puppet-deps slf slf-collections slf-security
: slf-source slf6x slf6x-security uscmst1
Cleaning up Everything
Loaded plugins: priorities, security
Setting up Update Process
7900 packages excluded due to repository priority protections
No Packages marked for Update
[root@cmsconsole NR]#
```

```
[root@cmsconsole NR]# for n in `cat cmsstor1xx.names`; do cmsgpower-cons $n; done
Connecting to node cmsstor173: ssh -x -t root:ttyS1@fcc-3-1061
Connecting to node cmsstor174: ssh -x -t root:ttyS2@fcc-3-1061
Connecting to node cmsstor175: ssh -x -t root:ttyS7@fcc-3-1062
Connecting to node cmsstor176: ssh -x -t root:ttyS6@fcc-3-1062
Connecting to node cmsstor177: ssh -x -t root:ttyS5@fcc-3-1062
Connecting to node cmsstor178: ssh -x -t root:ttyS4@fcc-3-1062
Connecting to node cmsstor179: ssh -x -t root:ttyS3@fcc-3-1062
Connecting to node cmsstor181: ssh -x -t root:ttyS1@fcc-3-1062
Connecting to node cmsstor182: ssh -x -t root:ttyS7@fcc-3-1063
Connecting to node cmsstor183: ssh -x -t root:ttyS6@fcc-3-1063
Connecting to node cmsstor184: ssh -x -t root:ttyS5@fcc-3-1063
Connecting to node cmsstor185: ssh -x -t root:ttyS4@fcc-3-1063
Connecting to node cmsstor186: ssh -x -t root:ttyS3@fcc-3-1063
Connecting to node cmsstor187: ssh -x -t root:ttyS2@fcc-3-1063
Connecting to node cmsstor188: ssh -x -t root:ttyS1@fcc-3-1063
Connecting to node cmsstor189: ssh -x -t root:ttyS7@fcc-3-1064
Connecting to node cmsstor191: ssh -x -t root:ttyS5@fcc-3-1064
Connecting to node cmsstor192: ssh -x -t root:ttyS4@fcc-3-1064
Connecting to node cmsstor193: ssh -x -t root:ttyS3@fcc-3-1064
Connecting to node cmsstor194: ssh -x -t root:ttyS2@fcc-3-1064
Connecting to node cmsstor195: ssh -x -t root:ttyS1@fcc-3-1064
Connecting to node cmsstor196: ssh -x -t root:ttyS7@fcc-3-1065
Connecting to node cmsstor197: ssh -x -t root:ttyS6@fcc-3-1065
Connecting to node cmsstor198: ssh -x -t root:ttyS5@fcc-3-1065
Connecting to node cmsstor199: ssh -x -t root:ttyS4@fcc-3-1065
[root@cmsconsole NR]#
```

```
[root@cmsconsole NR]# for n in `cat cmsstor1xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor173
13:46:54 up 3 min, 0 users, load average: 0.29, 0.31, 0.14 ===== cmsstor174
13:46:54 up 3 min, 0 users, load average: 0.10, 0.29, 0.15 ===== cmsstor175
13:46:55 up 3 min, 0 users, load average: 0.05, 0.16, 0.08 ===== cmsstor176
13:46:55 up 3 min, 0 users, load average: 0.22, 0.33, 0.16 ===== cmsstor177
13:46:56 up 3 min, 0 users, load average: 0.09, 0.24, 0.11 ===== cmsstor178
13:46:56 up 3 min, 0 users, load average: 0.28, 0.30, 0.14 ===== cmsstor179
13:46:57 up 3 min, 0 users, load average: 0.15, 0.35, 0.17 ===== cmsstor181
13:46:57 up 3 min, 0 users, load average: 0.07, 0.21, 0.10 ===== cmsstor182
13:46:58 up 3 min, 0 users, load average: 0.26, 0.30, 0.14 ===== cmsstor183
13:46:58 up 3 min, 0 users, load average: 0.12, 0.29, 0.14 ===== cmsstor184
13:46:59 up 2 min, 0 users, load average: 0.24, 0.20, 0.08 ===== cmsstor185
13:46:59 up 5 min, 0 users, load average: 0.01, 0.19, 0.12 ===== cmsstor186
ssh: connect to host cmsstor186 port 22: No route to host ===== cmsstor187
13:47:03 up 3 min, 0 users, load average: 0.16, 0.22, 0.09 ===== cmsstor188
13:47:03 up 6 min, 0 users, load average: 0.01, 0.16, 0.10 ===== cmsstor189
13:47:04 up 3 min, 0 users, load average: 0.08, 0.21, 0.10 ===== cmsstor191
13:47:04 up 3 min, 0 users, load average: 0.15, 0.25, 0.12 ===== cmsstor192
13:47:05 up 3 min, 0 users, load average: 0.18, 0.26, 0.12 ===== cmsstor193
13:47:06 up 3 min, 0 users, load average: 0.13, 0.34, 0.17 ===== cmsstor194
13:47:06 up 4 min, 0 users, load average: 0.10, 0.33, 0.16 ===== cmsstor195
13:47:07 up 4 min, 0 users, load average: 0.03, 0.21, 0.12 ===== cmsstor196
13:47:07 up 3 min, 0 users, load average: 0.10, 0.29, 0.15 ===== cmsstor197
13:47:08 up 3 min, 0 users, load average: 0.13, 0.22, 0.10 ===== cmsstor198
13:47:08 up 6 min, 0 users, load average: 0.04, 0.20, 0.13 ===== cmsstor199
```

13:47:09 up 3 min, 0 users, load average: 0.18, 0.40, 0.19  
[root@cmsconsole NR]#

#### #9 - 08/05/2015 02:05 PM - Natalia Ratnikova

```
[root@cmsdcacheadmindisk ~]# uptime
11:32:11 up 9 min, 2 users, load average: 0.00, 0.14, 0.13
[root@cmsdcacheadmindisk ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmsdcacheadmindisk ~]# yum update
Loaded plugins: priorities, security
Setting up Update Process
582 packages excluded due to repository priority protections
No Packages marked for Update
[root@cmsdcacheadmindisk ~]# dcache status
DOMAIN      STATUS PID USER
dirDomain   stopped root
billingDomain stopped root
httpdDomain stopped root
adminDoorDomain stopped root
dCacheDomain stopped root
[root@cmsdcacheadmindisk ~]# dcache start
Starting dirDomain done
Starting billingDomain done
Starting httpdDomain done
Starting adminDoorDomain done
Starting dCacheDomain done
[root@cmsdcacheadmindisk ~]#
```

```
[root@cmssrmdisk ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmssrmdisk ~]# yum update
Loaded plugins: priorities, security
Setting up Update Process
582 packages excluded due to repository priority protections
No Packages marked for Update
[root@cmssrmdisk ~]# dcache start
Starting nfsDomain.v3 done
Starting dcap-cmssrmdiskDomain done
Starting authdcap-cmssrmdiskDomain done
Starting gsidcap-cmssrmdiskDomain done
Starting xrootd-cmssrmdiskDomain done
Starting xrootdLFNs-cmssrmdiskDomain done
Starting utilityDomain done
Starting gPlazmaDomain done
Starting srm-cmssrmdiskDomain done
Starting transfermanagersDomain done
[root@cmssrmdisk ~]#
```

```
[root@cmschimeradisk ~]# uptime
11:39:58 up 1 min, 1 user, load average: 0.55, 0.30, 0.11
[root@cmschimeradisk ~]# facter kernelrelease
2.6.32-504.30.3.el6.x86_64
[root@cmschimeradisk ~]# yum update
Loaded plugins: priorities, security
Setting up Update Process
582 packages excluded due to repository priority protections
No Packages marked for Update
[root@cmschimeradisk ~]# dcache status
DOMAIN      STATUS PID USER
namespaceDomain stopped root
nfsDomain   stopped root
[root@cmschimeradisk ~]# dcache start
Starting namespaceDomain done
Starting nfsDomain done
[root@cmschimeradisk ~]# service postgresql-9.2 status
(pid 8144) is running...
[root@cmschimeradisk ~]# dcache status
DOMAIN      STATUS PID USER
namespaceDomain running 3052 root
nfsDomain   running 3149 root
[root@cmschimeradisk ~]#
```

#### #10 - 08/05/2015 02:08 PM - Natalia Ratnikova



```

[root@cmsconsole NR]# for n in `cat cmsstor2xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor201
13:57:28 up 175 days, 2:34, 0 users, load average: 0.20, 0.07, 0.06 ===== cmsstor202
13:57:28 up 27 days, 22:10, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor203
13:57:28 up 174 days, 23:52, 0 users, load average: 0.07, 0.03, 0.00 ===== cmsstor204
13:57:28 up 175 days, 2:33, 0 users, load average: 0.03, 0.02, 0.00 ===== cmsstor205
13:57:29 up 175 days, 2:34, 0 users, load average: 0.37, 0.13, 0.04 ===== cmsstor206
13:57:29 up 175 days, 2:36, 0 users, load average: 0.01, 0.01, 0.00 ===== cmsstor207
13:57:29 up 97 days, 20:09, 0 users, load average: 0.04, 0.03, 0.00 ===== cmsstor208
13:57:29 up 175 days, 2:34, 0 users, load average: 0.02, 0.01, 0.00 ===== cmsstor209
13:57:29 up 175 days, 2:34, 0 users, load average: 0.00, 0.03, 0.00 ===== cmsstor210
13:57:30 up 174 days, 23:54, 0 users, load average: 1.44, 1.87, 1.95 ===== cmsstor211
13:57:30 up 174 days, 23:52, 0 users, load average: 2.06, 2.02, 2.00 ===== cmsstor212
13:57:30 up 174 days, 23:51, 0 users, load average: 2.04, 2.03, 2.00 ===== cmsstor213
13:57:30 up 174 days, 23:53, 0 users, load average: 2.02, 2.01, 2.00 ===== cmsstor214
13:57:30 up 174 days, 21:43, 0 users, load average: 1.71, 1.96, 1.98 ===== cmsstor215
13:57:31 up 174 days, 23:51, 0 users, load average: 1.54, 1.78, 1.91 ===== cmsstor216
13:57:31 up 174 days, 23:53, 0 users, load average: 1.54, 1.86, 1.95 ===== cmsstor217
13:57:31 up 174 days, 23:50, 0 users, load average: 2.00, 2.00, 2.00 ===== cmsstor218
13:57:32 up 174 days, 23:50, 0 users, load average: 1.25, 1.69, 1.88 ===== cmsstor219
13:57:32 up 174 days, 23:50, 0 users, load average: 0.42, 1.38, 1.80 ===== cmsstor220
13:57:32 up 174 days, 23:50, 0 users, load average: 2.00, 2.00, 2.00 ===== cmsstor221
13:57:32 up 174 days, 23:50, 0 users, load average: 1.68, 1.93, 1.97 ===== cmsstor222
13:57:32 up 174 days, 23:49, 0 users, load average: 1.67, 1.93, 1.97 ===== cmsstor223
13:57:33 up 174 days, 21:39, 0 users, load average: 1.44, 1.86, 1.99 ===== cmsstor224
13:57:33 up 174 days, 21:43, 0 users, load average: 0.02, 0.01, 0.00 ===== cmsstor225
13:57:33 up 79 days, 5:05, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor226
13:57:33 up 174 days, 23:48, 0 users, load average: 1.61, 1.90, 1.97 ===== cmsstor227
13:57:33 up 174 days, 23:48, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor228
13:57:34 up 174 days, 23:48, 0 users, load average: 1.27, 1.70, 1.88 ===== cmsstor229
13:57:34 up 174 days, 21:43, 0 users, load average: 1.72, 1.94, 1.98 ===== cmsstor230
13:57:34 up 174 days, 23:48, 0 users, load average: 2.00, 2.00, 2.00 ===== cmsstor231
13:57:34 up 174 days, 21:43, 0 users, load average: 0.06, 0.06, 0.01 ===== cmsstor232
13:57:35 up 174 days, 21:42, 0 users, load average: 1.78, 1.97, 1.98 ===== cmsstor233
13:57:35 up 174 days, 23:47, 0 users, load average: 0.85, 1.60, 1.84 ===== cmsstor234
13:57:35 up 174 days, 23:47, 0 users, load average: 1.60, 1.21, 1.06 ===== cmsstor235
13:57:35 up 174 days, 23:47, 0 users, load average: 2.01, 2.02, 2.00 ===== cmsstor236
13:57:36 up 174 days, 21:43, 0 users, load average: 1.74, 1.98, 1.98 ===== cmsstor237
13:57:36 up 174 days, 21:43, 0 users, load average: 1.55, 1.91, 1.96 ===== cmsstor238
13:57:36 up 174 days, 23:46, 0 users, load average: 1.98, 2.00, 1.99 ===== cmsstor239
13:57:36 up 174 days, 23:46, 0 users, load average: 1.43, 1.84, 1.95 ===== cmsstor240
13:57:36 up 154 days, 21 min, 0 users, load average: 1.27, 1.78, 1.91 ===== cmsstor241
13:57:37 up 99 days, 16 min, 0 users, load average: 0.01, 0.02, 0.00 ===== cmsstor242
13:57:37 up 99 days, 21:53, 1 user, load average: 0.00, 0.00, 0.00 ===== cmsstor243
13:57:37 up 174 days, 23:45, 0 users, load average: 1.57, 1.88, 1.96 ===== cmsstor244
13:57:37 up 174 days, 23:45, 0 users, load average: 2.06, 2.01, 2.00 ===== cmsstor245
13:57:37 up 174 days, 21:42, 0 users, load average: 1.63, 1.94, 1.97 ===== cmsstor246
13:57:38 up 174 days, 23:45, 0 users, load average: 2.08, 2.05, 2.00 ===== cmsstor247
13:57:38 up 174 days, 23:44, 0 users, load average: 0.05, 0.05, 0.01 ===== cmsstor248
13:57:38 up 174 days, 23:44, 0 users, load average: 2.01, 2.03, 2.00 ===== cmsstor249
13:57:38 up 174 days, 23:44, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor250
13:57:38 up 174 days, 21:42, 0 users, load average: 1.32, 1.80, 1.93 ===== cmsstor251
13:57:39 up 174 days, 21:41, 0 users, load average: 1.84, 1.97, 1.99 ===== cmsstor261
13:57:39 up 174 days, 23:42, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor262
13:57:39 up 175 days, 2:34, 0 users, load average: 0.04, 0.08, 0.01 ===== cmsstor263
13:57:39 up 175 days, 2:34, 0 users, load average: 0.13, 0.05, 0.02 ===== cmsstor264
13:57:39 up 175 days, 2:34, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor265
13:57:40 up 48 days, 4:27, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor266
13:57:40 up 174 days, 23:42, 0 users, load average: 0.05, 0.01, 0.00 ===== cmsstor267
13:57:40 up 48 days, 2:03, 0 users, load average: 0.02, 0.03, 0.02 ===== cmsstor268
13:57:40 up 175 days, 2:34, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor269
13:57:40 up 152 days, 23:05, 0 users, load average: 0.07, 0.04, 0.00 ===== cmsstor270
13:57:41 up 28 days, 6:38, 0 users, load average: 0.08, 0.06, 0.07 ===== cmsstor271
13:57:41 up 66 days, 5:24, 0 users, load average: 0.10, 0.04, 0.01 ===== cmsstor272
13:57:41 up 174 days, 23:42, 0 users, load average: 0.01, 0.03, 0.00 ===== cmsstor273
13:57:41 up 174 days, 23:41, 0 users, load average: 0.01, 0.01, 0.00 ===== cmsstor274
13:57:41 up 174 days, 23:41, 0 users, load average: 0.04, 0.03, 0.00 ===== cmsstor275
13:57:41 up 140 days, 4:10, 0 users, load average: 0.02, 0.03, 0.02 ===== cmsstor276
13:57:42 up 62 days, 2:37, 0 users, load average: 0.01, 0.02, 0.02 ===== cmsstor277
13:57:42 up 2 days, 16:19, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor278
13:57:42 up 174 days, 23:40, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor279
13:57:42 up 57 days, 4:02, 0 users, load average: 0.11, 0.11, 0.09 ===== cmsstor280
13:57:42 up 174 days, 23:40, 0 users, load average: 0.02, 0.05, 0.05 ===== cmsstor281
13:57:43 up 174 days, 23:39, 0 users, load average: 0.04, 0.02, 0.00 ===== cmsstor282
13:57:43 up 174 days, 23:40, 0 users, load average: 0.13, 0.09, 0.04 ===== cmsstor283
13:57:43 up 18 days, 12:19, 0 users, load average: 0.01, 0.03, 0.00 ===== cmsstor284

```

