Installed Hadoop 2.7.1 with Spark 2.1.2

Started Hadoop, Spark on top of hadoop.

```
Assessible 19-12-31-30-301.

Statessible 19-12-30-301.

Statessible 19-12-301.

Statessibl
```

```
hduser@ip-172-31-29-213:~$ jps
1525 NameNode
1798 ResourceManager
2158 Master
2223 Jps
hduser@ip-172-31-29-213:~$ hadoop -fs ls
Error: No command named `-fs' was found. Perhaps you meant `hadoop fs'
hduser@ip-172-31-29-213:~$ hadoop fs -1s
Found 2 items

        drwxr-xr-x
        - hduser supergroup
        0 2017-12-04 21:43 kmeansv

        drwxr-xr-x
        - hduser supergroup
        0 2017-12-04 21:57 venkat

hduser@ip-172-31-29-213:~$ hadoop fs -put /home/ubuntu/iris.txt /user/hduser/venkat
put: `/home/ubuntu/iris.txt': No such file or directory
hduser@ip-172-31-29-213:~$ hadoop fs -put /home/hduser/iris.txt /user/hduser/venkat
hduser@ip-172-31-29-213:~$ hadoop fs -lsr
lsr: DEPRECATED: Please use 'ls -R' instead.

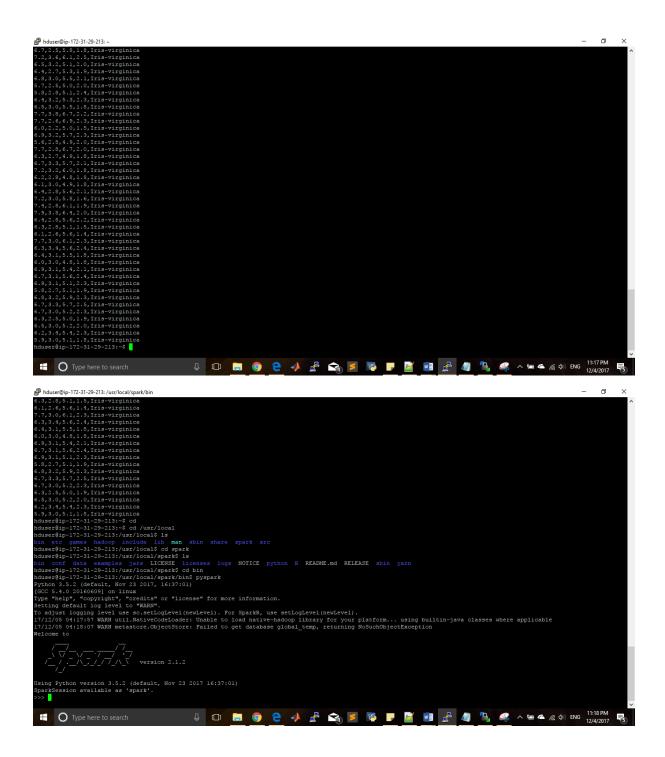
        drwxr-xr-x
        - hduser supergroup
        0 2017-12-04 21:43 kmeansv

        drwxr-xr-x
        - hduser supergroup
        0 2017-12-05 04:15 venkat

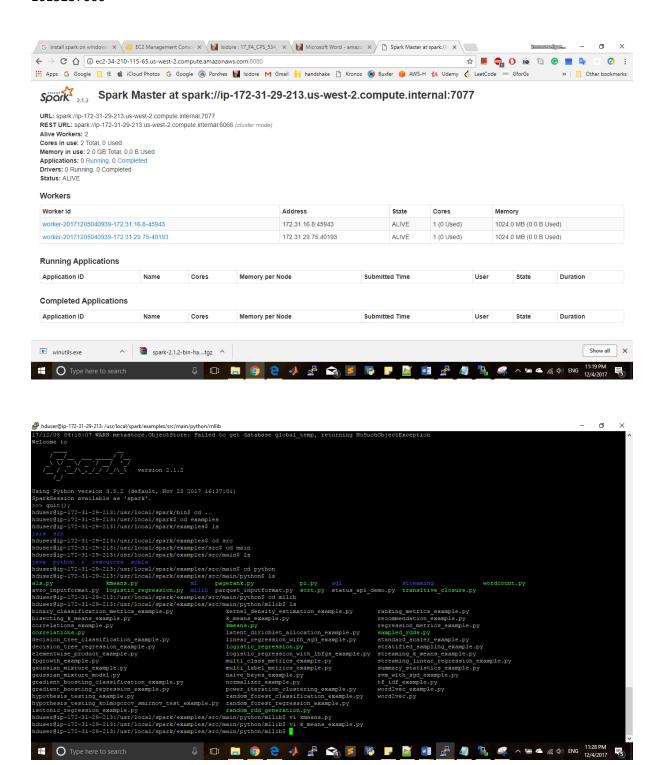
        -rw-r--r-
        2 hduser supergroup
        576 2017-12-04 21:57 venkat/input_kmeans.txt

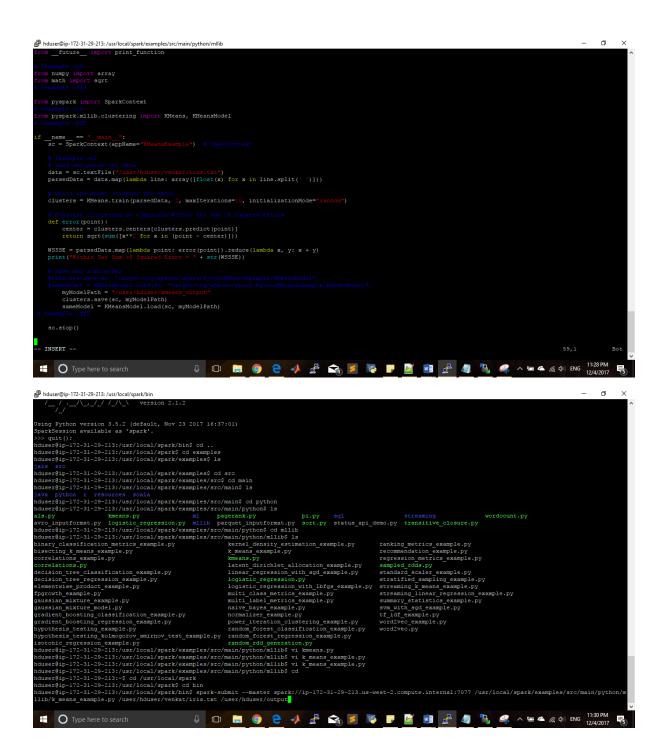
        -rw-r--r-
        2 hduser supergroup
        4700 2017-12-05 04:15 venkat/iris.txt

hduser@ip-172-31-29-213:~$
```



