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<u>EMC isilon</u>   <u>Leave a comment</u>

<u>Troubleshooting (http://nerdsector.com/ns/2012/10/14/useful-isilon-commands-for-troubleshooting/) Commands</u>

Here are some some useful Isilon commands to assist you in troubleshooting Isilon storage array issues.

Grep the log for stalled drives on the isilon cluster

```
    cat /var/log/messages |grep -o 'stalled: [0-9,*:]*'|sort |uniq -c
```
(Stalled drives are bad, and can cause cluster problems. you could also run this command on the individual nodes /var/log/restripe.log)

Grep the log for stalled drives on the isilon cluster for month of Sept

```
grep 'Nov ' /var/log/messages |grep -o 'stalled: [0-9,*:]*'|sort |uniq -c
```
Use this on the restripe.log

```
  grep 'Nov ' /var/log/restripe.log |grep -o 'Stalled drives are \[[0-9,*:]*\]'|so
```
When reviewing the results of the stalled drives it is important to note that the drive numbers listed is the logical drive number and not the bay number. You need to run the command "isi devices" on the node with the suspect drive to determine what bay the drive is actually in.

Display the SMART error log of all the drives on a given isilon node:

```
isi_radish -a|less
```
Display the current isilon Flexprotect Policy

```
isi get /ifs
```
Display the current isilon node hardware status:

```
isi_hw_status
```
Display the status of the isilon node network config

```
isi config
```
then while in the config utility

```
 status
```
Display this list of alerts in wide format

```
 isi alerts -w
```
Start/Stop/Resume/Pause Restriper jobs

```
 isi restripe pause
isi restripe start
isi restripe stop
 isi restripe resume -i
```
Display the drive status of a given isilon node

```
   #for node 3
     isi devices -d 3
```
Display the SAS drives Physical Monitoring stats for errors

```
     less /var/log/isi_sasphymon.acc
```
Test Active Directory connections from all isilon nodes

```
     isi_for_array wbinfo -t
```
To find an open file on Isilon Windows share

```
     isi_for_array -q -s smbstatus | grep
```
 then find the PID from the results and then run this to get the user
```
     isi_for_array -q -s smbstatus -u| grep     to get the user
```
Note: The isi_for_array command runs the command on all of the nodes. This command will ask for the user's password so that it can login to the other nodes and complete the command. When passing the results of a "isi_for_array" command to another command such as grep (like the example above) will require the user password so that it can be passed to the other nodes. There is no prompt for the password so you must enter it on the next line and press enter to get the results of the command.

To Fail the Disk on the node proactively

isi devices -a smartfail -d 11:bay4

To Gather Logs on all Nodes

isi_gather_info -f /var/crash

To see what's taking up space in the */var/crash* partition, run the following command on any node in the cluster:

isi_for_array -qs 'df -h'
isi_for_array -sq 'find /var/crash -type f -size +10000 -exec ls -lh {} \;'

To check windows mappings on the isilon

isi auth mapping token –name=enterprise\ \userid

once the syniq is done follow the below procedure to make the target file systems as read and write

isi sync target break –policy=govindisi01_ifs_hybrid_gridlogs_TO_govindisi02_ifs_hybrid_gridlogs –force

isi sync target break –policy=govindisi01_ifs_hybrid_BRID_DATA_TO_govindisi02_ifs_hybrid_BRID_DATA –force

Posted January 6, 2013 by g6237118