

CMS dCache - Task #9895

CMS-T1 downtime Aug 26th for dCache upgrade.

08/25/2015 04:00 PM - Natalia Ratnikova

Status:	Resolved	Start date:	08/25/2015
Priority:	Normal	Due date:	
Assignee:	Natalia Ratnikova	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	3.60 hours
Description			
Down time starts at 1pm last till 4pm. Upgrade to dCache 2.2.29 - security patch Move to openjdk java yum update and reboot everything to get new kernel.			

History

#1 - 08/25/2015 04:22 PM - Natalia Ratnikova

Plan:

Declare downtime in check_mk .

1. Add new dcache rpm to uscmst1 repo.
2. Stop phedex agents
3. Stop dcache service on cmsrmdisk.
4. Uninstall snapshot version.
5. Proceed with upgrade and reboot and checks , see Gerard's commands
6. Fix any remaining issues
7. Start phedex agents
8. Check phedex download logs
9. Declare the end of downtime

#2 - 08/25/2015 04:37 PM - Natalia Ratnikova

From 1pm to 3 pm on 08-26-2015 , one hour before official end, so we see any alarms coming

#3 - 08/25/2015 04:56 PM - Natalia Ratnikova

on cmsadmin1:

```
[root@cmsadmin1 Aug-26-2015]# pwd
/root/natalia/Aug-26-2015
[root@cmsadmin1 Aug-26-2015]# wc -l *
191 dcache-disk-pools.list
4 dcache-disk-servers.list
195 total
[root@cmsadmin1 Aug-26-2015]#
```

#4 - 08/25/2015 05:00 PM - Natalia Ratnikova

Preparation step : run yum update in advance on all nodes, so the new kernel rpm is installed

on root@cmsadmin1

```
cd /root/natalia/Aug-26-2015
```

```
[root@cmsadmin1 Aug-26-2015]# pssh -h dcache-disk-servers.list -l root -t 0 -p 50 -o yum_update_srvs.log -e yum_update_srvs.err
'kernelversion=2.6.32-573.3.1.el6.x86_64; yum update -y; rpm -q kernel-${kernelversion}'
[1] 17:57:01 [SUCCESS] cmsrmdisk.fnal.gov
[2] 17:57:02 [SUCCESS] cmschimeradiskbackup.fnal.gov
[3] 17:57:03 [SUCCESS] cmsdcacheadmindisk.fnal.gov
[4] 17:57:10 [SUCCESS] cmschimeradisk.fnal.gov
[root@cmsadmin1 Aug-26-2015]#
```

```
[root@cmsadmin1 Aug-26-2015]# time pssh -h dcache-disk-pools.list -l root -t 0 -p 50 -o yum_update_pools.log -e yum_update_pools.err
'kernelversion=2.6.32-573.3.1.el6.x86_64; yum update -y; rpm -q kernel-${kernelversion}'
```

[1] 17:59:43 [SUCCESS] cmsstor221.fnal.gov
[2] 17:59:52 [SUCCESS] cmsstor201.fnal.gov
[3] 17:59:55 [SUCCESS] cmsstor185.fnal.gov
[4] 17:59:58 [SUCCESS] cmsstor181.fnal.gov
[5] 17:59:58 [SUCCESS] cmsstor216.fnal.gov
[6] 17:59:58 [SUCCESS] cmsstor195.fnal.gov
[7] 17:59:58 [SUCCESS] cmsstor175.fnal.gov
[8] 17:59:58 [SUCCESS] cmsstor203.fnal.gov
[9] 17:59:58 [SUCCESS] cmsstor182.fnal.gov
[10] 17:59:59 [SUCCESS] cmsstor172.fnal.gov
[11] 17:59:59 [SUCCESS] cmsstor177.fnal.gov
[12] 17:59:59 [SUCCESS] cmsstor220.fnal.gov
[13] 17:59:59 [SUCCESS] cmsstor193.fnal.gov
[14] 18:00:00 [SUCCESS] cmsstor173.fnal.gov
[15] 18:00:00 [SUCCESS] cmsstor217.fnal.gov
[16] 18:00:00 [SUCCESS] cmsstor171.fnal.gov
[17] 18:00:00 [SUCCESS] cmsstor183.fnal.gov
[18] 18:00:00 [SUCCESS] cmsstor174.fnal.gov
[19] 18:00:00 [SUCCESS] cmsstor178.fnal.gov
[20] 18:00:00 [SUCCESS] cmsstor209.fnal.gov
[21] 18:00:00 [SUCCESS] cmsstor196.fnal.gov
[22] 18:00:00 [SUCCESS] cmsstor168.fnal.gov
[23] 18:00:01 [SUCCESS] cmsstor176.fnal.gov
[24] 18:00:01 [SUCCESS] cmsstor219.fnal.gov
[25] 18:00:01 [SUCCESS] cmsstor189.fnal.gov
[26] 18:00:01 [SUCCESS] cmsstor214.fnal.gov
[27] 18:00:01 [SUCCESS] cmsstor179.fnal.gov
[28] 18:00:02 [SUCCESS] cmsstor187.fnal.gov
[29] 18:00:03 [SUCCESS] cmsstor169.fnal.gov
[30] 18:00:03 [SUCCESS] cmsstor237.fnal.gov
[31] 18:00:03 [SUCCESS] cmsstor206.fnal.gov
[32] 18:00:03 [SUCCESS] cmsstor186.fnal.gov
[33] 18:00:04 [SUCCESS] cmsstor212.fnal.gov
[34] 18:00:04 [SUCCESS] cmsstor194.fnal.gov
[35] 18:00:04 [SUCCESS] cmsstor210.fnal.gov
[36] 18:00:04 [SUCCESS] cmsstor198.fnal.gov
[37] 18:00:04 [SUCCESS] cmsstor184.fnal.gov
[38] 18:00:04 [SUCCESS] cmsstor215.fnal.gov
[39] 18:00:08 [SUCCESS] cmsstor213.fnal.gov
[40] 18:00:12 [SUCCESS] cmsstor207.fnal.gov
[41] 18:00:15 [SUCCESS] cmsstor199.fnal.gov
[42] 18:00:16 [SUCCESS] cmsstor191.fnal.gov
[43] 18:00:19 [SUCCESS] cmsstor197.fnal.gov
[44] 18:00:20 [SUCCESS] cmsstor188.fnal.gov
[45] 18:00:23 [SUCCESS] cmsstor205.fnal.gov
[46] 18:00:27 [SUCCESS] cmsstor204.fnal.gov
[47] 18:00:35 [SUCCESS] cmsstor208.fnal.gov
[48] 18:01:01 [SUCCESS] cmsstor222.fnal.gov
[49] 18:01:07 [SUCCESS] cmsstor242.fnal.gov
[50] 18:01:08 [SUCCESS] cmsstor223.fnal.gov
[51] 18:01:08 [SUCCESS] cmsstor192.fnal.gov
[52] 18:01:11 [SUCCESS] cmsstor224.fnal.gov
[53] 18:01:12 [SUCCESS] cmsstor227.fnal.gov
[54] 18:01:12 [SUCCESS] cmsstor226.fnal.gov
[55] 18:01:12 [SUCCESS] cmsstor233.fnal.gov
[56] 18:01:13 [SUCCESS] cmsstor234.fnal.gov
[57] 18:01:15 [SUCCESS] cmsstor231.fnal.gov
[58] 18:01:15 [SUCCESS] cmsstor236.fnal.gov
[59] 18:01:15 [SUCCESS] cmsstor244.fnal.gov
[60] 18:01:16 [SUCCESS] cmsstor232.fnal.gov
[61] 18:01:16 [SUCCESS] cmsstor238.fnal.gov
[62] 18:01:16 [SUCCESS] cmsstor239.fnal.gov
[63] 18:01:17 [SUCCESS] cmsstor230.fnal.gov
[64] 18:01:17 [SUCCESS] cmsstor246.fnal.gov
[65] 18:01:17 [SUCCESS] cmsstor250.fnal.gov
[66] 18:01:18 [SUCCESS] cmsstor243.fnal.gov
[67] 18:01:18 [SUCCESS] cmsstor240.fnal.gov
[68] 18:01:18 [SUCCESS] cmsstor245.fnal.gov
[69] 18:01:18 [SUCCESS] cmsstor248.fnal.gov
[70] 18:01:19 [SUCCESS] cmsstor249.fnal.gov
[71] 18:01:19 [SUCCESS] cmsstor247.fnal.gov
[72] 18:01:19 [SUCCESS] cmsstor229.fnal.gov
[73] 18:01:25 [SUCCESS] cmsstor251.fnal.gov
[74] 18:01:27 [SUCCESS] cmsstor235.fnal.gov
[75] 18:01:33 [SUCCESS] cmsstor241.fnal.gov

