Url: <http://sparkubuntu.blogspot.com/2019/07/installation-of-jdk-8-rr-studiosbt.html>

## **[Installation of java 8](http://sparkubuntu.blogspot.com/2018/08/installation-r-in-ubuntu-1804.html)**

#### **sudo su**

#### **sudo apt install openjdk-8-jdk**

## **Steps to install R & R Studio**

#### **sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys E298A3A825C0D65DFD57CBB651716619E084DAB9**

#### **sudo add-apt-repository 'deb https://cloud.r-project.org/bin/linux/ubuntu bionic-cran35/'**

#### **sudo apt update**

#### **sudo apt install r-base**

#### **Test Install**

#### **Start R’s interactive shell as root.**

#### **sudo -i R**

### **Install Rstudio**

#### **a. download latest Rstudio version**

#### **<https://download1.rstudio.org/desktop/bionic/amd64/rstudio-1.2.1335-amd64.deb>**

#### **cd Downloads**

#### **sudo dpkg -i****[rstudio-1.2.1335-amd64.deb](https://download1.rstudio.org/desktop/bionic/amd64/rstudio-1.2.1335-amd64.deb)**

## 

## **COMMANDS TO INSTALL SBT**

#### **echo "deb https://dl.bintray.com/sbt/debian /" | sudo tee -a /etc/apt/sources.list.d/sbt.list**

#### **sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv 2EE0EA64E40A89B84B2DF73499E82A75642AC823**

#### **sudo apt-get update**

#### **sudo apt-get install sbt**

#### **if anything gives error while sbt installation then try belove command**

#### **sudo apt --fix-broken install**

#### **# the following command will take several minutes. it will finally start a sbt shell.**

#### **sbt**

#### **# exit the shell by typing exit at the prompt, i.e.**

#### **exit**

#### **Installation of scala**

#### **sudo apt-get install scala**

### **SPARK installation steps in ubuntu 18.04**

#### **Download Spark:**

#### **<http://spark.apache.org/downloads.html>**

#### **cd Downloads**

#### **tar xzvf spark-2.4.3-bin-hadoop2.7.tgz**

#### **mv spark-2.4.3-bin-hadoop2.7 spark**

#### **sudo su**

#### **sudo mv spark /usr/lib/**

#### **Add Path:**

#### **sudo nano ~/.bashrc**

#### **export JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64**

#### **export SPARK\_HOME=/usr/lib/spark/**

#### **export PATH=$PATH:$SPARK\_HOME/bin**

#### **Open a new terminal and verify installation by running the spark shell:**

#### **machineName:~ spark-shell**