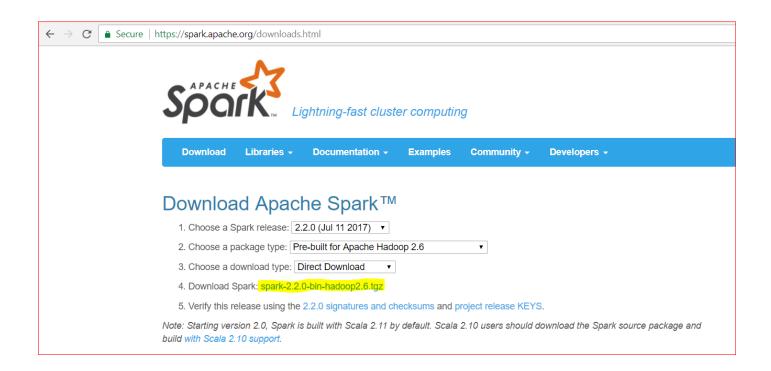
Step 1: Go to below URL and select appropriate version of spark and download clicking on the highlighted link.

https://spark.apache.org/downloads.html



Step 2: Move downloaded file to Acadgild sandbox.

```
2. Acadgild
[acadgild@localhost ~]$ ls -lrt
total 197052
drwxr-xr-x.
             2 acadgild acadgild
                                        4096 Nov
                                                   4
                                                      2015 Videos
drwxr-xr-x. 2 acadgild acadgild
                                        4096 Nov
                                                   4
                                                      2015 Templates
drwxr-xr-x. 2 acadgild acadgild
                                        4096 Nov
                                                      2015 Public
                                                   4
drwxr-xr-x. 2 acadgild acadgild
                                                      2015 Music
                                        4096 Nov
                                                   4
                                                     2015 Documents
drwxr-xr-x. 2 acadgild acadgild
                                        4096 Nov
                                                   4
drwxr-xr-x. 2 acadgild acadgild
                                        4096 Nov 20
                                                      2015 Pictures
drwxrwxr-x. 5 acadgild acadgild
                                                      2015 metastore db
                                        4096 Nov 20
drwxrwxr-x. 8 acadgild acadgild
                                        4096 Nov 20
                                                      2015 eclipse
drwxrwxr-x. 10 acadgild acadgild
                                        4096 Nov 20
                                                      2015 workspace
drwxr-xr-x. 2 acadgild acadgild
drwxrwxr-x. 3 acadgild acadgild
drwxrwxr-x. 2 acadgild acadgild
                                        4096 Nov 25
                                                      2015 Downloads
                                        4096 May 23 22:39 hdfs:
                                        4096 May 30 23:12 hadoop1
drwxr-xr-x. 3 acadgild acadgild
                                                   3 19:02 Desktop
                                        4096 Jun
drwxrwxr-x. 6 acadgild acadgild
                                        4096 Jun 12 08:05 hadoop
                                                   8 15:00 pig
drwxrwxr-x. 6 acadgild acadgild
                                        4096 Jul
drwxrwxr-x. 3 acadgild acadgild
                                        4096 Jul 12 15:15 hive
drwxrwxr-x.
             8 acadgild acadgild
                                        4096 Jul 16 01:48 project
-rw-rw-r--.
              1 acadgild acadgild 201706782 Jul 29 13:00 spark-2.2.0-bin-hadoop2.6.tar
[acadgild@localhost ~]$
```

Step 3: Unzip/untar the file using below command.