```
13:57:43 up 27 days, 14:20, 0 users, load average: 0.18, 0.14, 0.08 ===== cmsstor285
13:57:43 up 27 days, 3:50, 0 users, load average: 0.08, 0.02, 0.01 ===== cmsstor286
13:57:43 up 43 days, 23:47, 0 users, load average: 0.10, 0.06, 0.00 ===== cmsstor287
13:57:44 up 125 days, 23:36, 0 users, load average: 0.01, 0.02, 0.00 ===== cmsstor288
13:57:44 up 111 days, 23:59, 0 users, load average: 0.38, 0.17, 0.11 ===== cmsstor289
13:57:44 up 174 days, 23:38, 0 users, load average: 0.18, 0.18, 0.12 ===== cmsstor290
13:57:44 up 47 days, 3:36, 0 users, load average: 0.04, 0.03, 0.00 ===== cmsstor291
13:57:44 up 174 days, 23:38, 0 users, load average: 0.10, 0.11, 0.04 ===== cmsstor292
13:57:45 up 174 days, 23:38, 0 users, load average: 0.03, 0.05, 0.00 ===== cmsstor293
13:57:45 up 174 days, 23:37, 0 users, load average: 0.02, 0.06, 0.03 ===== cmsstor294
13:57:45 up 174 days, 23:38, 0 users, load average: 0.02, 0.05, 0.02
```

```
[root@cmsconsole NR]# wc /etc/cmsstor2xx.names
```

```
85 /etc/cmsstor2xx.names
```

```
[root@cmsconsole NR]# date; psch -p 30 -h cmsstor2xx.names -t 0 -i "yum clean all; yum update -y; reboot now" 2>&1 | tee
cmsstor2xx.upgrades.log; date
```

```
Wed Aug 5 13:58:56 CDT 2015
```

```
[1] 14:00:09 [SUCCESS] cmsstor201
```

```
Loaded plugins: priorities, security
```

```
Cleaning repos: epel-osp puppet puppet-deps slf slf-collections slf-security
```

```
: slf-source slf6x slf6x-security usomst1
```

```
Cleaning up Everything
```

```
Loaded plugins: priorities, security
```

```
Setting up Update Process
```

```
7900 packages excluded due to repository priority protections
```

```
Resolving Dependencies
```

```
--> Running transaction check
```

```
---> Package kernel.x86_64 0:2.6.32-504.30.3.el6 will be installed
```

```
---> Package kernel-firmware.noarch 0:2.6.32-504.23.4.el6 will be updated
```

```
---> Package kernel-firmware.noarch 0:2.6.32-504.30.3.el6 will be an update
```

```
---> Package kernel-headers.x86_64 0:2.6.32-504.8.1.el6 will be updated
```

```
---> Package kernel-headers.x86_64 0:2.6.32-504.30.3.el6 will be an update
```

```
--> Finished Dependency Resolution
```

```
--> Running transaction check
```

```
---> Package kernel.x86_64 0:2.6.32-504.1.3.el6 will be erased
```

```
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
```

| Package         | Arch   | Version             | Repository   | Size  |
|-----------------|--------|---------------------|--|-------|
| Installing:     |        |                     |  |       |
| kernel          | x86_64 | 2.6.32-504.30.3.el6 | slf-security                                       | 29 M  |
| Updating:       |        |                     |  |       |
| kernel-firmware | noarch | 2.6.32-504.30.3.el6 | slf-security                                       | 14 M  |
| kernel-headers  | x86_64 | 2.6.32-504.30.3.el6 | slf-security                                       | 3.4 M |
| Removing:       |        |                     |  |       |
| kernel          | x86_64 | 2.6.32-504.1.3.el6  | @anaconda-SLFSecurityUpdates-201402061501.x86_64/6 | 124 M |

```
Transaction Summary =====
Install 1 Package(s)
Upgrade 2 Package(s)
Remove 1 Package(s)
```

.... continuous output all goes into the log and onto the screen ....

Replaced:

```
golang-vim.noarch 0:1.2.2-7.el6
```

Complete!

```
Wed Aug 5 14:08:10 CDT 2015
```

### #11 - 08/05/2015 02:22 PM - Natalia Ratnikova

```
[root@cmsconsole NR]# for n in `cat cmsstor3xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor309
```

```
14:09:20 up 175 days, 2:47, 0 users, load average: 0.09, 0.04, 0.01 ===== cmsstor310
```

```
14:09:21 up 175 days, 2:47, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor311
```

```
14:09:21 up 175 days, 2:47, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor312
```

```
14:09:21 up 175 days, 2:47, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor313
```

```
14:09:21 up 174 days, 23:50, 0 users, load average: 0.02, 0.01, 0.00 ===== cmsstor314
```

```
14:09:21 up 175 days, 2:47, 0 users, load average: 0.00, 0.01, 0.00 ===== cmsstor315
```

```
14:09:22 up 175 days, 2:47, 0 users, load average: 0.18, 0.06, 0.01 ===== cmsstor316
```

```
14:09:22 up 175 days, 2:47, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor317
```

```
14:09:22 up 156 days, 1:28, 0 users, load average: 0.13, 0.32, 0.29 ===== cmsstor318
```

```
14:09:22 up 175 days, 2:47, 0 users, load average: 0.03, 0.02, 0.00 ===== cmsstor319
14:09:22 up 175 days, 2:47, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor320
14:09:22 up 34 days, 20 min, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor321
14:09:23 up 175 days, 2:47, 0 users, load average: 0.05, 0.03, 0.00 ===== cmsstor322
14:09:23 up 175 days, 2:46, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor323
14:09:23 up 9 days, 2:19, 0 users, load average: 0.00, 0.01, 0.00 ===== cmsstor324
14:09:23 up 9 days, 1:22, 0 users, load average: 0.01, 0.02, 0.00 ===== cmsstor325
14:09:23 up 9 days, 1:08, 0 users, load average: 0.00, 0.03, 0.00 ===== cmsstor326
14:09:24 up 9 days, 58 min, 0 users, load average: 0.28, 0.08, 0.02 ===== cmsstor327
14:09:24 up 9 days, 49 min, 0 users, load average: 0.16, 0.03, 0.01 ===== cmsstor328
14:09:24 up 9 days, 44 min, 0 users, load average: 0.03, 0.02, 0.00 ===== cmsstor329
14:09:24 up 9 days, 30 min, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor330
14:09:24 up 9 days, 20 min, 0 users, load average: 0.14, 0.10, 0.03 ===== cmsstor331
14:09:25 up 9 days, 10 min, 0 users, load average: 0.03, 0.05, 0.00 ===== cmsstor332
14:09:25 up 9 days, 1 min, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor333
14:09:25 up 8 days, 23:51, 0 users, load average: 0.00, 0.02, 0.05 ===== cmsstor334
14:09:25 up 8 days, 23:43, 0 users, load average: 0.10, 0.07, 0.01 ===== cmsstor335
14:09:25 up 8 days, 23:34, 0 users, load average: 0.09, 0.11, 0.04 ===== cmsstor336
14:09:25 up 8 days, 23:27, 0 users, load average: 0.08, 0.02, 0.01 ===== cmsstor337
14:09:26 up 8 days, 23:18, 0 users, load average: 0.00, 0.02, 0.04 ===== cmsstor338
14:09:26 up 8 days, 22:57, 0 users, load average: 0.17, 0.12, 0.04 ===== cmsstor339
14:09:26 up 8 days, 22:52, 0 users, load average: 0.10, 0.06, 0.02 ===== cmsstor340
14:09:26 up 8 days, 22:46, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor341
14:09:27 up 11 days, 22:06, 0 users, load average: 0.18, 0.08, 0.02 ===== cmsstor342
14:09:27 up 8 days, 22:36, 0 users, load average: 0.03, 0.04, 0.00 ===== cmsstor343
14:09:27 up 154 days, 2:45, 0 users, load average: 0.07, 0.02, 0.00 ===== cmsstor344
14:09:27 up 175 days, 2:45, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor345
14:09:27 up 175 days, 2:45, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor346
14:09:27 up 175 days, 2:45, 0 users, load average: 0.08, 0.05, 0.01 ===== cmsstor347
14:09:28 up 135 days, 4:46, 0 users, load average: 0.09, 0.08, 0.08 ===== cmsstor348
14:09:28 up 166 days, 22:26, 0 users, load average: 0.03, 0.06, 0.06 ===== cmsstor349
14:09:28 up 5 days, 23:54, 0 users, load average: 0.18, 0.20, 0.17 ===== cmsstor350
14:09:28 up 175 days, 2:46, 0 users, load average: 0.00, 0.02, 0.00 ===== cmsstor351
14:09:28 up 160 days, 3:51, 0 users, load average: 0.02, 0.01, 0.00 ===== cmsstor352
14:09:29 up 175 days, 2:46, 0 users, load average: 0.01, 0.04, 0.05 ===== cmsstor353
14:09:29 up 29 days, 3:41, 0 users, load average: 0.12, 0.07, 0.01 ===== cmsstor354
14:09:29 up 175 days, 2:45, 0 users, load average: 0.15, 0.03, 0.01 ===== cmsstor355
14:09:29 up 175 days, 2:46, 0 users, load average: 0.02, 0.04, 0.00 ===== cmsstor356
14:09:29 up 62 days, 3:12, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor357
14:09:30 up 175 days, 2:45, 0 users, load average: 0.23, 0.13, 0.08 ===== cmsstor358
14:09:30 up 132 days, 7:29, 0 users, load average: 0.02, 0.04, 0.00 ===== cmsstor359
14:09:30 up 175 days, 2:45, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor360
14:09:30 up 55 days, 3:48, 0 users, load average: 0.02, 0.03, 0.01 ===== cmsstor361
14:09:30 up 175 days, 2:45, 0 users, load average: 0.02, 0.02, 0.00 ===== cmsstor362
14:09:31 up 175 days, 2:46, 0 users, load average: 0.27, 0.12, 0.03 ===== cmsstor363
14:09:31 up 85 days, 25 min, 0 users, load average: 0.07, 0.06, 0.05 ===== cmsstor364
14:09:31 up 70 days, 4:35, 0 users, load average: 0.05, 0.03, 0.00 ===== cmsstor365
14:09:31 up 161 days, 21:19, 0 users, load average: 0.03, 0.05, 0.00 ===== cmsstor366
14:09:32 up 86 days, 4:09, 0 users, load average: 0.02, 0.03, 0.00 ===== cmsstor368
14:09:32 up 175 days, 2:46, 0 users, load average: 0.04, 0.05, 0.00 ===== cmsstor369
14:09:32 up 174 days, 23:50, 0 users, load average: 0.06, 0.26, 0.25 ===== cmsstor370
14:09:32 up 174 days, 23:50, 0 users, load average: 0.05, 0.03, 0.02 ===== cmsstor371
14:09:32 up 175 days, 2:46, 0 users, load average: 0.02, 0.03, 0.00 ===== cmsstor372
14:09:33 up 175 days, 2:46, 0 users, load average: 0.10, 0.06, 0.01 ===== cmsstor373
14:09:33 up 139 days, 21:23, 0 users, load average: 0.24, 0.07, 0.06 ===== cmsstor374
14:09:33 up 26 days, 21:30, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor375
14:09:33 up 149 days, 3:14, 0 users, load average: 0.07, 0.03, 0.00 ===== cmsstor376
14:09:34 up 175 days, 2:46, 0 users, load average: 0.13, 0.06, 0.02
```