[76] 18:01:37 [SUCCESS] cmsstor211.fnal.gov
[77] 18:01:38 [SUCCESS] cmsstor228.fnal.gov
[78] 18:01:39 [SUCCESS] cmsstor225.fnal.gov
[79] 18:01:46 [SUCCESS] cmsstor202.fnal.gov
[80] 18:03:04 [SUCCESS] cmsstor264.fnal.gov
[81] 18:03:10 [SUCCESS] cmsstor267.fnal.gov
[82] 18:03:10 [SUCCESS] cmsstor323.fnal.gov
[83] 18:03:14 [SUCCESS] cmsstor266.fnal.gov
[84] 18:03:16 [SUCCESS] cmsstor265.fnal.gov
[85] 18:03:18 [SUCCESS] cmsstor313.fnal.gov
[86] 18:03:19 [SUCCESS] cmsstor218.fnal.gov
[87] 18:03:20 [SUCCESS] cmsstor312.fnal.gov
[88] 18:03:20 [SUCCESS] cmsstor316.fnal.gov
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[91] 18:03:21 [SUCCESS] cmsstor310.fnal.gov
[92] 18:03:21 [SUCCESS] cmsstor314.fnal.gov
[93] 18:03:21 [SUCCESS] cmsstor311.fnal.gov
[94] 18:03:22 [SUCCESS] cmsstor273.fnal.gov
[95] 18:03:23 [SUCCESS] cmsstor261.fnal.gov
[96] 18:03:27 [SUCCESS] cmsstor317.fnal.gov
[97] 18:03:28 [SUCCESS] cmsstor271.fnal.gov
[98] 18:03:31 [SUCCESS] cmsstor318.fnal.gov
[99] 18:03:32 [SUCCESS] cmsstor270.fnal.gov
[100] 18:03:33 [SUCCESS] cmsstor319.fnal.gov
[101] 18:03:35 [SUCCESS] cmsstor275.fnal.gov
[102] 18:03:40 [SUCCESS] cmsstor320.fnal.gov
[103] 18:03:41 [SUCCESS] cmsstor321.fnal.gov
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[108] 18:04:12 [SUCCESS] cmsstor282.fnal.gov
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[112] 18:04:19 [SUCCESS] cmsstor269.fnal.gov
[113] 18:04:19 [SUCCESS] cmsstor286.fnal.gov
[114] 18:04:19 [SUCCESS] cmsstor285.fnal.gov
[115] 18:04:21 [SUCCESS] cmsstor268.fnal.gov
[116] 18:04:21 [SUCCESS] cmsstor293.fnal.gov
[117] 18:04:22 [SUCCESS] cmsstor291.fnal.gov
[118] 18:04:24 [SUCCESS] cmsstor288.fnal.gov
[119] 18:04:27 [SUCCESS] cmsstor272.fnal.gov
[120] 18:04:28 [SUCCESS] cmsstor294.fnal.gov
[121] 18:04:33 [SUCCESS] cmsstor274.fnal.gov
[122] 18:04:33 [SUCCESS] cmsstor292.fnal.gov
[123] 18:04:35 [SUCCESS] cmsstor276.fnal.gov
[124] 18:05:00 [SUCCESS] cmsstor341.fnal.gov
[125] 18:05:14 [SUCCESS] cmsstor279.fnal.gov
[126] 18:05:18 [SUCCESS] cmsstor280.fnal.gov
[127] 18:05:22 [SUCCESS] cmsstor281.fnal.gov
[128] 18:05:24 [SUCCESS] cmsstor283.fnal.gov
[129] 18:05:29 [SUCCESS] cmsstor289.fnal.gov
[130] 18:05:32 [SUCCESS] cmsstor290.fnal.gov
[131] 18:05:42 [SUCCESS] cmsstor329.fnal.gov
[132] 18:06:18 [SUCCESS] cmsstor325.fnal.gov
[133] 18:06:19 [SUCCESS] cmsstor326.fnal.gov
[134] 18:06:31 [SUCCESS] cmsstor334.fnal.gov
[135] 18:06:32 [SUCCESS] cmsstor336.fnal.gov
[136] 18:06:33 [SUCCESS] cmsstor333.fnal.gov
[137] 18:06:37 [SUCCESS] cmsstor344.fnal.gov
[138] 18:06:37 [SUCCESS] cmsstor328.fnal.gov
[139] 18:06:38 [SUCCESS] cmsstor345.fnal.gov
[140] 18:06:43 [SUCCESS] cmsstor342.fnal.gov
[141] 18:06:49 [SUCCESS] cmsstor353.fnal.gov
[142] 18:07:08 [SUCCESS] cmsstor369.fnal.gov
[143] 18:07:18 [SUCCESS] cmsstor370.fnal.gov
[144] 18:07:25 [SUCCESS] cmsstor327.fnal.gov
[145] 18:07:26 [SUCCESS] cmsstor358.fnal.gov
[146] 18:07:29 [SUCCESS] cmsstor324.fnal.gov
[147] 18:07:30 [SUCCESS] cmsstor354.fnal.gov
[148] 18:07:31 [SUCCESS] cmsstor339.fnal.gov
[149] 18:07:31 [SUCCESS] cmsstor330.fnal.gov
[150] 18:07:32 [SUCCESS] cmsstor331.fnal.gov

```
[151] 18:07:34 [SUCCESS] cmsstor360.fnal.gov
[152] 18:07:35 [SUCCESS] cmsstor364.fnal.gov
[153] 18:07:35 [SUCCESS] cmsstor337.fnal.gov
[154] 18:07:37 [SUCCESS] cmsstor332.fnal.gov
[155] 18:07:37 [SUCCESS] cmsstor338.fnal.gov
[156] 18:07:38 [SUCCESS] cmsstor366.fnal.gov
[157] 18:07:38 [SUCCESS] cmsstor335.fnal.gov
[158] 18:07:39 [SUCCESS] cmsstor340.fnal.gov
[159] 18:07:49 [SUCCESS] cmsstor402.fnal.gov
[160] 18:07:50 [SUCCESS] cmsstor401.fnal.gov
[161] 18:07:55 [SUCCESS] cmsstor347.fnal.gov
[162] 18:07:57 [SUCCESS] cmsstor348.fnal.gov
[163] 18:07:57 [SUCCESS] cmsstor346.fnal.gov
[164] 18:07:59 [SUCCESS] cmsstor409.fnal.gov
[165] 18:07:59 [SUCCESS] cmsstor403.fnal.gov
[166] 18:08:03 [SUCCESS] cmsstor404.fnal.gov
[167] 18:08:04 [SUCCESS] cmsstor343.fnal.gov
[168] 18:08:04 [SUCCESS] cmsstor349.fnal.gov
[169] 18:08:07 [SUCCESS] cmsstor406.fnal.gov
[170] 18:08:09 [SUCCESS] cmsstor405.fnal.gov
[171] 18:08:10 [SUCCESS] cmsstor410.fnal.gov
[172] 18:08:11 [SUCCESS] cmsstor407.fnal.gov
[173] 18:08:14 [SUCCESS] cmsstor408.fnal.gov
[174] 18:08:19 [SUCCESS] cmsstor351.fnal.gov
[175] 18:08:25 [SUCCESS] cmsstor350.fnal.gov
[176] 18:08:27 [SUCCESS] cmsstor352.fnal.gov
[177] 18:08:30 [SUCCESS] cmsstor357.fnal.gov
[178] 18:08:31 [SUCCESS] cmsstor355.fnal.gov
[179] 18:08:33 [SUCCESS] cmsstor356.fnal.gov
[180] 18:08:34 [SUCCESS] cmsstor359.fnal.gov
[181] 18:08:39 [SUCCESS] cmsstor361.fnal.gov
[182] 18:08:39 [SUCCESS] cmsstor363.fnal.gov
[183] 18:08:41 [SUCCESS] cmsstor362.fnal.gov
[184] 18:08:49 [SUCCESS] cmsstor365.fnal.gov
[185] 18:08:55 [SUCCESS] cmsstor372.fnal.gov
[186] 18:08:55 [SUCCESS] cmsstor371.fnal.gov
[187] 18:09:00 [SUCCESS] cmsstor368.fnal.gov
[188] 18:09:05 [SUCCESS] cmsstor374.fnal.gov
[189] 18:09:07 [SUCCESS] cmsstor376.fnal.gov
[190] 18:09:52 [SUCCESS] cmsstor373.fnal.gov
[191] 18:10:06 [SUCCESS] cmsstor375.fnal.gov
```

```
real 11m25.432s
user 0m7.971s
sys 0m6.021s
[root@cmsadmin1 Aug-26-2015]#
```