[acadgild@localhost ~]\$ tar xzf spark-2.2.0-bin-hadoop2.6.tar

```
2. Acadgild
[acadgild@localhost ~]$ tar xzf spark-2.2.0-bin-hadoop2.6.tar
[acadgild@localhost ~]$ ls -lrt
total 197056
drwxr-xr-x. 2 acadgild acadgild drwxr-xr-x. 5 acadgild acadgild
                                                 4096 Nov
                                                                  2015 Videos
                                                              4
                                                 4096 Nov
                                                                  2015 Templates
                                                              4
                                                                  2015 Public
                                                 4096 Nov
                                                              4
                                                                  2015 Music
                                                 4096 Nov
                                                              4
                                                 4096 Nov
                                                             4
                                                                  2015 Documents
                                                 4096 Nov 20
                                                                  2015 Pictures
drwxrwxr-x. 5 acadgild acadgild
                                                 4096 Nov 20
                                                                  2015 metastore db
drwxrwxr-x. 8 acadgild acadgild
                                                 4096 Nov 20
                                                                  2015 eclipse
drwxrwxr-x. 10 acadgild acadgild
                                                 4096 Nov 20
                                                                  2015 workspace
drwxr-xr-x. 2 acadgild acadgild
                                                 4096 Nov 25
                                                                 2015 Downloads
drwxrwxr-x. 3 acadgild acadgild
                                                 4096 May 23 22:39 hdfs:
drwxrwxr-x. 2 acadgild acadgild
                                                 4096 May 30 23:12 hadoop1
drwxr-xr-x. 3 acadgild acadgild
                                                 4096 Jun 3 19:02 Desktop
drwxrwxr-x. 6 acadgild acadgild
                                                 4096 Jun 12 08:05 hadoop
drwxr-xr-x. 12 acadgild acadgild
                                                 4096 Jul
                                                             1 04:47 spark-2.2.0-bin-hadoop2.6
drwxrwxr-x. 6 acadgild acadgild
                                                 4096 Jul 8 15:00 pig
drwxrwxr-x. 3 acadgild acadgild 4096 Jul 12 15:15 hive drwxrwxr-x. 8 acadgild acadgild 4096 Jul 16 01:48 project -rw-rw-r--. 1 acadgild acadgild 201706782 Jul 29 13:00 spark-2.2.0-bin-hadoop2.6.tar
[acadgild@localhost ~]$
```

Step 4: Verify the content of directory spark-2.2.0-bin-hadoop2.6 and try launching spark with python.

```
| Seadeside| | Sea
```

Step 5: close the pyspark (cntrl+d) and rename the directory spark-2.2.0-bin-hadoop2.6 to spark for the simplicity.

[acadgild@localhost ~]\$ mv spark-2.2.0-bin-hadoop2.6 spark

Step 6: update .bash_profile file with the path of spark bin directory so that pyspark can be launched from any directory. Make sure that you **source .bash_profile** file.

Step 7: Verify the \$PATH.

```
$\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex
```

Step 8: launch spark using pyspark from anywhere.

```
[acadgild@localhost -]$ pyspark
Python 2.6.6 (r266:84292, Jul 23 2015, 15:22:56)
[GCC 4.4.7, 20120313 (Rod Hat 4.4.7-11)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
Using Spark's default logd; profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "MARN".
To adjust logging level use sc. sett.oglevel(newLevel). For SparkR, use setLoglevel(newLevel).
17/67/29 13:28:16 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
17/67/29 13:28:16 WARN Utils: Your hostname, localhost.localdomain resolves to a loopback address: 127.0.0.1; using 192.168.56.101 instead (on interface eths)
17/67/29 13:28:16 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
//home/acadgild/spark/python/pyspark/context.py:195: UserWarning: Support for Python 2.6 is deprecated as of Spark 2.0.0
warnings.warn("Support for Python 2.6 is deprecated as of Spark 2.0.0")
17/67/29 13:28:24 EMBROR ObjectStore: Version information found in metastore differs 0.14.0 from expected schema version 1.2.0. Schema verification is
disabled hive.metastore.schema.verification so setting version.
17/67/29 13:28:24 WARN ObjectStore: Failed to get database global_temp, returning NoSuchObjectException
Welcome to

Using Python version 2.6.6 (r266:84292, Jul 23 2015 15:22:56)
SparkSession available as 'spark'.
```

Step 9: launch another acadgild sandbox session and run jps command to see spark daemon running.

```
Last login: Sat Jul 29 12:59:39 2017 from 192.168.56.1
[acadgild@localhost ~]$ jps
5107 Jps
2550 SparkSubmit
[acadgild@localhost ~]$
```

Spark Installed successfully.