```
[root@cmsconsole NR]# wc -l cmsstor3xx.names
```

```
67 cmsstor3xx.names
```

```
[root@cmsconsole NR]# date; pssh -p 30 -h cmsstor3xx.names -t 0 -i "yum clean all; yum update -y; reboot now" 2>&1 | tee cmsstor2xx.
```

```
cmsstor2xx.names      cmsstor2xx.upgrades.log
```

```
[root@cmsconsole NR]# date; pssh -p 30 -h cmsstor3xx.names -t 0 -i "yum clean all; yum update -y; reboot now" 2>&1 | tee cmsstor3xx.upgrades.log
```

```
; date
```

```
Wed Aug 5 14:10:32 CDT 2015
```

```
[.....output in the log ... ]
```

```
kernel-firmware.noarch 0:2.6.32-504.30.3.el6
```

```
kernel-headers.x86_64 0:2.6.32-504.30.3.el6
```

```
Complete!
```

```
Stderr: Warning: RPMDB altered outside of yum.
```

```
Wed Aug 5 14:14:34 CDT 2015
```

CHeck all 2xx and 3xx nodes are up:

```
[root@cmsconsole NR]# for n in `cat cmsstor2xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor201
```

```
14:13:35 up 10 min, 0 users, load average: 0.15, 0.15, 0.10 ===== cmsstor202
14:13:36 up 8 min, 0 users, load average: 0.24, 0.29, 0.18 ===== cmsstor203
14:13:37 up 9 min, 0 users, load average: 0.32, 0.30, 0.18 ===== cmsstor204
14:13:38 up 9 min, 0 users, load average: 0.14, 0.26, 0.18 ===== cmsstor205
14:13:39 up 9 min, 0 users, load average: 0.06, 0.15, 0.11 ===== cmsstor206
14:13:40 up 11 min, 0 users, load average: 0.12, 0.19, 0.13 ===== cmsstor207
14:13:41 up 9 min, 0 users, load average: 0.04, 0.16, 0.13 ===== cmsstor208
14:13:42 up 9 min, 0 users, load average: 0.27, 0.27, 0.18 ===== cmsstor209
14:13:42 up 9 min, 0 users, load average: 0.15, 0.21, 0.16 ===== cmsstor210
14:13:43 up 10 min, 0 users, load average: 0.19, 0.20, 0.15 ===== cmsstor211
14:13:44 up 2 min, 0 users, load average: 1.25, 0.62, 0.23 ===== cmsstor212
14:13:44 up 6 min, 0 users, load average: 0.13, 0.24, 0.12 ===== cmsstor213
14:13:45 up 8 min, 0 users, load average: 0.04, 0.15, 0.11 ===== cmsstor214
14:13:46 up 10 min, 0 users, load average: 0.20, 0.22, 0.16 ===== cmsstor215
14:13:46 up 7 min, 0 users, load average: 0.01, 0.12, 0.08 ===== cmsstor216
14:13:47 up 10 min, 0 users, load average: 0.16, 0.25, 0.18 ===== cmsstor217
14:13:48 up 6 min, 0 users, load average: 0.07, 0.22, 0.13 ===== cmsstor218
14:13:49 up 1 min, 0 users, load average: 1.66, 0.57, 0.20 ===== cmsstor219
14:13:50 up 8 min, 0 users, load average: 0.20, 0.23, 0.15 ===== cmsstor220
14:13:50 up 6 min, 0 users, load average: 0.03, 0.18, 0.10 ===== cmsstor221
14:13:51 up 7 min, 0 users, load average: 0.04, 0.17, 0.10 ===== cmsstor222
14:13:52 up 7 min, 0 users, load average: 0.15, 0.20, 0.12 ===== cmsstor223
14:13:52 up 8 min, 0 users, load average: 0.01, 0.14, 0.12 ===== cmsstor224
14:13:53 up 12 min, 0 users, load average: 0.16, 0.14, 0.12 ===== cmsstor225
14:13:54 up 9 min, 0 users, load average: 0.01, 0.15, 0.13 ===== cmsstor226
14:13:55 up 7 min, 0 users, load average: 0.08, 0.20, 0.12 ===== cmsstor227
14:13:55 up 10 min, 0 users, load average: 0.17, 0.18, 0.14 ===== cmsstor228
14:13:57 up 7 min, 0 users, load average: 0.07, 0.24, 0.16 ===== cmsstor229
14:13:57 up 9 min, 0 users, load average: 0.23, 0.22, 0.16 ===== cmsstor230
14:13:58 up 6 min, 0 users, load average: 0.04, 0.16, 0.10 ===== cmsstor231
14:13:59 up 11 min, 0 users, load average: 0.07, 0.12, 0.10 ===== cmsstor232
14:14:00 up 9 min, 0 users, load average: 0.07, 0.19, 0.15 ===== cmsstor233
14:14:00 up 8 min, 0 users, load average: 0.07, 0.21, 0.16 ===== cmsstor234
14:14:01 up 6 min, 0 users, load average: 0.18, 0.35, 0.20 ===== cmsstor235
14:14:01 up 4 min, 0 users, load average: 0.09, 0.30, 0.15 ===== cmsstor236
14:14:02 up 9 min, 0 users, load average: 0.05, 0.16, 0.12 ===== cmsstor237
14:14:03 up 5 min, 0 users, load average: 0.05, 0.30, 0.18 ===== cmsstor238
14:14:04 up 6 min, 0 users, load average: 0.09, 0.23, 0.14 ===== cmsstor239
14:14:04 up 6 min, 0 users, load average: 0.04, 0.31, 0.20 ===== cmsstor240
14:14:05 up 6 min, 0 users, load average: 0.04, 0.24, 0.15 ===== cmsstor241
14:14:06 up 7 min, 0 users, load average: 0.18, 0.29, 0.18 ===== cmsstor242
14:14:06 up 9 min, 0 users, load average: 0.12, 0.14, 0.09 ===== cmsstor243
14:14:07 up 5 min, 0 users, load average: 0.08, 0.25, 0.15 ===== cmsstor244
14:14:07 up 5 min, 0 users, load average: 0.16, 0.30, 0.17 ===== cmsstor245
14:14:08 up 7 min, 0 users, load average: 0.04, 0.18, 0.13 ===== cmsstor246
14:14:08 up 5 min, 0 users, load average: 0.13, 0.28, 0.16 ===== cmsstor247
14:14:09 up 6 min, 0 users, load average: 0.09, 0.22, 0.15 ===== cmsstor248
14:14:09 up 4 min, 0 users, load average: 0.15, 0.18, 0.09 ===== cmsstor249
14:14:10 up 6 min, 0 users, load average: 0.38, 0.36, 0.20 ===== cmsstor250
14:14:10 up 7 min, 0 users, load average: 0.06, 0.17, 0.11 ===== cmsstor251
14:14:11 up 7 min, 0 users, load average: 0.06, 0.18, 0.12 ===== cmsstor261
14:14:12 up 7 min, 0 users, load average: 0.37, 0.58, 0.35 ===== cmsstor262
14:14:12 up 6 min, 0 users, load average: 0.21, 0.41, 0.25 ===== cmsstor263
14:14:13 up 7 min, 0 users, load average: 0.33, 0.48, 0.29 ===== cmsstor264
14:14:13 up 6 min, 0 users, load average: 0.31, 0.47, 0.27 ===== cmsstor265
14:14:13 up 6 min, 0 users, load average: 0.53, 0.61, 0.33 ===== cmsstor266
14:14:14 up 7 min, 0 users, load average: 0.43, 0.64, 0.37 ===== cmsstor267
14:14:14 up 7 min, 0 users, load average: 0.35, 0.64, 0.38 ===== cmsstor268
14:14:15 up 6 min, 0 users, load average: 0.82, 0.85, 0.43 ===== cmsstor269
14:14:15 up 6 min, 0 users, load average: 0.07, 0.34, 0.21 ===== cmsstor270
14:14:16 up 6 min, 0 users, load average: 0.60, 0.71, 0.39 ===== cmsstor271
14:14:16 up 6 min, 0 users, load average: 0.67, 0.81, 0.44 ===== cmsstor272
14:14:17 up 7 min, 0 users, load average: 0.27, 0.50, 0.30 ===== cmsstor273
14:14:17 up 6 min, 0 users, load average: 0.52, 0.58, 0.31 ===== cmsstor274
14:14:17 up 6 min, 0 users, load average: 0.42, 0.49, 0.27 ===== cmsstor275
14:14:18 up 7 min, 0 users, load average: 0.76, 0.73, 0.39 ===== cmsstor276
14:14:18 up 6 min, 0 users, load average: 0.18, 0.42, 0.26 ===== cmsstor277
14:14:19 up 6 min, 0 users, load average: 0.49, 0.57, 0.31 ===== cmsstor278
14:14:19 up 6 min, 0 users, load average: 0.31, 0.41, 0.23 ===== cmsstor279
14:14:19 up 5 min, 0 users, load average: 0.47, 0.53, 0.27 ===== cmsstor280
14:14:20 up 6 min, 0 users, load average: 0.34, 0.79, 0.45 ===== cmsstor281
14:14:20 up 6 min, 0 users, load average: 1.02, 0.85, 0.42 ===== cmsstor282
14:14:21 up 6 min, 0 users, load average: 0.57, 0.57, 0.31 ===== cmsstor283
```

```
14:14:21 up 6 min, 0 users, load average: 0.32, 0.45, 0.25 ===== cmsstor284
14:14:22 up 6 min, 0 users, load average: 0.44, 0.55, 0.31 ===== cmsstor285
14:14:22 up 6 min, 0 users, load average: 0.49, 0.59, 0.35 ===== cmsstor286
14:14:22 up 7 min, 0 users, load average: 0.35, 0.58, 0.35 ===== cmsstor287
14:14:23 up 6 min, 0 users, load average: 0.80, 0.66, 0.35 ===== cmsstor288
14:14:23 up 6 min, 0 users, load average: 0.20, 0.28, 0.17 ===== cmsstor289
14:14:24 up 6 min, 0 users, load average: 0.26, 0.34, 0.19 ===== cmsstor290
14:14:24 up 6 min, 0 users, load average: 0.45, 0.62, 0.34 ===== cmsstor291
14:14:25 up 5 min, 0 users, load average: 0.48, 0.66, 0.35 ===== cmsstor292
14:14:25 up 6 min, 0 users, load average: 0.30, 0.30, 0.18 ===== cmsstor293
14:14:26 up 6 min, 0 users, load average: 0.40, 0.69, 0.36 ===== cmsstor294
14:14:26 up 6 min, 0 users, load average: 0.71, 0.72, 0.38
[root@cmsconsole NR]#
```

```
[root@cmsconsole NR]# for n in `cat cmsstor3xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor309
```

