

How to Install Spark on Ubuntu

Elaborated by Yudith Cardinale

Step 1: Install Java

The default Ubuntu repositories contain both Java 8 and Java 11. Use the following command to install it.

```
sudo apt update && sudo apt install openjdk-8-jdk (or openjdk-11-jdk)
```

Once you have successfully installed it, check the current Java version:

```
java -version
```

```
yudithcardinale$ java -version
```

```
openjdk version "1.8.0_292"  
OpenJDK Runtime Environment (AdoptOpenJDK) (build 1.8.0_292-b10)  
OpenJDK 64-Bit Server VM (AdoptOpenJDK) (build 25.292-b10, mixed mode)
```

You can find the location of the JAVA_HOME directory by running the following command. That will be required for the configuration.

```
yudithcardinale$ dirname $(dirname $(readlink -f $(which java)))  
  
/usr/lib/jvm/java-8-openjdk-amd64
```

Step 2: Install Python and Scala

Python and Scala installation are needed if you wanted to run PySpark examples (Spark with Python) or Spark with Scala on the Ubuntu server.

```
yudithcardinale$ sudo apt install python3
```

```
yudithcardinale$ sudo apt install curl mlocate git scala -y
```

Step 3: Install Spark

Use the following command to download Spark 3.3.2:

```
wget https://downloads.apache.org/spark/spark-3.3.0/spark-3.3.0-bin-hadoop3.tgz
```

Once you've downloaded the file, you can unzip it to a folder on your hard drive.

```
tar -xzf spark-3.3.0-bin-hadoop3.tgz
```



```
yudithcardinale@MacBookYudith ~ % pyspark
```