Storage pool on the cluster node fails due to CRC check.

One of the storage pool of the cluster node is failing due to CRC check.

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Environment ⓘ

- Any MapR Cluster

Symptom ⓘ

- Storage pool on the fileserver node is failing with below error in mfs.log-3

```
ERROR lun.cc (http://lun.cc):771 Disk /dev/sde hit IO error Invalid exchange 52, iotype 2
ERROR lun.cc (http://lun.cc):773 Disk /dev/sde hit IO Ready error 52
ERROR spinit.cc (http://spinit.cc):1091 SP SP2:/dev/sde offline with CRC error. Bad block or bad disk. Error 52.
ERROR spinit.cc (http://spinit.cc):290 SP SP2:/dev/sde online failed, it was previously marked with disk ERROR: CRC error, 52. To bring it online first repair the SP using fsck utility.
```

Diagnostics ⓘ

- Confirm the offline SP by using below command this will display all the SP on the node.

```
# /opt/mapr/server/mrconfig sp list -v
```

- If the sp is not visible use below command to reload form */opt/mapr/conf/disktab* the SP and use SP list to see all the SPs.

```
# /opt/mapr/server/mrconfig sp refresh
```

Root Cause ⓘ

Solutions ⓘ

- Repair the SP with the command.

```
# /opt/mapr/server/fsck -d -r -m <Free_memory> -n <Sp_name>

Example :-

# /opt/mapr/server/fsck -d -r -m 1024 -n SP
```

Here "-m" is memory which you need to pass option based on free memory on node using "free -g".

- **NOTE**:- Before executing the *fsck* please ensure that there is no volume DATA unavailability or volume low replication(*VOLUME_ALARM_DATA_UNDER_REPLICATED* or *VOLUME_ALARM_DATA_UNAVAILABLE*) alarm in cluster using below command.

```
# maprcli alarm list
```

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