#5 - 08/25/2015 05:52 PM - Natalia Ratnikova

Stop phedex agents on the disk instance:

```
ssh root@cmsphedex-disk
su - cmsprod
cd siteconfs/siteconf-fnaldisk.4.1.3-comp3-1.0
./pmgr Dev stop
./pmgr Debug stop
./pmgr Prod stop
```

And on the tape instance:

```
ssh root@cmssrv228
su - cmsprod
cd /home/cmsprod/siteconf-git/
./pmgr Dev stop
./pmgr Debug stop
./pmgr Prod stop
```

#6 - 08/25/2015 06:08 PM - Natalia Ratnikova

Upgrade dCache servers:

```
ssh root@cmsadmin1
```

Handle non-standard dcache installation on cmssrdisk: leave puppet disabled and erase non-standard dcache, as yum thinks its version is newer

than the one we are going to install:

```
ssh cmssrmdisk
puppet agent --disable
service dcache-server stop
rpm -qi dcache
yum erase dcache
rpm -qi dcache
exit
```

Now upgrade, reboot, and check all servers:

```
cd /root/natalia/Aug-26-2015
```

```
pssh -h dcache-disk-servers.list -l root -t 0 -p 4 -o upgr_srvs.log -e upgr_srvs.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; extra_rpm_check="dcache-2.2.29-1.noarch"; puppet agent --disable; service dcache-server stop; yum clean all; yum update -y; rpm -q kernel-${kernelversion} ${extra_rpm_check} && puppet agent --enable && reboot'
```

```
pssh -h dcache-disk-servers.list -l root -t 60 -p 4 -o check_srvs.log -e check_srvs.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; uptime; uname -a | grep $kernelversion && (service dcache-server status | grep -v DOMAIN | grep -v running ); dcache version;'
```

#7 - 08/25/2015 06:26 PM - Natalia Ratnikova

Upgrade reboot and check all pools

```
pssh -h dcache-disk-pools.list -l root -t 0 -p 50 -o upgr_pools.log -e upgr_pools.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; extra_rpm_check="dcache-2.2.29-1.noarch"; puppet agent --disable; service dcache-server stop; yum clean all; yum update -y; rpm -q kernel-${kernelversion} ${extra_rpm_check} && puppet agent --enable && reboot'
```

```
pssh -h dcache-disk-pools.list -l root -t 60 -p 50 -o check_pools.log -e check_pools.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; uptime; uname -a | grep $kernelversion && ((service dcache-server status | grep -v DOMAIN | grep -v running ) || service dcache-server status); dcache version;'
```

#8 - 08/25/2015 06:29 PM - Natalia Ratnikova

Start phedex agents on the disk instance:

```
ssh root@cmsphedex-disk
su - cmsprod
cd siteconfs/siteconf-fnaldisk.4.1.3-comp3-1.0
./pmgr Dev start
./pmgr Debug start
./pmgr Prod start
```

And on the tape instance:

```
ssh root@cmssrv228
su - cmsprod
cd /home/cmsprod/siteconf-git/
./pmgr Dev start
./pmgr Debug start
./pmgr Prod start
```

Check the logs to see if transfers have resumed and succeed to write data to dcache.

#9 - 08/26/2015 01:17 PM - Natalia Ratnikova

```
Last login: Wed Aug 26 12:02:47 on ttys003
mac-121252:~ natasha$ to-adm
Last login: Wed Aug 26 11:12:06 2015 from mac-122182.attlocal.net.dhcp.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 (autho-
rized 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>

```
cmsadmin1.fnal.gov - bastion/production (SLF 6.6)
32-core Opteron 6320 (H8QG6); 62.89 GB RAM, 16.00 GB swap
[root@cmsadmin1 ~]# ssh cmssrmdisk
puppet agent --disable
service dcache-server stop
rpm -qi dcache
yum erase dcache
rpm -qi dcache
exitLast login: Wed Aug 26 07:47:43 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>

```
cmssrmdisk.fnal.gov - srmdisk/production (SLF 6.6)
32-core Opteron 6320 (H8QG6); 62.89 GB RAM, 16.00 GB swap
[root@cmssrmdisk ~]# puppet agent --disable
[root@cmssrmdisk ~]# service dcache-server stop
Stopping transfermanagersDomain 0 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 done
Stopping xrootd-cmssrmdiskDomain 0 done
Stopping gsidcap-cmssrmdiskDomain 0 done
Stopping authdcap-cmssrmdiskDomain 0 done
Stopping dcap-cmssrmdiskDomain 0 done
Stopping nfsDomain.v3 0 done
[root@cmssrmdisk ~]# rpm -qi dcache
Name           : dcache                      Relocations: /
Version        : 2.2.29SNAPSHOT          Vendor: dCache.org
Release       : 1                       Build Date: Wed 14 Jan 2015 11:51:08 AM CST
Install Date: Wed 11 Feb 2015 08:27:42 AM CST   Build Host: uqbar.fnal.gov
Group         : Applications/System        Source RPM: dcache-2.2.29SNAPSHOT-1.src.rpm
Size          : 71361598                  License: Distributable
```

```
Signature : (none)
Packager  : dCache.org <support@dcache.org>.
Summary   : dCache Server
Description :
dCache is a distributed mass storage system.
```

```
This package contains the server components.
[root@cmsrrdisk ~]# yum erase dcache
Loaded plugins: priorities, security
Setting up Remove Process
Resolving Dependencies
--> Running transaction check
---> Package dcache.noarch 0:2.2.29SNAPSHOT-1 will be erased
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Removing:				
dcache	noarch	2.2.29SNAPSHOT-1	installed	68 M

Transaction Summary

```
Remove 1 Package(s)
```

```
Installed size: 68 M
Is this ok [y/N]: y
Is this ok [y/N]: Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
 Erasing      : dcache-2.2.29SNAPSHOT-1.noarch                1/1
warning: /etc/dcache/gplazma.conf saved as /etc/dcache/gplazma.conf.rpmsave
warning: /etc/dcache/dcachesrm-gplazma.policy saved as /etc/dcache/dcachesrm-gplazma.policy.rpmsave
warning: /etc/dcache/dcache.conf saved as /etc/dcache/dcache.conf.rpmsave
 Verifying    : dcache-2.2.29SNAPSHOT-1.noarch                1/1
```

```
Removed:
 dcache.noarch 0:2.2.29SNAPSHOT-1
```

Complete!

