

## Multi-mfs Enablement

For DB workloads on high-end servers, MapR has made several performance enhancements. For MapR-DB deployments or instances are configured on nodes with at least two SPs.

On servers with SSDs, this feature is automatically enabled with a fresh install or upgrade.

### List of SP's

```
[root@VM202 ~]# /opt/mapr/server/mrconfig sp list
```

```
ListSPs resp: status 0:2
```

```
No. of SPs (2), totalsize 47539 MB, totalfree 46644 MB
```

```
SP 0: name SP1, Online, size 24179 MB, free 23686 MB, path /dev/sdb
```

```
SP 1: name SP2, Online, size 23360 MB, free 22958 MB, path /dev/sdd
```

### Currently Running mfs instances

```
[root@VM202 ~]# /opt/mapr/server/mrconfig info instances
```

```
1
```

```
5660
```

For now, I have 2 SP's ,for each SP, I am enabling 1 mfs instance. So for 1 SP , one dedicated mfs process(5660) and for ar process (5661) will be assigning.

Here are the way to **enable multi-mfs**.

```
[root@VM202 ~]# maprccli config save -values {multimfs.numinstances.pernode:2}
```

```
[root@VM202 ~]# maprccli config save -values {multimfs.numsp.perinstance:1}
```

Restart the warden after changing process.

```
[root@VM202 ~]# service mapr-warden restart
```

After Resatrtr the warden , check the mfs instances.

```
[root@VM202 ~]# /opt/mapr/server/mrconfig info instances
```

```
2
```

```
5660 5661
```

here we are able to see 2 mfs processes are running with id's 5660,5661

And in logs directory , we can see **two logs generated** for each one.

```
[root@VM202 ~]# ll /opt/mapr/logs/
```

```
mfs.log-0
```

```
mfs.log.1-0
```

```
mfs.log-1
```

```
mfs.log.1-1
```

```
mfs.log.1-2
```

```
mfs.log-2
```

```
mfs.log-3
```

```
mfs.log.1-3
```

```
mfs.log-4
```

```
mfs.log.1-4
```