

## Task1: Check whether /usr/acadgild directory exists or not in the HDFS.

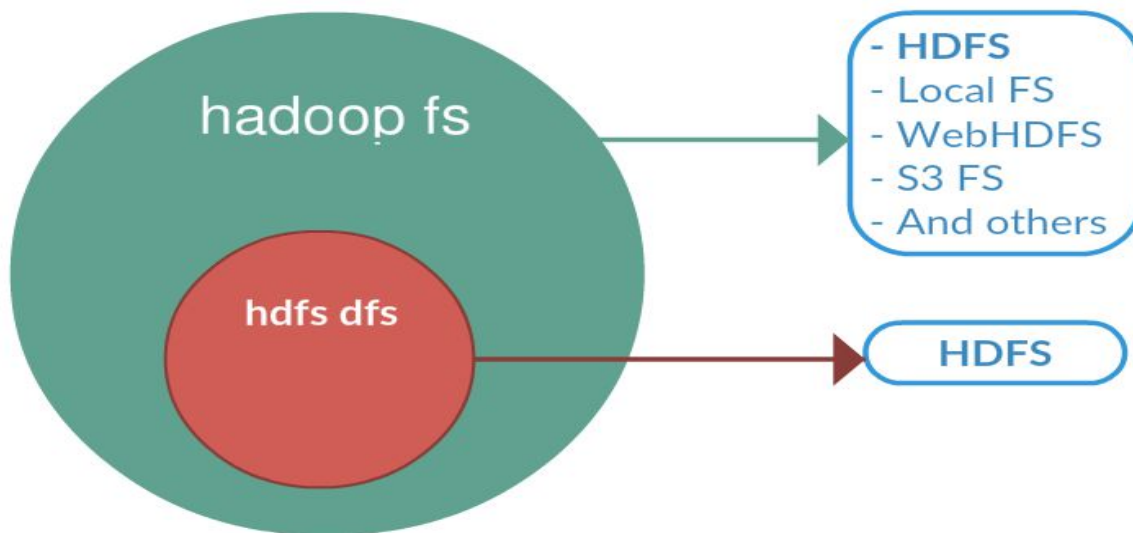
```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadmild@localhost:~
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost ~]$ hdfs dfs -ls /usr/acadmild
18/07/18 11:46:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
ls: '/usr/acadmild': No such file or directory
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost ~]$
```

1. It can be clearly observed that the directory **/usr/acadmild** is not present (**ls: '/usr/acadmild': No such file or directory**). This can be achieved by running the **hdfs dfs** commands.

Ex: **\$hdfs dfs -l /usr/acadmild**

Here **dfs** is very specific file system for HDFS. Would work for operations relates to HDFS.

The following figure shows **hadoop file system** structure:



2. Now we can create the new directory **/usr/acadmild/hadoop** using the **hdfs dfs** command.

```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadmild@localhost:~
File Edit View Search Terminal Help
[acadmild@localhost ~]$ hdfs dfs -mkdir -p /usr/acadmild/hadoop
18/07/18 12:21:25 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost ~]$ hdfs dfs -ls /usr/
18/07/18 12:21:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
drwxr-xr-x - acadmild supergroup 0 2018-07-18 12:21 /usr/acadmild
[acadmild@localhost ~]$ hdfs dfs -ls /usr/acadmild
18/07/18 12:21:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
drwxr-xr-x - acadmild supergroup 0 2018-07-18 12:21 /usr/acadmild/hadoop
[acadmild@localhost ~]$
```

3. New directory can be created inside an HDFS using **-mkdir** command:

Ex: ***\$hdfs dfs -mkdir -p /usr/acadgild/hadoop***

This will create a directory called *acadgild* inside the */usr/*, and the directory *hadoop* inside the */usr/acadgild/* directories.

Here *-mkdir* (make directory) command create a directory with the option *-p* (*path*).

4. Whether the directories are created or not can be seen by using the command *-ls*.

EX: ***\$hdfs dfs -ls /usr*** # Show the directories under */usr*.

In our case, the directory */usr/acadgild* is present.

Ex: ***\$hdfs dfs -ls /usr/acadgild/*** #Show the directories under */usr/acadgild/*

In out case, the directory */usr/acadgild/hadoop* is present.