```
[root@cmsrrdisk ~]# rpm -q dcache
package dcache is not installed
[root@cmsrrdisk ~]# exit
logout
Connection to cmsrrdisk closed.
[root@cmsadmin1 ~]# cd /root/natalia/Aug-26-2015
[root@cmsadmin1 Aug-26-2015]# pssh -h dcache-disk-servers.list -l root -t 0 -p 4 -o upgr_srvs.log -e upgr_srvs
.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; extra_rpm_check="dcache-2.2.29-1.noarch"; puppet agent --disabl
e; service dcache-server stop; yum clean all; yum update -y; rpm -q kernel-${kernelversion} ${extra_rpm_check}
&& puppet agent --enable && reboot'
[1] 13:08:58 [FAILURE] cmsrrdisk.fnal.gov Exited with error code 1
[2] 13:09:09 [SUCCESS] cmschimeradiskbackup.fnal.gov
[3] 13:09:22 [SUCCESS] cmschimeradisk.fnal.gov
[4] 13:09:30 [SUCCESS] cmsdcacheheadmindisk.fnal.gov
[root@cmsadmin1 Aug-26-2015]# ssh cmsrrdisk.fnal.gov
Last login: Wed Aug 26 13:05:47 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, copy-

ing, 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>

```
cmsrrdisk.fnal.gov - srrdisk/production (SLF 6.6)
32-core Opteron 6320 (H8QG6); 62.89 GB RAM, 16.00 GB swap
[root@cmsrrdisk ~]# srpm -q dcache
-bash: srpm: command not found
[root@cmsrrdisk ~]# rpm -q dcache
package dcache is not installed
[root@cmsrrdisk ~]# yum install dcache
Loaded plugins: priorities, security
Setting up Install Process
583 packages excluded due to repository priority protections
Resolving Dependencies
--> Running transaction check
---> Package dcache.noarch 0:2.2.29-1 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
Package            Arch            Version         Repository      Size
=====
Installing:
 dcache            noarch         2.2.29-1       uscmst1         61 M
=====
```

Transaction Summary

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

Total download size: 61 M

Installed size: 68 M

Is this ok [y/N]: y

Downloading Packages:

```
dcache-2.2.29-1.noarch.rpm | 61 MB 00:00
```

Running rpm_check_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing : dcache-2.2.29-1.noarch 1/1
Verifying  : dcache-2.2.29-1.noarch 1/1
```

Installed:

```
dcache.noarch 0:2.2.29-1
```

Complete!

```
[root@cmsrrdisk ~]# cat dcache-disk-servers.list
```

```
cat: dcache-disk-servers.list: No such file or directory
```

```
[root@cmsrrdisk ~]# exit
```

logout

Connection to cmsrrdisk.fnal.gov closed.

```
[root@cmsadmin1 Aug-26-2015]# cat dcache-disk-servers.list
```

```
cmsdcacheadmin.fnal.gov
```

```
cmschimeradisk.fnal.gov
```

```
cmsrrdisk.fnal.gov
```

```
cmschimeradiskbackup.fnal.gov
```

```
[root@cmsadmin1 Aug-26-2015]# grep srm dcache-disk-servers.list > srrdisk.list
```

```
[root@cmsadmin1 Aug-26-2015]# pssh -h srrdisk.list -l root -t 0 -p 4 -o upgr_srvs.log -e upgr_srvs.err 'kernel
version=2.6.32-573.3.1.el6.x86_64; extra_rpm_check="dcache-2.2.29-1.noarch"; puppet agent --disable; service d
cache-server stop; yum clean all; yum update -y; rpm -q kernel-${kernelversion} ${extra_rpm_check} && puppet a
gent --enable && reboot'
```

```
[1] 13:15:08 [SUCCESS] cmsrrdisk.fnal.gov
```

```
[root@cmsadmin1 Aug-26-2015]#
```

```
[root@cmsadmin1 Aug-26-2015]# cat check_srvs.log/cmsrrdisk.fnal.gov
```



```

13:28:48 up 10 min, 0 users, load average: 2.21, 1.37, 0.67
Linux cmsssrmdisk.fnal.gov 2.6.32-573.3.1.el6.x86_64 #1 SMP Thu Aug 13 12:55:33 CDT 2015 x86_64 x86_64 x86_64 G
NU/Linux
DOMAIN                STATUS  PID   USER
nfsDomain.v3          running 9479  root
dcap-cmsssrmdiskDomain running 9556  root
authdcap-cmsssrmdiskDomain running 9622  root
gsidcap-cmsssrmdiskDomain running 9702  root
xrootd-cmsssrmdiskDomain running 9772  root
xrootdLFNs-cmsssrmdiskDomain running 9845  root
utilityDomain         running 9915  root
gPlazmaDomain         running 9990  root
srm-cmsssrmdiskDomain running 10069 root
transfermanagersDomain running 10139 root
2.2.29

```

```

[root@cmsadmin1 Aug-26-2015]# cat check_srvs.err/cmsssrmdisk.fnal.gov
[root@cmsadmin1 Aug-26-2015]# ls -l check_srvs.err/

```

```

total 0
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmschimeradiskbackup.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmschimeradisk.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmsdcacheheadmindisk.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:28 cmsssrmdisk.fnal.gov

```

```

[root@cmsadmin1 Aug-26-2015]#
[root@cmsadmin1 Aug-26-2015]# cat check_srvs.log/cmsssrmdisk.fnal.gov

```

```

13:28:48 up 10 min, 0 users, load average: 2.21, 1.37, 0.67
Linux cmsssrmdisk.fnal.gov 2.6.32-573.3.1.el6.x86_64 #1 SMP Thu Aug 13 12:55:33 CDT 2015 x86_64 x86_64 x86_64 G
NU/Linux
DOMAIN                STATUS  PID   USER
nfsDomain.v3          running 9479  root
dcap-cmsssrmdiskDomain running 9556  root
authdcap-cmsssrmdiskDomain running 9622  root
gsidcap-cmsssrmdiskDomain running 9702  root
xrootd-cmsssrmdiskDomain running 9772  root
xrootdLFNs-cmsssrmdiskDomain running 9845  root
utilityDomain         running 9915  root
gPlazmaDomain         running 9990  root
srm-cmsssrmdiskDomain running 10069 root
transfermanagersDomain running 10139 root
2.2.29

```

```

[root@cmsadmin1 Aug-26-2015]# cat check_srvs.err/cmsssrmdisk.fnal.gov
[root@cmsadmin1 Aug-26-2015]# ls -l check_srvs.err/

```

```

total 0
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmschimeradiskbackup.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmschimeradisk.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:18 cmsdcacheheadmindisk.fnal.gov
-rw-r--r-- 1 root root 0 Aug 26 13:28 cmsssrmdisk.fnal.gov

```

```

[root@cmsadmin1 Aug-26-2015]# pssh -h dcache-disk-pools.list -l root -t 0 -p 50 -o upgr_pools.log -e upgr_pool
s.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; extra_rpm_check="dcache-2.2.29-1.noarch"; puppet agent --disab
le; service dcache-server stop; yum clean all; yum update -y; rpm -q kernel-${kernelversion} ${extra_rpm_check
} && puppet agent --enable && reboot'

```