```
14:16:10 up 1 min, 0 users, load average: 1.06, 0.40, 0.14 ===== cmsstor310
14:16:10 up 1 min, 0 users, load average: 1.80, 0.63, 0.22 ===== cmsstor311
14:16:11 up 1 min, 0 users, load average: 1.22, 0.44, 0.16 ===== cmsstor312
14:16:11 up 1 min, 0 users, load average: 1.05, 0.39, 0.14 ===== cmsstor313
14:16:12 up 1 min, 0 users, load average: 1.01, 0.38, 0.13 ===== cmsstor314
14:16:12 up 1 min, 0 users, load average: 0.65, 0.26, 0.09 ===== cmsstor315
14:16:13 up 1 min, 0 users, load average: 1.37, 0.52, 0.18 ===== cmsstor316
14:16:14 up 1 min, 0 users, load average: 1.44, 0.49, 0.17 ===== cmsstor317
ssh: connect to host cmsstor317 port 22: Connection timed out ===== cmsstor318
14:17:17 up 2 min, 0 users, load average: 0.48, 0.33, 0.13 ===== cmsstor319
14:17:17 up 2 min, 0 users, load average: 0.46, 0.39, 0.16 ===== cmsstor320
14:17:18 up 2 min, 0 users, load average: 0.45, 0.32, 0.12 ===== cmsstor321
14:17:18 up 2 min, 0 users, load average: 0.68, 0.55, 0.22 ===== cmsstor322
14:17:19 up 1 min, 0 users, load average: 1.29, 0.59, 0.21 ===== cmsstor323
14:17:19 up 3 min, 0 users, load average: 0.73, 0.68, 0.29 ===== cmsstor324
14:17:20 up 2 min, 0 users, load average: 1.19, 0.75, 0.29 ===== cmsstor325
14:17:20 up 3 min, 0 users, load average: 1.21, 0.91, 0.37 ===== cmsstor326
14:17:20 up 2 min, 0 users, load average: 1.45, 0.98, 0.39 ===== cmsstor327
14:17:21 up 2 min, 0 users, load average: 1.14, 0.77, 0.31 ===== cmsstor328
14:17:21 up 2 min, 0 users, load average: 1.53, 0.91, 0.36 ===== cmsstor329
14:17:22 up 2 min, 0 users, load average: 1.21, 0.77, 0.30 ===== cmsstor330
14:17:22 up 2 min, 0 users, load average: 2.11, 1.10, 0.42 ===== cmsstor331
14:17:23 up 2 min, 0 users, load average: 2.70, 1.38, 0.53 ===== cmsstor332
14:17:23 up 2 min, 0 users, load average: 1.30, 0.89, 0.37 ===== cmsstor333
14:17:23 up 3 min, 0 users, load average: 1.34, 1.28, 0.55 ===== cmsstor334
14:17:24 up 3 min, 0 users, load average: 1.39, 0.80, 0.32 ===== cmsstor335
14:17:24 up 3 min, 0 users, load average: 0.99, 0.65, 0.27 ===== cmsstor336
14:17:25 up 2 min, 0 users, load average: 1.31, 0.99, 0.40 ===== cmsstor337
14:17:25 up 2 min, 0 users, load average: 1.23, 0.78, 0.31 ===== cmsstor338
14:17:26 up 3 min, 0 users, load average: 0.68, 0.65, 0.27 ===== cmsstor339
14:17:26 up 1 min, 0 users, load average: 1.99, 0.61, 0.21 ===== cmsstor340
14:17:26 up 2 min, 0 users, load average: 1.49, 0.89, 0.35 ===== cmsstor341
14:17:28 up 2 min, 0 users, load average: 0.41, 0.50, 0.22 ===== cmsstor342
14:17:27 up 2 min, 0 users, load average: 1.12, 0.74, 0.30 ===== cmsstor343
14:17:28 up 2 min, 0 users, load average: 1.53, 0.76, 0.29 ===== cmsstor344
14:17:28 up 2 min, 0 users, load average: 2.03, 0.88, 0.33 ===== cmsstor345
14:17:29 up 2 min, 0 users, load average: 2.05, 0.94, 0.35 ===== cmsstor346
14:17:29 up 2 min, 0 users, load average: 1.90, 0.90, 0.34 ===== cmsstor347
14:17:29 up 1 min, 0 users, load average: 2.27, 0.75, 0.26 ===== cmsstor348
14:17:30 up 1 min, 0 users, load average: 2.65, 0.81, 0.28 ===== cmsstor349
14:17:30 up 1 min, 0 users, load average: 0.93, 0.51, 0.19 ===== cmsstor350
14:17:31 up 2 min, 0 users, load average: 1.08, 0.67, 0.27 ===== cmsstor351
14:17:31 up 2 min, 0 users, load average: 2.75, 1.27, 0.48 ===== cmsstor352
14:17:32 up 1 min, 0 users, load average: 2.32, 0.86, 0.31 ===== cmsstor353
ssh: connect to host cmsstor353 port 22: No route to host ===== cmsstor354
14:17:50 up 2 min, 0 users, load average: 1.32, 0.67, 0.26 ===== cmsstor355
14:17:51 up 1 min, 0 users, load average: 2.36, 0.89, 0.32 ===== cmsstor356
14:17:51 up 2 min, 0 users, load average: 1.80, 1.06, 0.42 ===== cmsstor357
14:17:52 up 1 min, 0 users, load average: 3.01, 0.92, 0.32 ===== cmsstor358
14:17:52 up 2 min, 0 users, load average: 2.02, 0.93, 0.35 ===== cmsstor359
14:17:53 up 1 min, 0 users, load average: 2.44, 0.97, 0.35 ===== cmsstor360
14:17:53 up 1 min, 0 users, load average: 2.94, 0.80, 0.27 ===== cmsstor361
14:17:53 up 1 min, 0 users, load average: 2.13, 0.79, 0.29 ===== cmsstor362
14:17:54 up 2 min, 0 users, load average: 2.36, 1.21, 0.46 ===== cmsstor363
14:17:54 up 1 min, 0 users, load average: 2.50, 0.90, 0.32 ===== cmsstor364
14:17:55 up 1 min, 0 users, load average: 2.40, 0.75, 0.26 ===== cmsstor365
14:17:55 up 1 min, 0 users, load average: 3.20, 0.97, 0.34 ===== cmsstor366
14:17:56 up 1 min, 0 users, load average: 3.29, 1.00, 0.35 ===== cmsstor368
14:17:56 up 1 min, 0 users, load average: 2.04, 0.69, 0.24 ===== cmsstor369
ssh: connect to host cmsstor369 port 22: Connection timed out ===== cmsstor370
```

```
14:19:00 up 2 min, 0 users, load average: 0.84, 0.54, 0.21 ===== cmsstor371
14:19:00 up 2 min, 0 users, load average: 1.20, 0.84, 0.34 ===== cmsstor372
14:19:01 up 3 min, 0 users, load average: 0.86, 0.85, 0.36 ===== cmsstor373
14:19:01 up 3 min, 0 users, load average: 1.57, 1.10, 0.45 ===== cmsstor374
14:19:02 up 3 min, 0 users, load average: 1.32, 1.02, 0.44 ===== cmsstor375
14:19:02 up 3 min, 0 users, load average: 1.86, 1.17, 0.48 ===== cmsstor376
14:19:03 up 2 min, 0 users, load average: 2.00, 1.08, 0.42
[root@cmsconsole NR]#
```

THree nodes are not up yet:

```
cmsstor317
cmsstor353
cmsstor369
```

Proceeding with ten 4xx nodes :

```
[root@cmsconsole NR]# wc -l cmsstor4xx.names
10 cmsstor4xx.names
```

```
[root@cmsconsole NR]# for n in `cat cmsstor4xx.names`; do echo ===== $n; ssh $n "uptime"; done ===== cmsstor401
```

```
14:17:16 up 175 days, 18:57, 0 users, load average: 0.15, 0.14, 0.15 ===== cmsstor402
14:17:16 up 175 days, 19:03, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor403
14:17:16 up 175 days, 19:03, 0 users, load average: 0.11, 0.16, 0.17 ===== cmsstor404
14:17:17 up 175 days, 19:03, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor405
14:17:17 up 175 days, 19:03, 0 users, load average: 0.12, 0.03, 0.01 ===== cmsstor406
14:17:17 up 175 days, 19:03, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor407
14:17:17 up 175 days, 19:03, 0 users, load average: 0.23, 0.24, 0.12 ===== cmsstor408
14:17:18 up 175 days, 19:03, 0 users, load average: 0.00, 0.00, 0.00 ===== cmsstor409
14:17:18 up 26 days, 18:05, 0 users, load average: 0.06, 0.02, 0.00 ===== cmsstor410
14:17:18 up 26 days, 17:59, 0 users, load average: 0.09, 0.04, 0.00
```

```
[root@cmsconsole NR]# date; pssh -p 10 -h cmsstor4xx.names -t 0 -i "yum clean all; yum update -y; reboot now" 2>&1 | tee cmsstor4xx.upgrades.log
; date
Wed Aug 5 14:18:01 CDT 2015
[1] 14:19:11 [SUCCESS] cmsstor409
Loaded plugins: priorities, security
[... ]
```

```
kernel-headers.x86_64 0:2.6.32-504.30.3.el6
```

Complete!

```
Wed Aug 5 14:19:43 CDT 2015
```

#### #12 - 08/05/2015 03:53 PM - Natalia Ratnikova

```
[root@cmsconsole NR]# for n in cmsstor317 cmsstor369 cmsstor401 cmsstor403; do cmspower-powerit -a cycle -c "Reboot for kernel upgrade " $n;
done === cmsstor317 ===
connecting to APC APCCMS1055-2, outlet 22
Outlet state: OFF
connecting to APC APCCMS1055-2, outlet 22
Outlet state: ON === cmsstor369 ===
connecting to APC APCCMS1057-2, outlet 2
Outlet state: OFF
connecting to APC APCCMS1057-2, outlet 2
Outlet state: ON === cmsstor401 ===
connecting to APC apccms1570-1, outlet 1
Outlet state: OFF
connecting to APC apccms1570-1, outlet 1
Outlet state: ON === cmsstor403 ===
connecting to APC apccms1570-1, outlet 6
Outlet state: OFF
connecting to APC apccms1570-1, outlet 6
Outlet state: ON
```

#### #13 - 08/05/2015 03:59 PM - Natalia Ratnikova

Gerard did:

```
[root@cmsadmin1 ~]# pssh -p 30 -t 600 -l root -h /root/natalia/DOWNTIME-Aug-5-2015/all_dcachel_disk_pools -i "yum remove -y
kernel-2.6.32-549.el6.x86_64; yum update -y"
```

Natalia rebooted all old-kernel-nodes. cmsstor221 did not come up. rest is OK  
enabled puppet on all store nodes.

```
[root@cmsadmin1 DOWNTIME-Aug-5-2015]# pssh -p 30 -h old_kernel_nodes -t 0 -i "hostname; facter kernelrelease" | grep 2.6.32 | sort -u
2.6.32-504.30.3.el6.x86_64
[root@cmsadmin1 DOWNTIME-Aug-5-2015]# pssh -p 30 -h all_dcachel_disk_pools -t 0 -i "hostname; puppet agent --enable "
```

Start agents:

```
cmsphedex-disk.fnal.gov - phedexdisk/production (SLF 6.6)
8-core Xeon E5430 @ 2.66GHz (PowerEdge 1950); 31.35 GB RAM, 16.00 GB swap
[root@cmsphedex-disk ~]# su - cmsprod
-bash-4.1$ cd siteconfs/siteconf-fnaldisk.4.1.3-comp3-1.0
-bash-4.1$ ./pmgr Dev start
Testing your DB connection
2015-08-05 20:55:38: CheckDBConnection20088: (re)connecting to database
2015-08-05 20:55:40: CheckDBConnection20088: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Dev/T1USFNAL succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/exp-pfn//stop
FileExport: pid 20097 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-remove//stop
FileRemove: pid 20104 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-cern//stop
FileDownload: pid 20112 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-cern/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier1//stop
FileDownload: pid 20120 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier1/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier2//stop
FileDownload: pid 20129 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier2/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier3//stop
FileDownload: pid 20137 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/download-tier3/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/blockverify//stop
BlockDownloadVerify: pid 20145 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/watchdog//stop
2015-08-05 20:55:44: Watchdog20151: starting Agent session (id=2)
2015-08-05 20:55:44: Watchdog20151: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 20:55:44: Watchdog20151: has successfully initialised
2015-08-05 20:55:44: Watchdog20151: debug: Agent was loaded DB=>1, CYCLE=1, DROPBOX=1
2015-08-05 20:55:44: Watchdog20151: Lookup agent "download-remove"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "download-cern"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "download-tier1"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "download-tier2"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "download-tier3"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "exp-pfn"
2015-08-05 20:55:44: Watchdog20151: Lookup agent "blockverify"
2015-08-05 20:55:44: Watchdog20151: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1,
download-tier2, download-tier3, exp-pfn
2015-08-05 20:55:44: Watchdog20151: (re)connecting to database
2015-08-05 20:55:44: Watchdog20151: Creating new private DBH
Watchdog: pid 20536 started in /home/cmsprod/phedex/Dev_T1_US_FNAL_Disk/state/watchdog/
T1 disk pmgr: start Dev
-bash-4.1$ ./pmgr Debug start
Testing your DB connection
2015-08-05 20:55:51: CheckDBConnection20540: (re)connecting to database
2015-08-05 20:55:53: CheckDBConnection20540: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Debug/T1USFNAL succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/exp-pfn//stop
FileExport: pid 20550 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-remove//stop
FileRemove: pid 20557 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-cern//stop
FileDownload: pid 20565 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-cern/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier1//stop
FileDownload: pid 20572 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier1/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier2//stop
FileDownload: pid 20580 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier2/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier3//stop
FileDownload: pid 20587 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/download-tier3/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/blockverify//stop
BlockDownloadVerify: pid 20596 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/watchdog//stop
2015-08-05 20:55:56: Watchdog20602: starting Agent session (id=2)
2015-08-05 20:55:56: Watchdog20602: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 20:55:56: Watchdog20602: has successfully initialised
2015-08-05 20:55:56: Watchdog20602: Lookup agent "download-remove"
```



