

Module 4–Backup, Recovery and Maintenance

Hands On Guide

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Step by Step Configuration for Backup and Recovery for Hadoop Cluster

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1. Hadoop Backup and Recovery

a. Secondary namenode checkpointing

If you want to explicitly specify the file to be used by the namenode

```
hadoop-daemons.sh --hosts masters start secondarynamenode
```

```
hdfs secondarynamenode -checkpoint force
```

b. Hadoop namenode – important checkpoint

```
<property>  
  <name>fs.checkpoint.dir</name>  
  <value>/data/new</value>  
</property>
```

c. Save NameSpace

```
hadoop dfsadmin -safemode enter
```

```
hadoop dfsadmin -saveNamespace
```

Remember it updates under the Namespace directory.

d. Metadata Save

```
hdfs dfsadmin -metasave filename.txt
```

e. Can do a detailed view of the namespace (above 0.21)

```
hdfs oiv -i /data/namenode/current/fsimage -o fsimage.txt
```

```
<property>  
  <name>dfs.secondary.http.address</name>  
  <value>192.168.1.68:50090</value>  
</property>
```