```

[1] 13:32:05 [SUCCESS] cmsstor201.fnal.gov
[2] 13:32:07 [SUCCESS] cmsstor221.fnal.gov
[3] 13:32:10 [SUCCESS] cmsstor189.fnal.gov
[4] 13:32:11 [SUCCESS] cmsstor195.fnal.gov
[5] 13:32:11 [SUCCESS] cmsstor176.fnal.gov
[6] 13:32:12 [SUCCESS] cmsstor193.fnal.gov
[7] 13:32:12 [SUCCESS] cmsstor210.fnal.gov
[8] 13:32:13 [SUCCESS] cmsstor209.fnal.gov
[9] 13:32:13 [SUCCESS] cmsstor185.fnal.gov
[10] 13:32:13 [SUCCESS] cmsstor212.fnal.gov
[11] 13:32:13 [SUCCESS] cmsstor183.fnal.gov
[12] 13:32:13 [SUCCESS] cmsstor173.fnal.gov
[13] 13:32:14 [SUCCESS] cmsstor217.fnal.gov
[14] 13:32:14 [SUCCESS] cmsstor175.fnal.gov
[15] 13:32:14 [SUCCESS] cmsstor214.fnal.gov
[16] 13:32:14 [SUCCESS] cmsstor187.fnal.gov
[17] 13:32:15 [SUCCESS] cmsstor220.fnal.gov
[18] 13:32:15 [SUCCESS] cmsstor216.fnal.gov
[19] 13:32:15 [SUCCESS] cmsstor213.fnal.gov
[20] 13:32:15 [SUCCESS] cmsstor219.fnal.gov
[21] 13:32:15 [SUCCESS] cmsstor172.fnal.gov
[22] 13:32:15 [SUCCESS] cmsstor184.fnal.gov
[23] 13:32:15 [SUCCESS] cmsstor174.fnal.gov
[24] 13:32:15 [SUCCESS] cmsstor178.fnal.gov
[25] 13:32:15 [SUCCESS] cmsstor182.fnal.gov

```

[26] 13:32:16 [SUCCESS] cmsstor169.fnal.gov
[27] 13:32:16 [SUCCESS] cmsstor194.fnal.gov
[28] 13:32:16 [SUCCESS] cmsstor168.fnal.gov
[29] 13:32:16 [SUCCESS] cmsstor181.fnal.gov
[30] 13:32:17 [SUCCESS] cmsstor171.fnal.gov
[31] 13:32:17 [SUCCESS] cmsstor215.fnal.gov
[32] 13:32:17 [SUCCESS] cmsstor186.fnal.gov
[33] 13:32:17 [SUCCESS] cmsstor177.fnal.gov
[34] 13:32:18 [SUCCESS] cmsstor203.fnal.gov
[35] 13:32:18 [SUCCESS] cmsstor198.fnal.gov
[36] 13:32:21 [SUCCESS] cmsstor196.fnal.gov
[37] 13:32:24 [SUCCESS] cmsstor191.fnal.gov
[38] 13:32:25 [SUCCESS] cmsstor199.fnal.gov
[39] 13:32:25 [SUCCESS] cmsstor206.fnal.gov
[40] 13:32:26 [SUCCESS] cmsstor179.fnal.gov
[41] 13:32:26 [SUCCESS] cmsstor207.fnal.gov
[42] 13:32:26 [SUCCESS] cmsstor205.fnal.gov
[43] 13:32:30 [SUCCESS] cmsstor197.fnal.gov
[44] 13:32:30 [SUCCESS] cmsstor188.fnal.gov
[45] 13:32:42 [SUCCESS] cmsstor204.fnal.gov
[46] 13:32:51 [SUCCESS] cmsstor208.fnal.gov
[47] 13:33:01 [SUCCESS] cmsstor242.fnal.gov
[48] 13:33:02 [SUCCESS] cmsstor223.fnal.gov
[49] 13:33:04 [SUCCESS] cmsstor237.fnal.gov
[50] 13:33:04 [SUCCESS] cmsstor224.fnal.gov
[51] 13:33:04 [SUCCESS] cmsstor233.fnal.gov
[52] 13:33:04 [SUCCESS] cmsstor227.fnal.gov
[53] 13:33:05 [SUCCESS] cmsstor222.fnal.gov
[54] 13:33:06 [SUCCESS] cmsstor236.fnal.gov
[55] 13:33:07 [SUCCESS] cmsstor230.fnal.gov
[56] 13:33:07 [SUCCESS] cmsstor243.fnal.gov
[57] 13:33:07 [SUCCESS] cmsstor250.fnal.gov
[58] 13:33:07 [SUCCESS] cmsstor226.fnal.gov
[59] 13:33:08 [SUCCESS] cmsstor232.fnal.gov
[60] 13:33:08 [SUCCESS] cmsstor229.fnal.gov
[61] 13:33:08 [SUCCESS] cmsstor244.fnal.gov
[62] 13:33:08 [SUCCESS] cmsstor238.fnal.gov
[63] 13:33:08 [SUCCESS] cmsstor234.fnal.gov
[64] 13:33:09 [SUCCESS] cmsstor248.fnal.gov
[65] 13:33:09 [SUCCESS] cmsstor192.fnal.gov
[66] 13:33:09 [SUCCESS] cmsstor240.fnal.gov
[67] 13:33:09 [SUCCESS] cmsstor239.fnal.gov
[68] 13:33:10 [SUCCESS] cmsstor245.fnal.gov
[69] 13:33:10 [SUCCESS] cmsstor249.fnal.gov
[70] 13:33:10 [SUCCESS] cmsstor231.fnal.gov
[71] 13:33:11 [SUCCESS] cmsstor246.fnal.gov
[72] 13:33:13 [SUCCESS] cmsstor251.fnal.gov
[73] 13:33:14 [SUCCESS] cmsstor264.fnal.gov
[74] 13:33:15 [SUCCESS] cmsstor228.fnal.gov
[75] 13:33:16 [SUCCESS] cmsstor247.fnal.gov
[76] 13:33:16 [SUCCESS] cmsstor261.fnal.gov
[77] 13:33:19 [SUCCESS] cmsstor235.fnal.gov
[78] 13:33:19 [SUCCESS] cmsstor211.fnal.gov
[79] 13:33:22 [SUCCESS] cmsstor266.fnal.gov
[80] 13:33:22 [SUCCESS] cmsstor265.fnal.gov
[81] 13:33:23 [SUCCESS] cmsstor272.fnal.gov
[82] 13:33:26 [SUCCESS] cmsstor270.fnal.gov
[83] 13:33:29 [SUCCESS] cmsstor273.fnal.gov
[84] 13:33:29 [SUCCESS] cmsstor267.fnal.gov
[85] 13:33:29 [SUCCESS] cmsstor274.fnal.gov
[86] 13:33:29 [SUCCESS] cmsstor225.fnal.gov
[87] 13:33:31 [SUCCESS] cmsstor241.fnal.gov
[88] 13:33:41 [SUCCESS] cmsstor275.fnal.gov
[89] 13:33:41 [SUCCESS] cmsstor263.fnal.gov
[90] 13:33:46 [SUCCESS] cmsstor262.fnal.gov
[91] 13:33:49 [SUCCESS] cmsstor269.fnal.gov
[92] 13:33:49 [SUCCESS] cmsstor202.fnal.gov
[93] 13:33:54 [SUCCESS] cmsstor271.fnal.gov
[94] 13:33:58 [SUCCESS] cmsstor268.fnal.gov
[95] 13:33:58 [SUCCESS] cmsstor315.fnal.gov
[96] 13:33:58 [SUCCESS] cmsstor309.fnal.gov
[97] 13:34:01 [SUCCESS] cmsstor312.fnal.gov
[98] 13:34:01 [SUCCESS] cmsstor313.fnal.gov
[99] 13:34:02 [SUCCESS] cmsstor314.fnal.gov
[100] 13:34:03 [SUCCESS] cmsstor311.fnal.gov

[101] 13:34:04 [SUCCESS] cmsstor286.fnal.gov
[102] 13:34:05 [SUCCESS] cmsstor317.fnal.gov
[103] 13:34:05 [SUCCESS] cmsstor319.fnal.gov
[104] 13:34:05 [SUCCESS] cmsstor281.fnal.gov
[105] 13:34:06 [SUCCESS] cmsstor285.fnal.gov
[106] 13:34:06 [SUCCESS] cmsstor283.fnal.gov
[107] 13:34:06 [SUCCESS] cmsstor320.fnal.gov
[108] 13:34:06 [SUCCESS] cmsstor289.fnal.gov
[109] 13:34:06 [SUCCESS] cmsstor310.fnal.gov
[110] 13:34:07 [SUCCESS] cmsstor316.fnal.gov
[111] 13:34:08 [SUCCESS] cmsstor321.fnal.gov
[112] 13:34:08 [SUCCESS] cmsstor278.fnal.gov
[113] 13:34:08 [SUCCESS] cmsstor318.fnal.gov
[114] 13:34:09 [SUCCESS] cmsstor279.fnal.gov
[115] 13:34:09 [SUCCESS] cmsstor322.fnal.gov
[116] 13:34:11 [SUCCESS] cmsstor280.fnal.gov
[117] 13:34:17 [SUCCESS] cmsstor329.fnal.gov
[118] 13:34:18 [SUCCESS] cmsstor276.fnal.gov
[119] 13:34:22 [SUCCESS] cmsstor323.fnal.gov
[120] 13:34:27 [SUCCESS] cmsstor325.fnal.gov
[121] 13:34:29 [SUCCESS] cmsstor277.fnal.gov
[122] 13:34:30 [SUCCESS] cmsstor331.fnal.gov
[123] 13:34:32 [SUCCESS] cmsstor328.fnal.gov
[124] 13:34:34 [SUCCESS] cmsstor294.fnal.gov
[125] 13:34:34 [SUCCESS] cmsstor291.fnal.gov
[126] 13:34:36 [SUCCESS] cmsstor287.fnal.gov
[127] 13:34:36 [SUCCESS] cmsstor218.fnal.gov
[128] 13:34:36 [SUCCESS] cmsstor290.fnal.gov
[129] 13:34:36 [SUCCESS] cmsstor293.fnal.gov
[130] 13:34:36 [SUCCESS] cmsstor284.fnal.gov
[131] 13:34:37 [SUCCESS] cmsstor282.fnal.gov
[132] 13:34:38 [SUCCESS] cmsstor288.fnal.gov
[133] 13:34:40 [SUCCESS] cmsstor292.fnal.gov
[134] 13:34:51 [SUCCESS] cmsstor324.fnal.gov
[135] 13:34:51 [SUCCESS] cmsstor336.fnal.gov
[136] 13:34:53 [SUCCESS] cmsstor337.fnal.gov
[137] 13:34:55 [SUCCESS] cmsstor326.fnal.gov
[138] 13:34:57 [SUCCESS] cmsstor335.fnal.gov
[139] 13:34:58 [SUCCESS] cmsstor338.fnal.gov
[140] 13:35:01 [SUCCESS] cmsstor327.fnal.gov
[141] 13:35:02 [SUCCESS] cmsstor343.fnal.gov
[142] 13:35:03 [SUCCESS] cmsstor330.fnal.gov
[143] 13:35:05 [SUCCESS] cmsstor350.fnal.gov
[144] 13:35:08 [SUCCESS] cmsstor351.fnal.gov
[145] 13:35:09 [SUCCESS] cmsstor359.fnal.gov
[146] 13:35:10 [SUCCESS] cmsstor353.fnal.gov
[147] 13:35:10 [SUCCESS] cmsstor332.fnal.gov
[148] 13:35:12 [SUCCESS] cmsstor345.fnal.gov
[149] 13:35:14 [SUCCESS] cmsstor349.fnal.gov
[150] 13:35:16 [SUCCESS] cmsstor334.fnal.gov
[151] 13:35:17 [SUCCESS] cmsstor333.fnal.gov
[152] 13:35:23 [SUCCESS] cmsstor362.fnal.gov
[153] 13:35:23 [SUCCESS] cmsstor339.fnal.gov
[154] 13:35:26 [SUCCESS] cmsstor370.fnal.gov
[155] 13:35:27 [SUCCESS] cmsstor342.fnal.gov
[156] 13:35:28 [SUCCESS] cmsstor341.fnal.gov
[157] 13:35:29 [SUCCESS] cmsstor369.fnal.gov
[158] 13:35:31 [SUCCESS] cmsstor364.fnal.gov
[159] 13:35:31 [SUCCESS] cmsstor340.fnal.gov
[160] 13:35:31 [SUCCESS] cmsstor401.fnal.gov
[161] 13:35:32 [SUCCESS] cmsstor346.fnal.gov
[162] 13:35:32 [SUCCESS] cmsstor365.fnal.gov
[163] 13:35:33 [SUCCESS] cmsstor402.fnal.gov
[164] 13:35:33 [SUCCESS] cmsstor348.fnal.gov
[165] 13:35:33 [SUCCESS] cmsstor355.fnal.gov
[166] 13:35:34 [SUCCESS] cmsstor352.fnal.gov
[167] 13:35:35 [SUCCESS] cmsstor356.fnal.gov
[168] 13:35:36 [SUCCESS] cmsstor368.fnal.gov
[169] 13:35:36 [SUCCESS] cmsstor374.fnal.gov
[170] 13:35:37 [SUCCESS] cmsstor347.fnal.gov
[171] 13:35:37 [SUCCESS] cmsstor357.fnal.gov
[172] 13:35:39 [SUCCESS] cmsstor360.fnal.gov
[173] 13:35:40 [SUCCESS] cmsstor354.fnal.gov
[174] 13:35:42 [SUCCESS] cmsstor404.fnal.gov
[175] 13:35:43 [SUCCESS] cmsstor403.fnal.gov