```

2015-08-05 20:55:56: Watchdog20602: Lookup agent "download-cern"
2015-08-05 20:55:56: Watchdog20602: Lookup agent "download-tier1"
2015-08-05 20:55:56: Watchdog20602: Lookup agent "download-tier2"
2015-08-05 20:55:56: Watchdog20602: Lookup agent "download-tier3"
2015-08-05 20:55:56: Watchdog20602: Lookup agent "exp-pfn"
2015-08-05 20:55:56: Watchdog20602: Lookup agent "blockverify"
2015-08-05 20:55:56: Watchdog20602: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1,
download-tier2, download-tier3, exp-pfn
2015-08-05 20:55:56: Watchdog20602: (re)connecting to database
Watchdog: pid 20991 started in /home/cmsprod/phedex/Debug_T1_US_FNAL_Disk/state/watchdog/
T1 disk pmgr: start Debug
-bash-4.1$ ./pmgr Prod start
Testing your DB connection
2015-08-05 20:56:09: CheckDBConnection21311: (re)connecting to database
2015-08-05 20:56:11: CheckDBConnection21311: disconnected from database
Connection to TMDB with /home/cmsprod/phedex/info/DBParam:Prod/T1USFNAL succeeded
FileExport: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/exp-pfn//stop
FileExport: pid 21345 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/exp-pfn/
FileRemove: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-remove//stop
FileRemove: pid 21356 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-remove/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-cern//stop
FileDownload: pid 21364 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-cern/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier1//stop
FileDownload: pid 21372 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier1/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier2//stop
FileDownload: pid 21380 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier2/
Unknown option: jobs
FileDownload: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier3//stop
FileDownload: pid 21388 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/download-tier3/
BlockDownloadVerify: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/blockverify//stop
BlockDownloadVerify: pid 21396 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/blockverify/
Watchdog: removing old stop flag /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/watchdog//stop
2015-08-05 20:56:14: Watchdog21402: starting Agent session (id=2)
2015-08-05 20:56:14: Watchdog21402: STATISTICS: Reporting every 43200 seconds, detail=0
2015-08-05 20:56:14: Watchdog21402: has successfully initialised
2015-08-05 20:56:14: Watchdog21402: Lookup agent "download-remove"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "download-cern"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "download-tier1"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "download-tier2"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "download-tier3"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "exp-pfn"
2015-08-05 20:56:14: Watchdog21402: Lookup agent "blockverify"
2015-08-05 20:56:14: Watchdog21402: I am running these agents: Watchdog, blockverify, download-cern, download-remove, download-tier1,
download-tier2, download-tier3, exp-pfn
2015-08-05 20:56:14: Watchdog21402: (re)connecting to database
Watchdog: pid 23911 started in /home/cmsprod/phedex/Prod_T1_US_FNAL_Disk/state/watchdog/
T1 disk pmgr: start Prod
-bash-4.1$

```

#### #14 - 08/05/2015 05:21 PM - Natalia Ratnikova

```

[root@cmsstor403 ~]# service puppet start
Starting puppet agent: [ OK ]
root@cmsstor403 ~]# puppet agent -t
Warning: Local environment: "production" doesn't match server specified node environment "itb", switching agent to "itb".
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/puppet_vardir.rb
Info: Loading facts in /var/lib/puppet/lib/facter/facter_dot_d.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmfsversion.rb
Info: Loading facts in /var/lib/puppet/lib/facter/afs_cache_size.rb
Info: Loading facts in /var/lib/puppet/lib/facter/ip6tables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/pe_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_persistent_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/rsyslog_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/root_home.rb
Info: Loading facts in /var/lib/puppet/lib/facter/os_maj_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/code_server.rb
Info: Loading facts in /var/lib/puppet/lib/facter/certificate_facts.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmfspartsize.rb
Info: Loading facts in /var/lib/puppet/lib/facter/postgres_default_version.rb

```

```
Info: Loading facts in /var/lib/puppet/lib/facter/concat_basedir.rb
Info: Caching catalog for cmsstor403.fnal.gov
Info: Applying configuration version '1438809728'
Notice: /Stage[main]/Swatch::Service/Service[swatch]/ensure: ensure changed 'stopped' to 'running'
Info: /Stage[main]/Swatch::Service/Service[swatch]: Unscheduling refresh on Service[swatch]
Notice: Finished catalog run in 17.69 seconds
[root@cmsstor403 ~]#
```

zabbix had an alarm about lack of swapping space.  
Gerard fixed it (AIM):

this is because UUID=e63d1ef4-19a5-4c1d-a394-c1ce8aa1d6b3swapswapdefaults00  
must not befound  
fixed with [root@cmsstor403 ~]# swapon -a

the setup in /etc/fstab looks good to me  
not sure why it didn't mount the swap on boot

Unset downtime on dCache disk group  
and on cmssrv228 cmsphedex-disk and cmsphedex-lpc servers

Several alarms about kernel errors in the system logs popped up in check\_mk two hour later after the happening, Gerrard said this is a feature of check\_mk implementation which needs to be fixed properly on another level.

The only remaining problem so far is cmsstor221, which is turning down by itself after it comes up on reboot (trieaged by Gerard) Will place a service call for it

#### #15 - 08/12/2015 11:25 AM - Natalia Ratnikova

Finished kernel upgrade on the nodes we've missed or postponed to after the downtime.

```
cmschimeradiskbackup.fnal.gov Done
cmsphedex-disk.fnal.gov Done
```

```
cmspnfs1.fnal.gov Done - disk mount problem -> missing label, see notes in the next log.
cmsstor112.fnal.gov Done
cmsstor151.fnal.gov Done
cmsstor152.fnal.gov Done - same disk mount problems
cmsstor153.fnal.gov disk mount problems
cmsstor154.fnal.gov disk mount problems
cmsstor155.fnal.gov Done
```

```
cmssrv240.fnal.gov Done
cmssrv94.fnal.gov Done
```

Catalin's old test nodes, currently in unconfigured state

```
cmsstor252.fnal.gov 2.6.32-504.8.1.el6.x86_64
cmsstor253.fnal.gov 2.6.32-504.8.1.el6.x86_64
cmsstor254.fnal.gov 2.6.32-504.8.1.el6.x86_64
cmsstor255.fnal.gov 2.6.32-504.8.1.el6.x86_64
cmsstor256.fnal.gov 2.6.32-504.8.1.el6.x86_64
```

cmsphedex-tape.fnal.gov - old SL5 phedex server - reinstalled with SL6 as unconfigured node,  
replaced by cmssrv228.

#### #16 - 08/12/2015 11:47 AM - Natalia Ratnikova

After reboot several nodes would come into maintenance mode:

Give root password for maintenance  
(or type Control-D to continue):

On Continue node will reboot and come to the same state again.  
If root pwd is given, login into the system succeeds, but system disk is mounted readonly.

DBdisk label was found missing on cmspnfs1

Tim helped to repair this, his commands history:

```
457 fdisk -l
458 vi /etc/fstab
459 mount /dev/sdb3 /var/lib/pgsql-puppet
460 ls -la
461 mount
462 mount /dev/sdb3 /mnt
```

```

463 mount | grep sdb
464 fdisk -l
465 mount /dev/sda1 /mnt
466 cd /mnt
467 ls
468 ls -la
469 pwd
470 df -h .
471 mount .
472 mount
473 cd
474 umount /mnt
475 ls
476 cd /mnt
477 ls
478 ls -la
479 mkfs.xfs
480 mklab
481 mkfs.xfs -L DBdisk /dev/sda1
482 xfs_admin -L DBdisk /dev/sda1
483 ls -la
484 ls -la
485 df -h
486 cd
487 mount /dev/sda1 /mnt
488 ls
489 ls -la
490 cd /mnt
491 ls
492 ls -la
493 du
494 df -h .
495 ls -la
496 fg
497 mount -o remount,rw /
498 vi /etc/fstab
499 exit

```

After that checked that puppet runs cleanly, and dcache is started.

```

[root@cmspnfs1 ~]# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sdb3      553860088 40727612 484991372   8% /
tmpfs          24707184     0 24707184   0% /dev/shm
/dev/sdb1       999320    90016  856876  10% /boot
/dev/sda1      287701384  64424 273015932   1% /storage/local/data1

```

Tim's commands on cmsstor152:

```

493 vi /etc/fstab
  494 mount -o remount,rw /
  495 vi /etc/fstab
  496 fdisk -l
  497 mount
  498 less /etc/fstab
  499 exit

```

To test - login into amin interface on cmsstor152

```

cd PoolManager
..
cd PnfsManager
..
cd cd w-cmsstor112-disk_itb-disk1
..

```

and run a few commands (see help) like list files PNFS ids with rep ls and then find their path with pathfinder, check info, pinboard , etc. Things work fine.

#### #17 - 08/12/2015 02:20 PM - Natalia Ratnikova

Fixing cmsstor153 (srm server):

login on the console with a root pwd (no remote login possible).

```

[root@cmsstor153 ~]# cat /etc/fstab

```

1. HEADER: This file was autogenerated at Thu Feb 12 11:21:51 -0600 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

#

```

1. /etc/fstab
2. Created by anaconda on Wed May 21 21:41:27 2014 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #
  UUID=5506b6b3-44d7-4bab-9ed3-5d8990be8adc / ext4 defaults 11
  UUID=3280a196-4b2b-40ed-8715-e5f0b6afe8a3 /boot ext4 defaults 12
  UUID=601e4e2d-a62c-41dd-bf78-a43780599ee1 swap swap defaults 00
tmpfs /dev/shm tmpfs defaults 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1

```

[root@cmsstor153 ~]# fdisk -l

Disk /dev/sda: 250.0 GB, 250000000000 bytes  
 255 heads, 63 sectors/track, 30394 cylinders  
 Units = cylinders of 16065 \* 512 = 8225280 bytes  
 Sector size (logical/physical): 512 bytes / 512 bytes  
 I/O size (minimum/optimal): 512 bytes / 512 bytes  
 Disk identifier: 0x00000080

| Device   | Boot | Start | End   | Blocks    | Id | System               |
|--|------|-------|-------|-----------|----|----------------------|
| /dev/sda1                                      | *    | 1     | 131   | 1048576   | 83 | Linux                |
| Partition 1 does not end on cylinder boundary. |      |       |       |           |    |                      |
| /dev/sda2                                      |      | 131   | 2220  | 16777216  | 82 | Linux swap / Solaris |
| /dev/sda3                                      |      | 2220  | 30395 | 226313216 | 83 | Linux                |

Disk /dev/sdb: 12001.7 GB, 12001652244480 bytes  
 255 heads, 63 sectors/track, 1459117 cylinders  
 Units = cylinders of 16065 \* 512 = 8225280 bytes  
 Sector size (logical/physical): 512 bytes / 512 bytes  
 I/O size (minimum/optimal): 131072 bytes / 402653184 bytes  
 Disk identifier: 0x00000000

Disk /dev/sdc: 12001.7 GB, 12001652244480 bytes  
 255 heads, 63 sectors/track, 1459117 cylinders  
 Units = cylinders of 16065 \* 512 = 8225280 bytes  
 Sector size (logical/physical): 512 bytes / 512 bytes  
 I/O size (minimum/optimal): 131072 bytes / 402653184 bytes  
 Disk identifier: 0x00000000

Disk /dev/sdd: 12001.7 GB, 12001652244480 bytes  
 255 heads, 63 sectors/track, 1459117 cylinders  
 Units = cylinders of 16065 \* 512 = 8225280 bytes  
 Sector size (logical/physical): 512 bytes / 512 bytes  
 I/O size (minimum/optimal): 131072 bytes / 402653184 bytes  
 Disk identifier: 0x00000000

```

[root@cmsstor153 ~]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sda
├─sda1          232.9G
├─sda2          16G 601e4e2d-a62c-41dd-bf78-a43780599ee1
└─sda3 /          215.8G 5506b6b3-44d7-4bab-9ed3-5d8990be8adc
sr0          1024M
sdb          10.9T 08e06d98-432d-4dd8-a1b8-027390127893
sdc          10.9T 6e3cd6c7-dac1-497c-8416-5d4a967b32c0
sdd          10.9T c88e29f6-cdcf-447b-aa10-6121741703b6

```

HINT from CHih-Hao : how to figure out the postgres db location:

check arguments to postmaster process on the node:

