

Monitoring Multiple Instances of MapR Filesystem

The various ways to monitor the health and performance of your cluster are described here. This section describes the commands you can run to perform some additional monitoring.

Determining the Number of Running Instances

Run the following command to determine the number of instances actually running:

```
/opt/mapr/server/mrconfig info instances
```

Your output will look similar to the following. This output shows that 2 FileServer instances are running on ports 5660 and 5661.

```
[root@atsqa8c171 ~]# /opt/mapr/server/mrconfig info instances
2
5660 5661
```

Alternatively, on large clusters, run the following command to:

- Determine the number of configured instances:

```
# maprcli node list -columns numInstances
hostname          numInstances  ip
atsqa4-161.qa.lab  1             10.10.88.161
atsqa4-162.qa.lab  1             10.10.88.162
atsqa4-163.qa.lab  1             10.10.88.163
atsqa4-164.qa.lab  1             10.10.88.164
```

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- Determine the number of running instances reported by MapR Filesystem to CLDB:

```
# maprcli node list -columns numReportedInstances
numReportedInstances hostname          ip
2                    atsqa4-161.qa.lab  10.10.88.161
1                    atsqa4-162.qa.lab  10.10.88.162
1                    atsqa4-163.qa.lab  10.10.88.163
2                    atsqa4-164.qa.lab  10.10.88.164
```

Determining the Number of MapR Filesystem Threads

You can run the `mrconfig info threads` command to view MapR Filesystem threads from all the instances. The output is tagged to identify the instance.