```
[176] 13:35:43 [SUCCESS] cmsstor344.fnal.gov
[177] 13:35:43 [SUCCESS] cmsstor405.fnal.gov
[178] 13:35:43 [SUCCESS] cmsstor358.fnal.gov
[179] 13:35:44 [SUCCESS] cmsstor406.fnal.gov
[180] 13:35:45 [SUCCESS] cmsstor361.fnal.gov
[181] 13:35:45 [SUCCESS] cmsstor372.fnal.gov
[182] 13:35:48 [SUCCESS] cmsstor407.fnal.gov
[183] 13:35:49 [SUCCESS] cmsstor410.fnal.gov
[184] 13:35:49 [SUCCESS] cmsstor363.fnal.gov
[185] 13:35:50 [SUCCESS] cmsstor408.fnal.gov
[186] 13:35:51 [SUCCESS] cmsstor409.fnal.gov
[187] 13:35:53 [SUCCESS] cmsstor366.fnal.gov
[188] 13:36:04 [SUCCESS] cmsstor375.fnal.gov
[189] 13:36:06 [SUCCESS] cmsstor373.fnal.gov
[190] 13:36:07 [SUCCESS] cmsstor376.fnal.gov
[191] 13:36:07 [SUCCESS] cmsstor371.fnal.gov
[root@cmsadmin1 Aug-26-2015]# pssh -h dcache-disk-pools.list -l root -t 60 -p 50 -o check_pools.log -e check_pools.err 'kernelversion=2.6.32-573.3.1.el6.x86_64; uptime; uname -a | grep $kernelversion && ((service dcache-server status | grep -v DOMAIN | grep -v running) || service dcache-server status); dcache version;'
[1] 13:40:50 [FAILURE] cmsstor169.fnal.gov Exited with error code 255
[2] 13:40:51 [SUCCESS] cmsstor178.fnal.gov
[3] 13:40:51 [SUCCESS] cmsstor171.fnal.gov
[4] 13:40:51 [SUCCESS] cmsstor172.fnal.gov
[5] 13:40:51 [SUCCESS] cmsstor173.fnal.gov
[6] 13:40:51 [SUCCESS] cmsstor168.fnal.gov
[7] 13:40:51 [SUCCESS] cmsstor194.fnal.gov
[8] 13:40:51 [SUCCESS] cmsstor174.fnal.gov
[9] 13:40:51 [SUCCESS] cmsstor193.fnal.gov
[10] 13:40:51 [SUCCESS] cmsstor175.fnal.gov
[11] 13:40:51 [SUCCESS] cmsstor179.fnal.gov
[12] 13:40:51 [SUCCESS] cmsstor187.fnal.gov
[13] 13:40:51 [SUCCESS] cmsstor181.fnal.gov
[14] 13:40:51 [SUCCESS] cmsstor177.fnal.gov
[15] 13:40:51 [SUCCESS] cmsstor182.fnal.gov
[16] 13:40:51 [SUCCESS] cmsstor189.fnal.gov
[17] 13:40:51 [SUCCESS] cmsstor183.fnal.gov
[18] 13:40:52 [SUCCESS] cmsstor186.fnal.gov
[19] 13:40:52 [SUCCESS] cmsstor176.fnal.gov
[20] 13:40:52 [SUCCESS] cmsstor221.fnal.gov
[21] 13:40:52 [SUCCESS] cmsstor206.fnal.gov
[22] 13:40:52 [SUCCESS] cmsstor197.fnal.gov
[23] 13:40:52 [SUCCESS] cmsstor198.fnal.gov
[24] 13:40:52 [SUCCESS] cmsstor203.fnal.gov
[25] 13:40:52 [SUCCESS] cmsstor196.fnal.gov
[26] 13:40:52 [SUCCESS] cmsstor209.fnal.gov
[27] 13:40:52 [SUCCESS] cmsstor191.fnal.gov
[28] 13:40:52 [SUCCESS] cmsstor185.fnal.gov
[29] 13:40:52 [SUCCESS] cmsstor199.fnal.gov
[30] 13:40:52 [SUCCESS] cmsstor201.fnal.gov
[31] 13:40:52 [SUCCESS] cmsstor216.fnal.gov
[32] 13:40:52 [SUCCESS] cmsstor188.fnal.gov
[33] 13:40:52 [SUCCESS] cmsstor205.fnal.gov
[34] 13:40:52 [SUCCESS] cmsstor215.fnal.gov
[35] 13:40:52 [SUCCESS] cmsstor217.fnal.gov
[36] 13:40:52 [SUCCESS] cmsstor219.fnal.gov
[37] 13:40:52 [SUCCESS] cmsstor214.fnal.gov
[38] 13:40:52 [SUCCESS] cmsstor212.fnal.gov
[39] 13:40:52 [SUCCESS] cmsstor195.fnal.gov
[40] 13:40:52 [SUCCESS] cmsstor208.fnal.gov
[41] 13:40:52 [SUCCESS] cmsstor211.fnal.gov
[42] 13:40:52 [SUCCESS] cmsstor220.fnal.gov
[43] 13:40:52 [SUCCESS] cmsstor207.fnal.gov
[44] 13:40:52 [SUCCESS] cmsstor213.fnal.gov
[45] 13:40:52 [SUCCESS] cmsstor210.fnal.gov
[46] 13:40:52 [SUCCESS] cmsstor204.fnal.gov
[47] 13:40:52 [SUCCESS] cmsstor192.fnal.gov
[48] 13:40:52 [SUCCESS] cmsstor184.fnal.gov
[49] 13:40:52 [SUCCESS] cmsstor218.fnal.gov
[50] 13:40:52 [SUCCESS] cmsstor202.fnal.gov
[51] 13:40:55 [SUCCESS] cmsstor222.fnal.gov
[52] 13:40:56 [SUCCESS] cmsstor223.fnal.gov
[53] 13:40:56 [SUCCESS] cmsstor225.fnal.gov
[54] 13:40:56 [SUCCESS] cmsstor242.fnal.gov
[55] 13:40:56 [SUCCESS] cmsstor226.fnal.gov
[56] 13:40:56 [SUCCESS] cmsstor224.fnal.gov
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[57] 13:40:56 [SUCCESS] cmsstor230.fnal.gov
[58] 13:40:56 [SUCCESS] cmsstor240.fnal.gov
[59] 13:40:56 [SUCCESS] cmsstor232.fnal.gov
[60] 13:40:56 [SUCCESS] cmsstor234.fnal.gov
[61] 13:40:56 [SUCCESS] cmsstor231.fnal.gov
[62] 13:40:56 [SUCCESS] cmsstor248.fnal.gov
[63] 13:40:56 [SUCCESS] cmsstor238.fnal.gov
[64] 13:40:56 [SUCCESS] cmsstor229.fnal.gov
[65] 13:40:56 [SUCCESS] cmsstor235.fnal.gov
[66] 13:40:56 [SUCCESS] cmsstor244.fnal.gov
[67] 13:40:56 [SUCCESS] cmsstor246.fnal.gov
[68] 13:40:56 [SUCCESS] cmsstor243.fnal.gov
[69] 13:40:56 [SUCCESS] cmsstor251.fnal.gov
[70] 13:40:56 [SUCCESS] cmsstor249.fnal.gov
[71] 13:40:56 [SUCCESS] cmsstor236.fnal.gov
[72] 13:40:56 [SUCCESS] cmsstor245.fnal.gov
[73] 13:40:56 [SUCCESS] cmsstor233.fnal.gov
[74] 13:40:56 [SUCCESS] cmsstor241.fnal.gov
[75] 13:40:56 [SUCCESS] cmsstor247.fnal.gov
[76] 13:40:56 [SUCCESS] cmsstor239.fnal.gov
[77] 13:40:56 [SUCCESS] cmsstor237.fnal.gov
[78] 13:40:56 [SUCCESS] cmsstor250.fnal.gov
[79] 13:40:56 [SUCCESS] cmsstor228.fnal.gov
[80] 13:40:57 [SUCCESS] cmsstor227.fnal.gov
[81] 13:41:00 [SUCCESS] cmsstor262.fnal.gov
[82] 13:41:00 [SUCCESS] cmsstor273.fnal.gov
[83] 13:41:00 [SUCCESS] cmsstor269.fnal.gov
[84] 13:41:00 [SUCCESS] cmsstor265.fnal.gov
[85] 13:41:00 [SUCCESS] cmsstor261.fnal.gov
[86] 13:41:00 [SUCCESS] cmsstor270.fnal.gov
[87] 13:41:00 [SUCCESS] cmsstor276.fnal.gov
[88] 13:41:00 [SUCCESS] cmsstor263.fnal.gov
[89] 13:41:00 [SUCCESS] cmsstor275.fnal.gov
[90] 13:41:00 [SUCCESS] cmsstor268.fnal.gov
[91] 13:41:00 [SUCCESS] cmsstor271.fnal.gov
[92] 13:41:00 [SUCCESS] cmsstor267.fnal.gov
[93] 13:41:00 [SUCCESS] cmsstor274.fnal.gov
[94] 13:41:00 [SUCCESS] cmsstor272.fnal.gov
[95] 13:41:00 [SUCCESS] cmsstor266.fnal.gov
[96] 13:41:00 [SUCCESS] cmsstor277.fnal.gov
[97] 13:41:00 [SUCCESS] cmsstor278.fnal.gov
[98] 13:41:00 [SUCCESS] cmsstor280.fnal.gov
[99] 13:41:00 [SUCCESS] cmsstor279.fnal.gov
[100] 13:41:01 [SUCCESS] cmsstor311.fnal.gov
[101] 13:41:01 [SUCCESS] cmsstor309.fnal.gov
[102] 13:41:01 [SUCCESS] cmsstor264.fnal.gov
[103] 13:41:01 [SUCCESS] cmsstor317.fnal.gov
[104] 13:41:01 [SUCCESS] cmsstor313.fnal.gov
[105] 13:41:01 [SUCCESS] cmsstor310.fnal.gov
[106] 13:41:01 [SUCCESS] cmsstor319.fnal.gov
[107] 13:41:01 [SUCCESS] cmsstor315.fnal.gov
[108] 13:41:01 [SUCCESS] cmsstor312.fnal.gov
[109] 13:41:01 [SUCCESS] cmsstor314.fnal.gov
[110] 13:41:01 [SUCCESS] cmsstor318.fnal.gov
[111] 13:41:01 [SUCCESS] cmsstor320.fnal.gov
[112] 13:41:01 [SUCCESS] cmsstor316.fnal.gov
[113] 13:41:01 [SUCCESS] cmsstor321.fnal.gov
[114] 13:41:01 [SUCCESS] cmsstor322.fnal.gov
[115] 13:41:03 [SUCCESS] cmsstor281.fnal.gov
[116] 13:41:04 [SUCCESS] cmsstor283.fnal.gov
[117] 13:41:04 [SUCCESS] cmsstor285.fnal.gov
[118] 13:41:04 [SUCCESS] cmsstor284.fnal.gov
[119] 13:41:04 [SUCCESS] cmsstor288.fnal.gov
[120] 13:41:04 [SUCCESS] cmsstor290.fnal.gov
[121] 13:41:04 [SUCCESS] cmsstor289.fnal.gov
[122] 13:41:04 [SUCCESS] cmsstor286.fnal.gov
[123] 13:41:04 [SUCCESS] cmsstor282.fnal.gov
[124] 13:41:04 [SUCCESS] cmsstor292.fnal.gov
[125] 13:41:04 [SUCCESS] cmsstor287.fnal.gov
[126] 13:41:04 [SUCCESS] cmsstor294.fnal.gov
[127] 13:41:04 [SUCCESS] cmsstor291.fnal.gov
[128] 13:41:05 [SUCCESS] cmsstor293.fnal.gov
[129] 13:41:05 [SUCCESS] cmsstor323.fnal.gov
[130] 13:41:05 [SUCCESS] cmsstor324.fnal.gov
[131] 13:41:07 [SUCCESS] cmsstor329.fnal.gov