```

[root@cmspnfs1 ~]# ps aux | grep master
postgres 7392 0.0 0.0 260184 35168 ? S 11:04 0:00 /usr/pgsql-9.2/bin/postmaster -p 5432 -D /var/lib/pgsql/9.2/data

```

So for cmspnfs1 we have db running on the system disk.

hieradata defined database disk mount with ensure unmounted. What's the purpose of this?

Checked blame - commit belongs to Gerard with no comments.

oncmspnfs1:

Moved /etc/fstab and run puppet to see what it creates.

It actually creates the mount for DBdisk based on label.

Label was not existing, Tim put it on some random disk, and no puppet makes sure that disk is not mounted?

What all this is needed for???

Asking Gerard.

The same situation is on all \_itb head nodes/servers, and no labels on the disks... so the system does NOT come up properly..

#### #18 - 08/18/2015 11:34 AM - Natalia Ratnikova

Reimplement mounts for testbed DB disks to fix mount problems introduced with inheritance.

Actions:

1) Create new branch off of itb :

natalia\_fix\_dbdisk\_mounts\_on\_testbed

2) Modify hiera yaml files for each role:

to ensure DBdisk mount point is 'absent' instead of 'unmounted'

3) commit changes

4) In ENC - move one of the servers onto natalia\_fix\_dbdisk\_mounts\_on\_testbed branch

5) Run puppet manually, check that node and dcache service come up properly.

6) Move all remaining servers into natalia\_fix\_dbdisk\_mounts\_on\_testbed branch

7) Run puppet manually, check that all nodes come up properly and testbed instance is running and functioning well.

8) Start puppet service everywhere.

9) Let branch to be reviewed and merge into itb.

10) Move servers in ENC to itb branch.

#### #19 - 08/18/2015 01:00 PM - Natalia Ratnikova

The previous plan does not succeed, because we have another dependency missing:

Info: Loading facts in /var/lib/puppet/lib/facter/ip6tables\_version.rb

Error: Could not retrieve catalog from remote server: Error 400 on SERVER: Invalid relationship: Class[Dcache::Db] { require => File[/var/lib/pgsql-puppet/data1] }, because File[/var/lib/pgsql-puppet/data1] doesn't seem to be in the catalog

Warning: Not using cache on failed catalog

Error: Could not retrieve catalog; skipping run

Next two options are:

A) make it how it was before i.e. label a spare disk and require it to be unmounted.

This is kind of conceptual flaw ,as we are bound to be wasting a disk.

B) Label and mount the DBdisk and move the databases from the system disk onto DBdisk.

This way we will have the same setup as in the production instance, which is good.

- Consulted with Chih-Hao about moving the database: this can be done while db is stopped.

The steps for plan B:

B-1 stop puppet

B-2 stop the database

B-3 rename the database location

B-4 label and mount the DBdisk

B-5 make sure the same location is created and resides on the mounted disk

B-6 copy the database files onto the new disk old location.

B-7 start the database and check that it works

B-8 Make changes in the yaml files 'absent' -> 'mounted', push to the branch

B-9 Follow steps 5-10 from the previous plan:

5) Run puppet manually, check that node and dcache service come up properly.

6) Move all remaining servers into natalia\_fix\_dbdisk\_mounts\_on\_testbed branch

- 7) Run puppet manually, check that all nodes come up properly and testbed instance is running and functioning well.
- 8) Start puppet service everywhere.
- 9) Let branch to be reviewed and merge into itb.
- 10) Move servers in ENC to itb branch.

**#20 - 08/18/2015 01:32 PM - Natalia Ratnikova**

```

cmsstor152.fnal.gov - dcacheadmin disk_itb/natalia_dcache_java_upgrade_test (SLF 6.6)
8-core Xeon E5430 @ 2.66GHz (PowerEdge 1950); 15.57 GB RAM, 16.00 GB swap
[root@cmsstor152 ~]# who
root  ttyS0    2015-08-18 11:42
root  pts/0    2015-08-18 11:41 (cmsadmin1.fnal.gov)
root  pts/1    2015-08-18 13:03 (cmsadmin1.fnal.gov)
[root@cmsstor152 ~]# mount
/dev/sda3 on / type ext4 (rw)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw,gid=5,mode=620)
tmpfs on /dev/shm type tmpfs (rw)
/dev/sda1 on /boot type ext4 (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
[root@cmsstor152 ~]# cat /etc/fstab

```

1. HEADER: This file was autogenerated at Wed Aug 12 11:07:17 -0500 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

#

1. /etc/fstab
2. Created by anaconda on Wed May 21 21:40:30 2014 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #
 

```

UUID=9b25cf54-b1ed-4f47-9a5e-d38caaa94acf / ext4 defaults 1
UUID=a10c8181-b945-4a5f-85c4-8d4edde92e67 /boot ext4 defaults 2
UUID=2c68d637-911f-4652-82e1-a70add7338ca swap swap defaults 0
tmpfs /dev/shm tmpfs defaults 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1

```

```

[root@cmsstor152 ~]# service puppet status
puppet (pid 16982) is running...
[root@cmsstor152 ~]# service puppet stop
Stopping puppet agent: [ OK ]
[root@cmsstor152 ~]# service dcache-server status
DOMAIN STATUS PID USER
dirDomain running 8252 root
billingDomain running 8317 root
httpdDomain running 8352 root
adminDoorDomain running 8406 root
dCacheDomain running 8469 root
[root@cmsstor152 ~]# service dcache-server stop
Stopping dCacheDomain 0 done
Stopping adminDoorDomain 0 done
Stopping httpdDomain 0 1 done
Stopping billingDomain 0 done
Stopping dirDomain 0 done
[root@cmsstor152 ~]#

```

```

[root@cmsstor152 ~]# service postgresql-9.2 status
(pid 7734) is running...
[root@cmsstor152 ~]# service postgresql-9.2 stop
Stopping postgresql-9.2 service: [ OK ]
[root@cmsstor152 ~]#

```

**#21 - 08/18/2015 02:00 PM - Natalia Ratnikova**

For cmsstor152 there is no actually a spare local disk, there is data disk (Satabeast?) as it used to be a pool node. It would be an overkill to have just

admin node dbs there.

So we go for plan A for now, until a better solution is found, on the puppet side.

```
[root@cmsstor152 PG_9.2_201204301]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sda      232.9G
├─sda1 /boot          1G a10c8181-b945-4a5f-85c4-8d4edde92e67
├─sda2 [SWAP]        16G 2c68d637-911f-4652-82e1-a70add7338ca
└─sda3 /              215.8G 9b25cf54-b1ed-4f47-9a5e-d38caaa94acf
sr0      1024M
sdc      10.9T 6267cb12-7051-42e4-909b-7b948aecb569
sdd      10.9T b22e1143-92c5-4a16-b40d-be3566b832dc
sdb      10.9T a397ce45-5bf2-4dc2-97b1-2c7ebf6f652d
```

```
[root@cmsstor152 PG_9.2_201204301]# xfs_admin -L DBdisk /dev/sdc
writing all SBs
new label = "DBdisk"
[root@cmsstor152 PG_9.2_201204301]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sda      232.9G
├─sda1 /boot          1G a10c8181-b945-4a5f-85c4-8d4edde92e67
├─sda2 [SWAP]        16G 2c68d637-911f-4652-82e1-a70add7338ca
└─sda3 /              215.8G 9b25cf54-b1ed-4f47-9a5e-d38caaa94acf
sr0      1024M
sdc      DBdisk 10.9T 6267cb12-7051-42e4-909b-7b948aecb569
sdd      10.9T b22e1143-92c5-4a16-b40d-be3566b832dc
sdb      10.9T a397ce45-5bf2-4dc2-97b1-2c7ebf6f652d
[root@cmsstor152 PG_9.2_201204301]#
```

## #22 - 08/18/2015 02:01 PM - Natalia Ratnikova

Revert git commit with mount absent for all servers.

```
[cmsdev33 11:04] git show3f747cf108395216e8b3677550dc81d9b9f853c9
git: 'show3f747cf108395216e8b3677550dc81d9b9f853c9' is not a git command. See 'git --help'.
[cmsdev33 11:04] git show 3f747cf108395216e8b3677550dc81d9b9f853c9
commit 3f747cf108395216e8b3677550dc81d9b9f853c9
Author: Natalia Ratnikova <natasha@fnal.gov>
Date: Tue Aug 18 11:29:42 2015 -0500
```

Trying to fix a conceptual flaw in DBdisk mount.

```
diff --git a/hieradata/roles/chimeradisk_itb.yaml b/hieradata/roles/chimeradisk_itb.yaml
index 8ec9563..a229780 100644
--- a/hieradata/roles/chimeradisk_itb.yaml
+++ b/hieradata/roles/chimeradisk_itb.yaml
@@ -10,7 +10,7 @@ dcache::packages:
```

```
dcache::dbmount:
```

```
  dbdisk:
-   ensure: 'unmounted'
+   ensure: 'absent'
  path: /var/lib/pgsql-puppet
  device: 'LABEL=DBdisk'
  fstype: 'ext4'
```

```
diff --git a/hieradata/roles/chimeradiskbackup_itb.yaml b/hieradata/roles/chimeradiskbackup_itb.yaml
index 568cb62..8f1131e 100644
--- a/hieradata/roles/chimeradiskbackup_itb.yaml
+++ b/hieradata/roles/chimeradiskbackup_itb.yaml
@@ -14,13 +14,13 @@ dcache::packages:
```

```
dcache::dbmount:
```

```
  dbdisk:
-   ensure: 'unmounted'
+   ensure: 'absent'
  path: /var/lib/pgsql-puppet
  device: 'LABEL=DBdisk'
  fstype: 'ext4'
  subdir: 'data1'
  dbdisk-backup:
-   ensure: 'unmounted'
+   ensure: 'absent'
  path: /var/lib/pgsql
  device: 'LABEL=DBdisk'
```

```
      fstype: 'ext4'
diff --git a/hieradata/roles/dcacheheadmindisk_itb.yaml b/hieradata/roles/dcacheheadmindisk_itb.yaml
index ee53a3d..c2c1038 100644
--- a/hieradata/roles/dcacheheadmindisk_itb.yaml
+++ b/hieradata/roles/dcacheheadmindisk_itb.yaml
@ -11,7 +11,7 @ dcache::packages:
```

```
dcache::dbmount:
  dbdisk:
-   ensure: 'unmounted'
+   ensure: 'absent'
    device: 'LABEL=DBdisk'
    path: /var/lib/pgsql-puppet
    fstype: 'ext4'
```

```
diff --git a/hieradata/roles/srmdisk_itb.yaml b/hieradata/roles/srmdisk_itb.yaml
index 8f3868e..2382c2e 100644
--- a/hieradata/roles/srmdisk_itb.yaml
+++ b/hieradata/roles/srmdisk_itb.yaml
@ -16,7 +16,7 @ dcache::packages:
```

```
dcache::dbmount:
  dbdisk:
-   ensure: 'unmounted'
+   ensure: 'absent'
    path: /var/lib/pgsql-puppet
    device: 'LABEL=DBdisk'
    subdir: 'data1'
```

```
[cmsdev33 11:04] git revert 3f747cf108395216e8b3677550dc81d9b9f853c9
[natalia_fix_dbdisk_mounts_on_testbed 5b7329e] Revert "Trying to fix a conceptual flaw in DBdisk mount." Just
requiring mount absent leaved other dependencies around. See details in redmine #9789 This reverts commit 3f74
7cf108395216e8b3677550dc81d9b9f853c9.
 4 files changed, 5 insertions(+), 5 deletions(-)
[cmsdev33 11:04]
```

### #23 - 08/18/2015 02:06 PM - Natalia Ratnikova

note there are errors in trying to reload the poolmanager.  
Restart the dcache and pg services and rerun puppet twice to see if that helps.  
Second run is clean .