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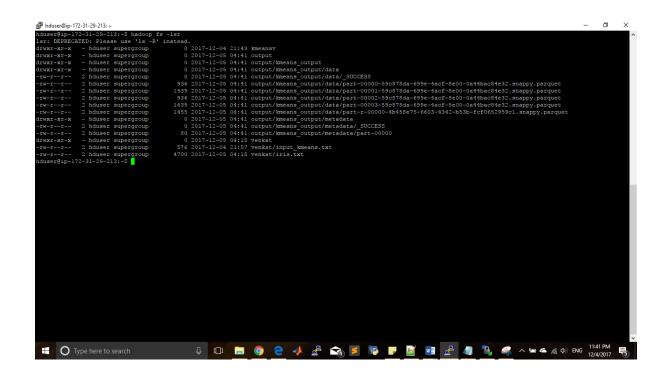




```
# 🔘 Type here to search 👢 📵 🔚 🎯 ಿ 🦸 🔀 💆 🎉 🎉 🎉 🗸 🥦 🕵 🖍 🖦 🕰 🧟 📢 ENG 11:35 PM 12:44/2017
```

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Tale format View Help Chilster: [97.1, 19.56] Data Points: [[85.97, 44.19], [91.48, 38.27], [93.81, 26.96], [86.22, 2.05], [90.13, 43.54], [83.19, 36.04], [84.08, 25.5], [81.71, 38.52], [90.35, 1.14], [91.06, 44.65], [86.72, 43.08], [80.25, 20.29], [91.8, 14.7], [77.47, 34.4], [83.72, 17.56], [92.83, 1.66], [97.56, 32.24], [87.01, 32.99], [83.18, 12.81], [81.59, 6.04], [78.32, 24.59], [95.1, 37.72], [95.50, 20.22], [91.8, 197.1], [83.61, 12.22], [97.51, 13.05], [80.23, 35.71], [86.64, 36.49], [84.64, 23.79], [96.55, 52.21], [94.84, 62.379], [96.85, 52.21], [94.94, 46.2], [91.85, 25.8], [85.32, 46.84], [80.99, 18.27], [78.8, 36.14], [84.64, 45.25], [78.5, 42.68], [87.31, 47.21], [79.66, 59], [86.96, 20.99], [96.95, 38.42], [87.67, 20.13], [84.59, 40.23], [91.95, 55.16], [95.21, 41.82], [96.27, 15.4], [82.5, 7.73], [97.15, 38.13], [92.42, 23.43], [86.74, 31.51], [97.56, 14.01], [99.9, 0.76], [96.53, 14.62], [84.95, 33.37], [83.76, 27.12], [77.07, 28.8], [95.32, 24.4], [83.66, 17.26], [77.13, 33], [83.92, 33.56], [97.68, 85.22], [97.07, 49.79], [88.83, 25.54], [98.91, 25.63], [98.91, 25.23], [98.91, 25.63], [98.91, 25.63], [98.91, 25.63], [98.91, 25.23], [98.91, 25.63], [98.91, 25.2 ata clusters.txt - Notepad ð



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