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[132] 13:41:08 [SUCCESS] cmsstor326.fnal.gov
[133] 13:41:08 [SUCCESS] cmsstor327.fnal.gov
[134] 13:41:08 [SUCCESS] cmsstor325.fnal.gov
[135] 13:41:08 [SUCCESS] cmsstor337.fnal.gov
[136] 13:41:08 [SUCCESS] cmsstor333.fnal.gov
[137] 13:41:08 [SUCCESS] cmsstor332.fnal.gov
[138] 13:41:08 [SUCCESS] cmsstor328.fnal.gov
[139] 13:41:08 [SUCCESS] cmsstor338.fnal.gov
[140] 13:41:08 [SUCCESS] cmsstor331.fnal.gov
[141] 13:41:08 [SUCCESS] cmsstor336.fnal.gov
[142] 13:41:08 [SUCCESS] cmsstor330.fnal.gov
[143] 13:41:08 [SUCCESS] cmsstor334.fnal.gov
[144] 13:41:08 [SUCCESS] cmsstor339.fnal.gov
[145] 13:41:08 [SUCCESS] cmsstor335.fnal.gov
[146] 13:41:08 [SUCCESS] cmsstor340.fnal.gov
[147] 13:41:08 [SUCCESS] cmsstor341.fnal.gov
[148] 13:41:09 [SUCCESS] cmsstor342.fnal.gov
[149] 13:41:09 [SUCCESS] cmsstor343.fnal.gov
[150] 13:41:09 [SUCCESS] cmsstor345.fnal.gov
[151] 13:41:09 [SUCCESS] cmsstor344.fnal.gov
[152] 13:41:09 [SUCCESS] cmsstor346.fnal.gov
[153] 13:41:09 [SUCCESS] cmsstor349.fnal.gov
[154] 13:41:09 [SUCCESS] cmsstor350.fnal.gov
[155] 13:41:09 [SUCCESS] cmsstor348.fnal.gov
[156] 13:41:09 [SUCCESS] cmsstor369.fnal.gov
[157] 13:41:09 [SUCCESS] cmsstor354.fnal.gov
[158] 13:41:09 [SUCCESS] cmsstor351.fnal.gov
[159] 13:41:09 [SUCCESS] cmsstor352.fnal.gov
[160] 13:41:09 [SUCCESS] cmsstor353.fnal.gov
[161] 13:41:09 [SUCCESS] cmsstor347.fnal.gov
[162] 13:41:09 [SUCCESS] cmsstor370.fnal.gov
[163] 13:41:09 [SUCCESS] cmsstor356.fnal.gov
[164] 13:41:09 [SUCCESS] cmsstor355.fnal.gov
[165] 13:41:09 [SUCCESS] cmsstor357.fnal.gov
[166] 13:41:10 [SUCCESS] cmsstor358.fnal.gov
[167] 13:41:11 [SUCCESS] cmsstor359.fnal.gov
[168] 13:41:12 [SUCCESS] cmsstor368.fnal.gov
[169] 13:41:12 [SUCCESS] cmsstor364.fnal.gov
[170] 13:41:12 [SUCCESS] cmsstor362.fnal.gov
[171] 13:41:12 [SUCCESS] cmsstor363.fnal.gov
[172] 13:41:12 [SUCCESS] cmsstor360.fnal.gov
[173] 13:41:12 [SUCCESS] cmsstor361.fnal.gov
[174] 13:41:13 [SUCCESS] cmsstor365.fnal.gov
[175] 13:41:13 [SUCCESS] cmsstor372.fnal.gov
[176] 13:41:13 [SUCCESS] cmsstor366.fnal.gov
[177] 13:41:13 [SUCCESS] cmsstor371.fnal.gov
[178] 13:41:13 [SUCCESS] cmsstor373.fnal.gov
[179] 13:41:13 [SUCCESS] cmsstor374.fnal.gov
[180] 13:41:14 [SUCCESS] cmsstor375.fnal.gov
[181] 13:41:14 [SUCCESS] cmsstor402.fnal.gov
[182] 13:41:14 [SUCCESS] cmsstor401.fnal.gov
[183] 13:41:14 [SUCCESS] cmsstor404.fnal.gov
[184] 13:41:14 [SUCCESS] cmsstor410.fnal.gov
[185] 13:41:14 [SUCCESS] cmsstor406.fnal.gov
[186] 13:41:14 [SUCCESS] cmsstor409.fnal.gov
[187] 13:41:15 [SUCCESS] cmsstor403.fnal.gov
[188] 13:41:15 [SUCCESS] cmsstor408.fnal.gov
[189] 13:41:15 [SUCCESS] cmsstor405.fnal.gov
[190] 13:41:15 [SUCCESS] cmsstor407.fnal.gov
[191] 13:41:15 [SUCCESS] cmsstor376.fnal.gov
[root@cmsadmin1 Aug-26-2015]#
```