```
[root@cmsstor152 ~]# puppet agent -t
Warning: Local environment: "production" doesn't match server specified node environment "natalia_fix_dbdisk_mounts_on_testbed", switching agent
to "natalia_fix_dbdisk_mounts_on_testbed".
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmfscpartsize.rb
Info: Loading facts in /var/lib/puppet/lib/facter/pe_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/afs_cache_size.rb
Info: Loading facts in /var/lib/puppet/lib/factor/os_maj_version.rb
Info: Loading facts in /var/lib/puppet/lib/factor/code_server.rb
Info: Loading facts in /var/lib/puppet/lib/factor/cvmfsversion.rb
Info: Loading facts in /var/lib/puppet/lib/factor/factor_dot_d.rb
Info: Loading facts in /var/lib/puppet/lib/factor/postgres_default_version.rb
Info: Loading facts in /var/lib/puppet/lib/factor/certificate_facts.rb
Info: Loading facts in /var/lib/puppet/lib/factor/root_home.rb
Info: Loading facts in /var/lib/puppet/lib/factor/concat_basedir.rb
Info: Loading facts in /var/lib/puppet/lib/factor/iptables_persistent_version.rb
Info: Loading facts in /var/lib/puppet/lib/factor/rsyslog_version.rb
Info: Loading facts in /var/lib/puppet/lib/factor/puppet_vardir.rb
Info: Loading facts in /var/lib/puppet/lib/factor/iptables_version.rb
Info: Caching catalog for cmsstor152.fnal.gov
Info: Applying configuration version '1439924099'
Notice: /Stage[main]/Vulcan::Dcache/File[/etc/dcache/dcache.kpwd]/content:
-- /etc/dcache/dcache.kpwd 2015-08-18 12:46:39.745156147 -0500
++ /tmp/puppet-file20150818-7093-1cs3z7n-0 2015-08-18 13:55:31.991913737 -0500
@_-3572.7 +3572.7 @
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fanzago/CN=610896/CN=Federica Fanzago" uscms706
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=farida/CN=518177/CN=Farida Fassi" atlas
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fassoul/CN=390926/CN=Dimitris Fassouliotis" atlas
-mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fatsai/CN=711765/CN=Fang-Ying Tsai" uscms6225
+mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fatsai/CN=711765/CN=Fang-Ying Tsai" uscms6232
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=favaro/CN=698706/CN=Carlotta Favaro" uscms2711
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fay/CN=391098/CN=Jean Fay" uscms2026
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fball/CN=751136/CN=Fionn Amhairghen Ball" uscms5572
```



@ -4042.7 +4042.7 @  
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-mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=jmhogan/CN=676292/CN=Julie Managan Hogan" uscms6230  
+mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=jmhogan/CN=676292/CN=Julie Managan Hogan" uscms6223  
mapping "/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=jmolina/CN=671301/CN=Jorge Andres Molina Insfran" uscms5608  
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@ -42272,6 +42281,7 @

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+ /DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Armando Barboza/CN=UID:abarboza  
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@ -42292,6 +42302,7 @

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+ /DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Srivastava/CN=UID:asrivast  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arvin Samali/CN=UID:asamali  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arya Farahi/CN=UID:afarahi  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Aseet Mukherjee/CN=UID:aseet

@ -43132,6 +43143,7 @

/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deanne S. Slapa/CN=UID:dslapa  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Debarati Roy/CN=UID:debarati  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah H. Griffin/CN=UID:dgriffin  
+ /DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah J. Gulledge/CN=UID:dgulledg  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah L. Bonifas/CN=UID:debbieb  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah Sebastian/CN=UID:debseb  
/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Debra L. Cobb/CN=UID:cobb

@ -55155,8 +55167,14 @

login uscms6222 read-only 1123 1999 //dcache /dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=sicheng/CN=748935/CN=Sicheng Wang

login uscms6223 read-only 1123 1999 //dcache /dcache

/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=jmhogan/CN=676292/CN=Julie Managan Hogan

+login uscms6224 read-only 1123 1999 //dcache /dcache

/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=meola/CN=665823/CN=Sabino Meola

login uscms6225 read-only 1123 1999 //dcache /dcache

- /DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fatsai/CN=711765/CN=Fang-Ying Tsai  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi

login uscms6226 read-only 1123 1999 //dcache /dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=strolog/CN=679949/CN=John Strologas  
@ -55164,21 +55182,15 @

login uscms6227 read-only 1123 1999 //dcache /dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=bbatool/CN=766833/CN=Binish Batool

login uscms6228 read-only 1123 1999 //dcache /dcache

/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=meola/CN=665823/CN=Sabino Meola

-login uscms6229 read-only 1123 1999 //dcache /dcache

/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi

-

login uscms623 read-only 1123 1999 //dcache /dcache

/DC=es/DC=irisgrid/O=ciemmat/CN=isabel.josa

login uscsm6230 read-only 1123 1999 //dcache/dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=jmhogan/CN=676292/CN=Julie Managan Hogan

login uscsm6231 read-only 1123 1999 //dcache/dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=ahazi/CN=676282/CN=Andras Hazi

login uscsm6232 read-only 1123 1999 //dcache/dcache  
/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=fatsai/CN=711765/CN=Fang-Ying Tsai

+  
login uscsm6234 read-only 1123 1999 //dcache/dcache  
/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Gerard Bernabeu Altayo/CN=UID:gerard1

Info: /Stage[main]/Vulcan::Dcache/File[/etc/dcache/dcache.kpwd]: Filebucketed /etc/dcache/dcache.kpwd to main with sum a1f6ca23c3f7ebaf51f1cac345eddbf8  
Notice: /Stage[main]/Vulcan::Dcache/File[/etc/dcache/dcache.kpwd]/content: content changed '{md5}a1f6ca23c3f7ebaf51f1cac345eddbf8' to '{md5}188b803cce55de406e4c91033fc1897d'  
Info: /Stage[main]/P\_fact::Puppet/P\_fact::String[puppetenvironment]/File[/etc/facter/facts.d/puppetenvironment.txt]: Filebucketed /etc/facter/facts.d/puppetenvironment.txt to main with sum 430af18c5e7188929f99b954233d1840  
Notice: /Stage[main]/P\_fact::Puppet/P\_fact::String[puppetenvironment]/File[/etc/facter/facts.d/puppetenvironment.txt]/content: content changed '{md5}430af18c5e7188929f99b954233d1840' to '{md5}96a11947f7b5c2fb94c0e52291a849ff'  
Info: /Stage[main]/Motd::Warning/Motd[/etc/motd]/File[/etc/motd]: Filebucketed /etc/motd to main with sum c2071a07891f3d8d8b00e3f0f2acd9d2  
Notice: /Stage[main]/Motd::Warning/Motd[/etc/motd]/File[/etc/motd]/content: content changed '{md5}c2071a07891f3d8d8b00e3f0f2acd9d2' to '{md5}97b5ed153cbd7c3803eefb6f6f5841de'  
Notice: /Stage[main]/Vulcan::Dcache/File[/etc/grid-security/grid-vorolemap]/content:  
--- /etc/grid-security/grid-vorolemap 2015-08-18 12:46:59.138028915 0500  
++ /tmp/puppet\_file20150818\_7093\_k1d7mq\_0\_2015\_08\_18\_12:55:45.373515498\_0500

@ -8761.8 +8761.8 @  
~~"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=rheller/CN=743534/CN=Ryan Edward Heller" /cms/Role=emsuser" uscsm5977~~  
~~"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=rheller/CN=743534/CN=Ryan Edward Heller" /cms/uscsm/Role=emsuser" uscsm5977~~  
~~"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=rheller/CN=743534/CN=Ryan Edward Heller" uscsm5977~~  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi" /cms" uscsm6225  
-"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi" uscsm6225  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi" /cms" uscsm6229  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=riahi/CN=672488/CN=Hassen Riahi" uscsm6229  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=ribon/CN=571572/CN=Alberto Ribon" /geant4" geant4  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=ribon/CN=571572/CN=Alberto Ribon" /geant4/Role=lcgadmin" geant4  
"/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=ric/CN=477544/CN=Riccardo Paramatti" /cms" uscsm646  
@ -15565.6 +15565.8 @  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arkadiy L. Klebaner/CN=UID:klebaner" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Armand J. Bianchi/CN=UID:bianchiaj" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Armand J. Bianchi/CN=UID:bianchiaj" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Armando Barboza/CN=UID:abarboza" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Armando Barboza/CN=UID:abarboza" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arnab Purohit/CN=UID:apurohit" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arnab Purohit/CN=UID:apurohit" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arnau Vallribera/CN=UID:apujol" /fermilab" fermilab  
@ -15640.6 +15642.8 @  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arturo Gonzales/CN=UID:gonzales" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Saini/CN=UID:asaini" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Saini/CN=UID:asaini" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Srivastava/CN=UID:asrivast" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Srivastava/CN=UID:asrivast" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Tadepalli/CN=UID:arunts" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Tadepalli/CN=UID:arunts" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Arun Tadepalli/CN=UID:arunts" /fermilab/seaquest" fermilab  
@ -17779.6 +17783.8 @  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah Harris/CN=UID:dharris" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah Harris/CN=UID:dharris" /fermilab/minos" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah Harris/CN=UID:dharris" /fermilab/minos/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah J. Gullledge/CN=UID:dgulledg" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah J. Gullledge/CN=UID:dgulledg" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah L. Bonifas/CN=UID:debbieb" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah L. Bonifas/CN=UID:debbieb" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=People/CN=Deborah Sebastian/CN=UID:debseb" /fermilab" fermilab  
@ -32661.6 +32667.8 @  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arkadiy L. Klebaner/CN=UID:klebaner" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Armand J. Bianchi/CN=UID:bianchiaj" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Armand J. Bianchi/CN=UID:bianchiaj" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Armando Barboza/CN=UID:abarboza" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Armando Barboza/CN=UID:abarboza" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arnab Purohit/CN=UID:apurohit" /fermilab" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arnab Purohit/CN=UID:apurohit" /fermilab/Role=Analysis" fermilab  
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arnau Vallribera/CN=UID:apujol" /fermilab" fermilab

```

@ -32738.6 +32746.8 @
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arturo Gonzales/CN=UID:gonzales" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Saini/CN=UID:asaini" "/fermilab" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Saini/CN=UID:asaini" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Srivastava/CN=UID:asrivast" "/fermilab" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Srivastava/CN=UID:asrivast" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Tadepalli/CN=UID:arunts" "/fermilab" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Tadepalli/CN=UID:arunts" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Arun Tadepalli/CN=UID:arunts" "/fermilab/seaquest" fermilab
@ -35145.6 +35155.8 @
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah Harris/CN=UID:dharris" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah Harris/CN=UID:dharris" "/fermilab/minos" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah Harris/CN=UID:dharris" "/fermilab/minos/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah J. Gullede/CN=UID:dgullede" "/fermilab" fermilab
+ "/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah J. Gullede/CN=UID:dgullede" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah L. Bonifas/CN=UID:debbieb" "/fermilab" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah L. Bonifas/CN=UID:debbieb" "/fermilab/Role=Analysis" fermilab
"/DC=gov/DC=fnal/O=Fermilab/OU=Robots/CN=fifegrid/CN=batch/CN=Deborah Sebastian/CN=UID:debseb" "/fermilab" fermilab

Info: /Stage[main]/Vulcan::Dcache/File[/etc/grid-security/grid-vorolemap]: Filebucketed /etc/grid-security/grid-vorolemap to main with sum
762ed131ed3690e3fa84fba70474682a
Notice: /Stage[main]/Vulcan::Dcache/File[/etc/grid-security/grid-vorolemap]/content: content changed '{md5}762ed131ed3690e3fa84fba70474682a' to
'{md5}9ebc478d91d42bf29c15ab31c42547c3'
Notice: /Stage[main]/Dcache::Dcachedomain/File[/etc/dcache/poolmanager.conf]/content:
--- /etc/dcache/poolmanager.conf 2015-08-04 18:15:44.567984883 -0500
+++ /tmp/puppet-file20150818-7093-uz7ma6-0 2015-08-18 13:55:51.033770032 -0500
@ -27,6 +27,8 @
psu addto ugroup LFSOnly cms.lfsonly@enstore
psu create ugroup T1DiskEval
psu addto ugroup T1DiskEval cms.T1DiskEval@enstore
+psu create ugroup Resilient
+psu addto ugroup Resilient cms.resilient@enstore
psu create ugroup world-net
psu addto ugroup world-net 0.0.0.0/0.0.0.0
psu create ugroup any-protocol
@ -36,40 +38,29 @ # The pools ... #

-psu create pool w-cmsstor112-disk_itb-disk1
-psu create pool w-cmsstor112-disk_itb-disk2
-psu create pool w-cmsstor112-disk_itb-disk3
-psu create pool w-cmsstor151-disk_itb-disk1
-psu create pool w-cmsstor151-disk_itb-disk2
-psu create pool w-cmsstor151-disk_itb-disk3
psu create pool w-cmsstor155-disk_itb-disk1
psu create pool w-cmsstor155-disk_itb-disk2
psu create pool w-cmsstor155-disk_itb-disk3

+ # # The pool groups ... #
psu create pgroup flushPools
psu create pgroup burningPools
psu create pgroup readonlyPools

-psu addto pgroup burningPools w-cmsstor112-disk_itb-disk1
-psu addto pgroup burningPools w-cmsstor112-disk_itb-disk2
-psu addto pgroup burningPools w-cmsstor112-disk_itb-disk3

psu addto pgroup flushPools w-cmsstor155-disk_itb-disk1
psu addto pgroup flushPools w-cmsstor155-disk_itb-disk2
psu addto pgroup flushPools w-cmsstor155-disk_itb-disk3

-psu addto pgroup readonlyPools w-cmsstor151-disk_itb-disk1
-psu addto pgroup readonlyPools w-cmsstor151-disk_itb-disk2
-psu addto pgroup readonlyPools w-cmsstor151-disk_itb-disk3

#
# Sections
#
pm create flush-section
pm create Resilient-section
pm set flush-section -p2p=0.33 -spacecostfactor=0.0 -cpucostfactor=0.0 -max-pnfs-copies=3 -stage-oncost=
yes
pm set Resilient-section -p2p=4.0 -spacecostfactor=0.0 -cpucostfactor=0.0 -max-pnfs-copies=3 -stage-allowed
=no -stage-oncost=no

#

```

```

# The links ...
@ -77,12 +68,8 @
psu create link flush-link any-store world-net any-protocol
psu set link flush-link readpref=10 writepref=10 cachepref=0 p2ppref=10 section=flush section
psu add link flush-link flushPools

psu create link readonly-link any-store world-net any-protocol
psu set link readonly-link readpref=5 writepref=0 cachepref=0 p2ppref=0 section=flush section
psu add link readonly-link readonlyPools

-
+psu create link Resilient-link Resilient world-net any-protocol
+psu set link Resilient-link -readpref=20 -writepref=20 -cachepref=0 -p2ppref=20 -section=Resilient-section

psu set allpoolsactive on

```

```

@ -103,3 +90,4 @
#rc set max copies 3
rc set max restore unlimited
rc set sameHostCopy besteffort
+

```

