

Getting help or usage

Let us explore details about how to list the commands and get the help or usage for given command.

- Even though we can run commands from almost all the nodes in the clusters, we should only use Gateway to run HDFS Commands.
- First we need to make sure designated Gateway server is Gateway for HDFS service so that we can run commands from Gateway node. In our case we have designated **gw02.itversity.com** or **gw03.itversity.com** as Gateways.
- Typically Namenode process will be running on port number 8020. We can also pass namenode URI to access HDFS.

```
%%sh
```

```
head -20 /etc/hadoop/conf/core-site.xml
```

```
%%sh
```

```
hdfs dfs -ls /user/${USER}
```

```
%%sh
```

```
hdfs dfs -ls hdfs://nn01.itversity.com:8020/user/${USER}
```

- **hadoop fs** or **hdfs dfs** – list all the commands available
- **hadoop fs -usage** – will give us basic usage for given command
- **hadoop fs -help** – will give us additional information for all the commands. It is same as just running **hadoop fs** or **hdfs dfs**.
- We can run help on individual commands as well - example: **hadoop fs -help ls** or **hdfs dfs -help ls**

```
%%sh
```

```
hdfs dfs -help
```

```
%%sh
```

```
hdfs dfs -usage ls
```

```
%%sh
```

```
hdfs dfs -help ls
```

```
%%sh
```

```
hdfs dfs -ls /public/retail_db
```