```
[root@cmsadmin1 Aug-26-2015]# ls -l check_pools.err/ | grep -v "0 Aug"
```

```
total 40
-rw-r--r-- 1 root root 68 Aug 26 13:40 cmsstor169.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor214.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor217.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor227.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor245.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor274.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor284.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor318.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:40 cmsstor321.fnal.gov
-rw-r--r-- 1 root root 76 Aug 26 13:41 cmsstor347.fnal.gov
```

```
[root@cmsadmin1 Aug-26-2015]# ls -l check_pools.err/ | grep -v "0 Aug" > non-zero-error.pools
```

```
[root@cmsadmin1 Aug-26-2015]# ls -l check_pools.err/ | grep -v "0 Aug" | awk '{print $NF}'> non-zero-error.poo
ls
[root@cmsadmin1 Aug-26-2015]# cat check_pools.err/cmsstor227.fnal.gov
Warning: No xauth data; using fake authentication data for X11 forwarding.
[root@cmsadmin1 Aug-26-2015]# cat check_pools.err/cmsstor169.fnal.gov
ssh: connect to host cmsstor169.fnal.gov port 22: No route to host
[root@cmsadmin1 Aug-26-2015]# for f in check_pools.log/*; do tail -1 $f; done | sort -u
2.2.29
```

#10 - 08/26/2015 01:54 PM - Natalia Ratnikova

Power cycle cmsstor169 which came up on reboot in maintainance mode.

#11 - 08/26/2015 02:40 PM - Natalia Ratnikova

Started agents . Sent email to cms-t1
Clearing any remaining alarms in check_mk for dcache disk group .

Natalia Ratnikova:

I see CRIT errors in check_mk for some pools:

CRIT - 32 CRIT messages (Last worst: "Aug 26 13:36:53 cmsstor261 kernel: ACPI Error: No handler for Region [SACS] (ffff8810252c3420) [PCI_Config] (20090903/evregion-331)")

and some warnings about wrong eth speed

Gerard Bernabeu:

that's a 'discardable' error that this thing complains about after each reboot... You can clean them all
the network thing needs some more attanteion

I

I'm fixing the same on some tape pools by doing ifdown; ifup

#12 - 08/26/2015 04:25 PM - Natalia Ratnikova

Test fix suggested by Gerard on cmsstor168 (need to give bond0 interface as an argument)
Rerun check to make sure alarm is gone.

get list of pool servers with warnings from check_mk - manually :

```
root@cmsadmin1:/root/natalia/Aug-26-2015/wrong_speed.list
```

Construct pssh for those pools

```
[root@cmsadmin1 Aug-26-2015]# pssh -h wrong_speed.list -l root -t0 -p 12 -o fix_speed.log -e fix_speed.err 'ifdown bond0; ifup bond0'
```

```
[1] 16:23:46 [SUCCESS] cmsstor168.fnal.gov
[2] 16:23:47 [SUCCESS] cmsstor182.fnal.gov
[3] 16:23:47 [SUCCESS] cmsstor210.fnal.gov
[4] 16:23:47 [SUCCESS] cmsstor234.fnal.gov
[5] 16:23:47 [SUCCESS] cmsstor208.fnal.gov
[6] 16:23:47 [SUCCESS] cmsstor220.fnal.gov
[7] 16:23:48 [SUCCESS] cmsstor223.fnal.gov
[8] 16:23:48 [SUCCESS] cmsstor243.fnal.gov
[9] 16:23:48 [SUCCESS] cmsstor226.fnal.gov
[10] 16:23:48 [SUCCESS] cmsstor247.fnal.gov
[11] 16:23:48 [SUCCESS] cmsstor230.fnal.gov
[12] 16:23:49 [SUCCESS] cmsstor207.fnal.gov
```

#13 - 08/26/2015 04:25 PM - Natalia Ratnikova

- Status changed from Assigned to Resolved