```

Info: /Stage[main]/Dcache::Dcachedomain/File[/etc/dcache/poolmanager.conf]: Filebucketed /etc/dcache/poolmanager.conf to main with sum
82b575e6e02bab899e5b68c5317815c1
Notice: /Stage[main]/Dcache::Dcachedomain/File[/etc/dcache/poolmanager.conf]/content: content changed
'{md5}82b575e6e02bab899e5b68c5317815c1' to '{md5}b0d1176cbc4be4633d800f8a2fd579f7'
Info: /Stage[main]/Dcache::Dcachedomain/File[/etc/dcache/poolmanager.conf]: Scheduling refresh of Exec[poolmanager reload]
Notice: /Stage[main]/Dcache::Dcachedomain/Exec[poolmanager reload]/returns: Pseudo-terminal will not be allocated because stdin is not a terminal.
Notice: /Stage[main]/Dcache::Dcachedomain/Exec[poolmanager reload]/returns: ssh: connect to host cmsstor152.fnal.gov port 22223: Connection
refused
Error: /Stage[main]/Dcache::Dcachedomain/Exec[poolmanager reload]: Failed to call refresh: /bin/echo -e 'cd PoolManager
reload -yes
..
logoff
'| ssh -1 -i /etc/dcache/admin/server_key -c blowfish -p 22223 cmsstor152.fnal.gov -l admin returned 255 instead of one of [0]
Error: /Stage[main]/Dcache::Dcachedomain/Exec[poolmanager reload]: /bin/echo -e 'cd PoolManager
reload -yes
..
logoff
'| ssh -1 -i /etc/dcache/admin/server_key -c blowfish -p 22223 cmsstor152.fnal.gov -l admin returned 255 instead of one of [0]
Notice: /Stage[main]/Dcache/Service[dcache-server]/ensure: ensure changed 'stopped' to 'running'
Info: /Stage[main]/Dcache/Service[dcache-server]: Unscheduling refresh on Service[dcache-server]
Notice: /Stage[main]/Postgresql::Server/Service[postgresql]/ensure: ensure changed 'stopped' to 'running'
Info: /Stage[main]/Postgresql::Server/Service[postgresql]: Unscheduling refresh on Service[postgresql]
Notice: Finished catalog run in 38.23 seconds
[root@cmsstor152 ~]# service dcache-server stop
Stopping dCacheDomain 0 1 done
Stopping adminDoorDomain 0 done
Stopping httpdDomain 0 1 done
Stopping billingDomain 0 1 done
Stopping dirDomain 0 done
[root@cmsstor152 ~]# service postgresql-9.2 stop
Stopping postgresql-9.2 service: [ OK ]
[root@cmsstor152 ~]# service postgresql-9.2 start
Starting postgresql-9.2 service: [ OK ]
[root@cmsstor152 ~]# service dcache-server start
Starting dirDomain done
Starting billingDomain done
Starting httpdDomain done
Starting adminDoorDomain done
Starting dCacheDomain done
[root@cmsstor152 ~]#
[root@cmsstor152 ~]# service dcache-server stop
Stopping dCacheDomain 0 1 done
Stopping adminDoorDomain 0 done
Stopping httpdDomain 0 1 done
Stopping billingDomain 0 1 done
Stopping dirDomain 0 done
[root@cmsstor152 ~]# service postgresql-9.2 stop
Stopping postgresql-9.2 service: [ OK ]
[root@cmsstor152 ~]# service postgresql-9.2 start
Starting postgresql-9.2 service: [ OK ]
[root@cmsstor152 ~]# service dcache-server start
Starting dirDomain done
Starting billingDomain done

```

```

Starting httpdDomain done
Starting adminDoorDomain done
Starting dCacheDomain done
[root@cmsstor152 ~]# puppet agent -t
Warning: Local environment: "production" doesn't match server specified node environment "natalia_fix_dbdisk_mounts_on_testbed", switching agent
to "natalia_fix_dbdisk_mounts_on_testbed".
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmfsize.rb
Info: Loading facts in /var/lib/puppet/lib/facter/pe_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/afs_cache_size.rb
Info: Loading facts in /var/lib/puppet/lib/facter/os_maj_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/code_server.rb
Info: Loading facts in /var/lib/puppet/lib/facter/cvmfsversion.rb
Info: Loading facts in /var/lib/puppet/lib/facter/facter_dot_d.rb
Info: Loading facts in /var/lib/puppet/lib/facter/postgres_default_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/certificate_facts.rb
Info: Loading facts in /var/lib/puppet/lib/facter/root_home.rb
Info: Loading facts in /var/lib/puppet/lib/facter/concat_basedir.rb
Info: Loading facts in /var/lib/puppet/lib/facter/iptables_persistent_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/rsyslog_version.rb
Info: Loading facts in /var/lib/puppet/lib/facter/puppet_vardir.rb
Info: Loading facts in /var/lib/puppet/lib/facter/ip6tables_version.rb
Info: Caching catalog for cmsstor152.fnal.gov
Info: Applying configuration version '1439924646'
Notice: Finished catalog run in 26.16 seconds
[root@cmsstor152 ~]#

```

#### #24 - 08/18/2015 02:21 PM - Natalia Ratnikova

ssh login is not possible.  
Login from console

```

[root@cmsstor153 ~]# df
Filesystem 1K-blocks Used Available Use% Mounted on
/dev/sda3 222630532 26038560 185276312 13% /
[root@cmsstor153 ~]# cat /etc/fstab

```

1. HEADER: This file was autogenerated at Thu Feb 12 11:21:51 -0600 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

#

1. /etc/fstab
2. Created by anaconda on Wed May 21 21:41:27 2014 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #

|   |                       |                |          |     |
|---|-----------------------|----------------|----------|-----|
| UUID=5506b6b3-44d7-4bab-9ed3-5d8990be8adc | /                     | ext4           | defaults | 11  |
| UUID=3280a196-4b2b-40ed-8715-e5f0b6afe8a3 | /boot                 | ext4           | defaults | 12  |
| UUID=601e4e2d-a62c-41dd-bf78-a43780599ee1 | swap                  | swap           | defaults | 00  |
| tmpfs /dev/shm                            | tmpfs                 | defaults       | 0 0      |     |
| devpts /dev/pts                           | devpts                | gid=5,mode=620 | 0 0      |     |
| sysfs /sys                                | sysfs                 | defaults       | 0 0      |     |
| proc /proc                                | proc                  | defaults       | 0 0      |     |
| #LABEL=DBdisk                             | /var/lib/pgsql-puppet | ext4           | defaults | 1 1 |
| LABEL=DBdisk                              | /var/lib/pgsql-puppet | ext4           | defaults | 1 1 |

```

[root@cmsstor153 ~]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sda 232.9G
├─sda1 /boot 1G 3280a196-4b2b-40ed-8715-e5f0b6afe8a3
├─sda2 16G 601e4e2d-a62c-41dd-bf78-a43780599ee1
└─sda3 / 215.8G 5506b6b3-44d7-4bab-9ed3-5d8990be8adc
sr0 1024M
sdb 10.9T 08e06d98-432d-4dd8-a1b8-027390127893
sdc 10.9T 6e3cd6c7-dac1-497c-8416-5d4a967b32c0
sdd 10.9T c88e29f6-cdcf-447b-aa10-6121741703b6

```

```

[root@cmsstor153 ~]# xfs_admin -L DBdisk /dev/sdb
writing all SBs
new label = "DBdisk"
[root@cmsstor153 ~]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID

```

```
sda                232.9G
├─sda1 /boot          1G 3280a196-4b2b-40ed-8715-e5f0b6afe8a3
├─sda2                16G 601e4e2d-a62c-41dd-bf78-a43780599ee1
└─sda3 /              215.8G 5506b6b3-44d7-4bab-9ed3-5d8990be8adc
sr0                1024M
sdb                DBdisk 10.9T 08e06d98-432d-4dd8-a1b8-027390127893
sdc                10.9T 6e3cd6c7-dac1-497c-8416-5d4a967b32c0
sdd                10.9T c88e29f6-cdcf-447b-aa10-6121741703b6
```

puppet does not run because the system is read-only mounted.

Reboot the node => it should work now that DBdisk label exists, no ENC change should be necessary.

#### #25 - 08/19/2015 04:48 AM - Natalia Ratnikova

```
[root@cmspnfs1 ~]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sdb
├─sdb1 /boot          1G d50f8aaf-9505-432b-a941-3158b6f57504
├─sdb2 [SWAP]        20G 995f4e67-5c6c-450f-802f-185fa93bbc5d
└─sdb3 /              536.8G 8768b22d-bd96-4acd-b267-dfdbe924f411
sda
├─sda1 /storage/local/data1 278.9G d82c49e1-3115-4ac0-ab23-f4d94eab8486
sr0                1024M
[root@cmspnfs1 ~]# cat /etc/fstab
```

1. HEADER: This file was autogenerated at Wed Aug 12 11:05:42 -0500 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

```
#
1. /etc/fstab
2. Created by anaconda on Wed Nov 26 19:57:49 2014 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #
  UUID=8768b22d-bd96-4acd-b267-dfdbe924f411 / ext4 defaults 1
  UUID=d50f8aaf-9505-432b-a941-3158b6f57504 /boot ext4 defaults 2
  UUID=d82c49e1-3115-4ac0-ab23-f4d94eab8486 /storage/local/data1 ext4 defaults 1 2
  UUID=995f4e67-5c6c-450f-802f-185fa93bbc5d swap swap defaults 0
tmpfs /dev/shm tmpfs defaults 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
[root@cmspnfs1 ~]#
[root@cmspnfs1 ~]# mount
/dev/sdb3 on / type ext4 (rw)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw,gid=5,mode=620)
tmpfs on /dev/shm type tmpfs (rw)
/dev/sdb1 on /boot type ext4 (rw)
/dev/sda1 on /storage/local/data1 type ext4 (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
[root@cmspnfs1 ~]# df
Filesystem 1K-blocks Used Available Use% Mounted on
/dev/sdb3 553860088 42085904 483633080 9% /
tmpfs 24707184 0 24707184 0% /dev/shm
/dev/sdb1 999320 90016 856876 10% /boot
/dev/sda1 287701384 64424 273015932 1% /storage/local/data1
```

Check if puppet runs cleanly, first with noop, as we do not want to break the node again.

Runs cleanly. Although DBdisk label does not exist:

```
[root@cmspnfs1 ~]# lsblk -o name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sdb
├─sdb1 /boot          1G d50f8aaf-9505-432b-a941-3158b6f57504
├─sdb2 [SWAP]        20G 995f4e67-5c6c-450f-802f-185fa93bbc5d
└─sdb3 /              536.8G 8768b22d-bd96-4acd-b267-dfdbe924f411
sda                278.9G
```

```
└─sda1 /storage/local/data1 278.9G d82c49e1-3115-4ac0-ab23-f4d94eab8486
sr0 1024M
```

Try if persists the reboot:

```
[root@cmspnfs1 ~]# reboot
```

Broadcast message from [root@cmspnfs1.fnal.gov](mailto:root@cmspnfs1.fnal.gov)  
(/dev/pts/0) at 14:57 ...

The system is going down for reboot NOW!

```
[root@cmspnfs1 ~]# Connection to cmspnfs1 closed by remote host.
Connection to cmspnfs1 closed.
```

Node comes up in a maintenance mode again on reboot with readonly system.

1. HEADER: This file was autogenerated at Wed Aug 12 11:05:42 -0500 2015
2. HEADER: by puppet. While it can still be managed manually, it
3. HEADER: is definitely not recommended.

```
[root@cmspnfs1 ~]# touch nnnn
touch: cannot touch `nnnn': Read-only file system
[root@cmspnfs1 ~]# cat /etc/fstab
```

#

```
1. /etc/fstab
2. Created by anaconda on Wed Nov 26 19:57:49 2014 #
3. Accessible filesystems, by reference, are maintained under '/dev/disk'
4. See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info #
  UUID=8768b22d-bd96-4acd-b267-dfdbe924f411 / ext4 defaults 11
  UUID=d50f8aaf-9505-432b-a941-3158b6f57504 /boot ext4 defaults 12
  UUID=d82c49e1-3115-4ac0-ab23-f4d94eab8486 /storage/local/data1 ext4 defaults 1 2
  UUID=995f4e67-5c6c-450f-802f-185fa93bbc5d swap swap defaults 00
tmpfs /dev/shm tmpfs defaults 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
#LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
LABEL=DBdisk /var/lib/pgsql-puppet ext4 defaults 1 1
```

```
[root@cmspnfs1 ~]# df
Filesystem 1K-blocks Used Available Use% Mounted on
/dev/sdb3 553860088 42107304 483611680 9% /
[root@cmspnfs1 ~]# lsblk -e name,mountpoint,label,size,uuid
NAME MOUNTPOINT LABEL SIZE UUID
sdb 557.8G
├─ sdb1 1G d50f8aaf-9505-432b-a941-3158b6f57504
├─ sdb2 20G 995f4e67-5c6c-450f-802f-185fa93bbc5d
└─ sdb3 / 536.8G 8768b22d-bd96-4acd-b267-dfdbe924f411
sda 278.9G
└─ sda1 278.9G d82c49e1-3115-4ac0-ab23-f4d94eab8486
sr0 1024M
```

```
[root@cmspnfs1 ~]# mount /dev/sda1 /mnt
EXT4 fs (sda1): mounted filesystem with ordered data mode. Opt:
[root@cmspnfs1 ~]# cd /mnt
[root@cmspnfs1 mnt]# ls
copyOnceWalls disk.sh delNewWalls.sh lost+found
copyWalls disk.sh delOnceNewWalls.sh
[root@cmspnfs1 mnt]# ls -ltr
total 40
-rwxr-xr-x 1 cmsprod us_cms 418 Jul 2 2014 delOnceNewWalls.sh
-rwxr-xr-x 1 cmsprod us_cms 452 Jul 2 2014 delNewWalls.sh
-rwxr-xr-x 1 cmsprod us_cms 677 Jul 2 2014 copyWalls disk.sh
-rwxr-xr-x 1 cmsprod us_cms 627 Jul 2 2014 copyOnceWalls disk.sh
drwxr-xr-x 2 root root 16384 Nov 26 2014 lost+found
drwxr-xr-x 3 root root 4096 Dec 11 2014 .
dr-xr-xr-x 25 root root 4096 Aug 18 14:57 ..
```