

Hadoop Distributed File System

Step 1: Moving data into Hadoop Distributed File System (HDFS)

For any queries in Hive and Pig, we need to load the data in HDFS. For queries in hive we will load the data in HDFS and for queries in Pig we will use the data from local file system.

The snapshot also contains some hadoop fs commands and mkdir to create directory in hadoop file system.

Applications Places System 5:45 AM

training@localhost:~

File Edit View Terminal Tabs Help

```
[training@localhost ~]$ hadoop fs -mkdir project
[training@localhost ~]$ hadoop fs -put udemycourses.csv project
[training@localhost ~]$ hadoop fs -ls
Found 4 items
drwxr-xr-x - training supergroup          0 2020-06-29 16:45 /user/training/30june
drwxr-xr-x - training supergroup          0 2020-06-30 23:56 /user/training/emp
drwxr-xr-x - training supergroup          0 2020-07-02 05:42 /user/training/project
drwxr-xr-x - training supergroup          0 2020-06-29 17:19 /user/training/years
[training@localhost ~]$
```

eog (3) File Manag... training@l... [HDFS:/us... 5:46 AM

HDFS:/user/training - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost.localdomain:50075 Google

HDFS:/user/training

Goto: /user/training go

[Go to parent directory](#)

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
30june	dir				2020-06-29 16:45	rwxf-xr-x	training	supergroup
emp	dir				2020-06-30 23:56	rwxf-xr-x	training	supergroup
project	dir				2020-07-02 05:42	rwxf-xr-x	training	supergroup
years	dir				2020-06-29 17:19	rwxf-xr-x	training	supergroup

Done

eog (3) File Manag... [training@l... HDFS:/use...

Applications Places System 5:51 AM

training@localhost:~

File Edit View Terminal Tabs Help

```
[training@localhost ~]$ hadoop fs -cat /user/training/project/udemycourses.csv
```

eog (4) File Manag... training@l... [HDFS:/us...

Applications Places System 5:53 AM

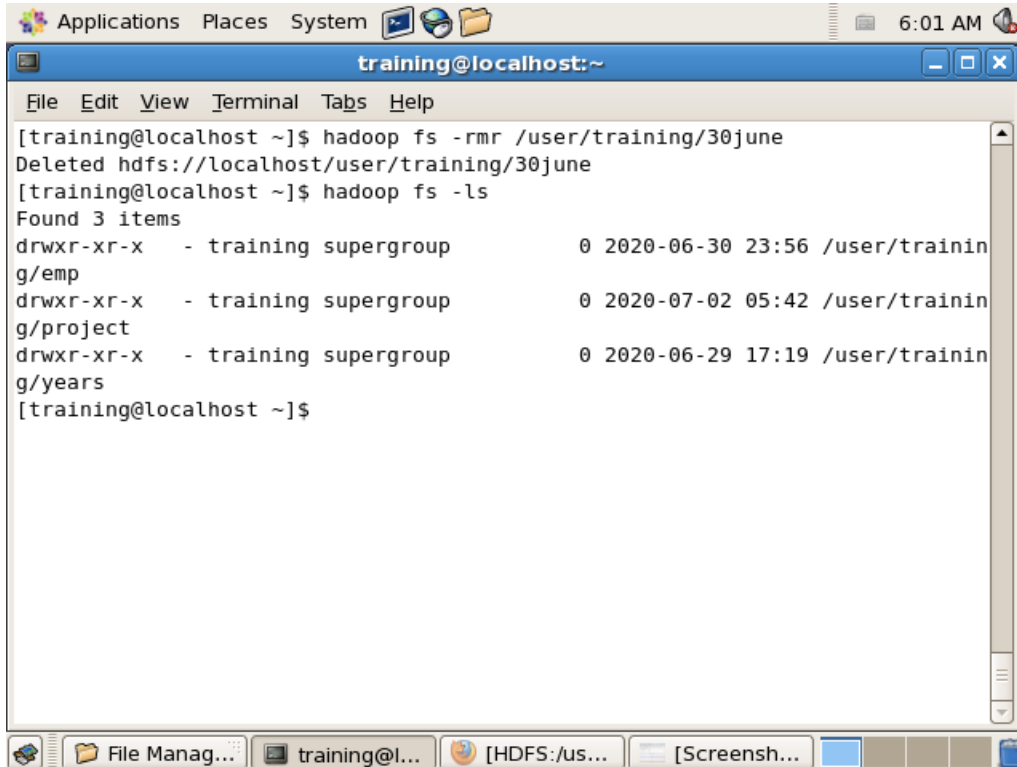
training@localhost:~

File Edit View Terminal Tabs Help

```
psd-to-wordpress-theme-development-from-scratch,TRUE,200,1284,173,301,All Levels,26,Web Development
3267,1020722,PHP Zend Framework 111-Creating a CRUD Application,zend-framework-111creating-a-crud-application,TRUE,40,1122,5,7,All Levels,1,Web Development
3268,752706,Write quicker HTML5 and CSS 3; productivity hacks with emmet,write-quicker-html5-and-css-3-productivity-hacks-with-emmet,FALSE,0,13016,286,15,All Levels,2,Web Development
3269,633606,The Ultimate jQuery Course,essential-jquery-training,TRUE,20,1098,15,54,All Levels,3,Web Development
3270,461176,Build an Advanced Single Page with Bootstrap and WordPress,single-page-design-with-bootstrap-css-html5-js-parallax,TRUE,95,481,75,77,Intermediate Level,6,Web Development
3271,1030774,Master all PHP ideas 2017 to build any project,master-all-php-ideas-2017-to-build-any-project,TRUE,50,376,19,49,Beginner Level,3,Web Development
3272,221920,A Beginners Guide to the Meteor JavaScript Framework,meteorjs,TRUE,50,898,132,40,Beginner Level,2,Web Development
3273,372442,Create an E-commerce website without any coding,create-an-e-commerce-website-without-any-coding,TRUE,20,1393,40,9,All Levels,1,Web Development
3274,851560,Learn To Build Apps Using Play Framework,learn-to-build-apps-usi
```

eog (5) File Manag... training@l... [HDFS:/us...

-rmr – used to delete a directory



The screenshot shows a terminal window titled "training@localhost:~". The window has a menu bar with "File", "Edit", "View", "Terminal", "Tabs", and "Help". The terminal output shows the following commands and results:

```
[training@localhost ~]$ hadoop fs -rmr /user/training/30june
Deleted hdfs://localhost/user/training/30june
[training@localhost ~]$ hadoop fs -ls
Found 3 items
drwxr-xr-x  - training supergroup          0 2020-06-30 23:56 /user/trainin
g/emp
drwxr-xr-x  - training supergroup          0 2020-07-02 05:42 /user/trainin
g/project
drwxr-xr-x  - training supergroup          0 2020-06-29 17:19 /user/trainin
g/years
[training@localhost ~]$
```

The taskbar at the bottom of the window shows several open applications: "File Manag...", "training@l...", "[HDFS:/us...", and "[Screensh...".