

# Installing IntelliJ and setup it up for SCALA/SPARK

## Downloading IntelliJ IDEA:

Download IntelliJ from below link. (only community version)...

<https://www.jetbrains.com/idea/download/#section=linux>

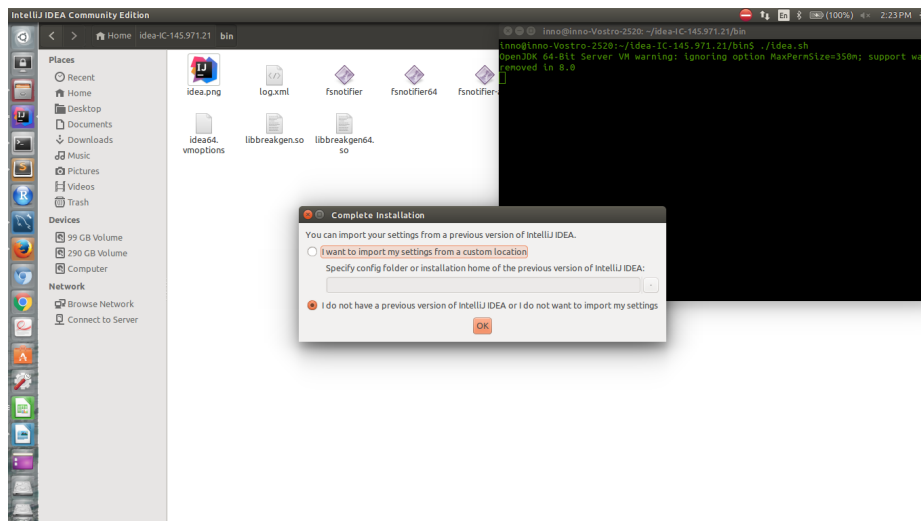
## Installing IntelliJ:

Untar the folder using bash command

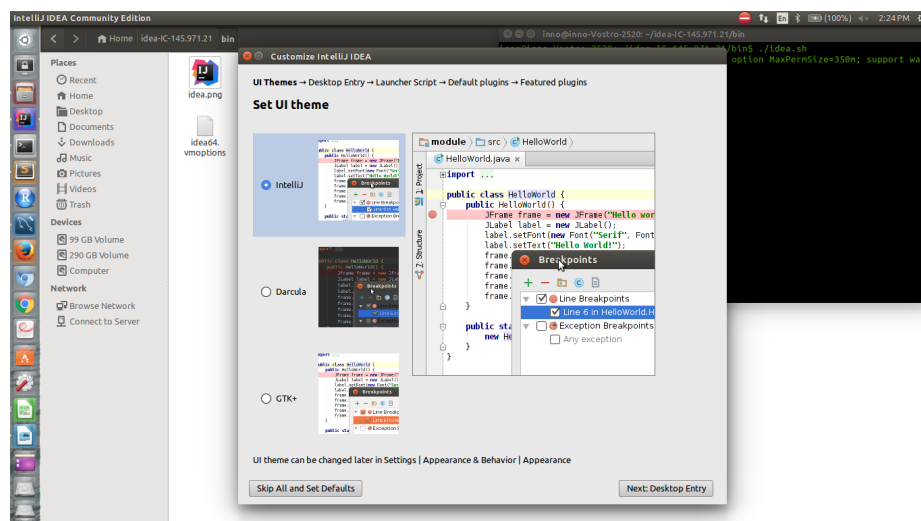
```
tar zxvf ideaIC-2016.1.2.tar.gz
```

CD to bin and run `./idea.sh` to execute the shell script.

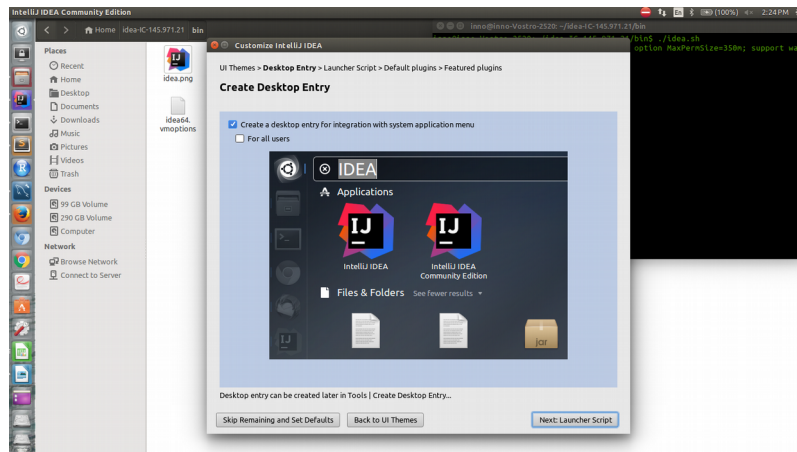
Select “I do not have...” and click ok



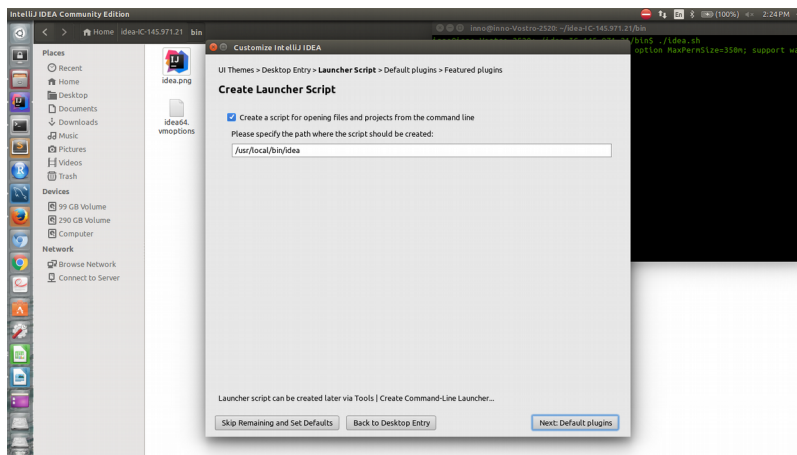
Select UI theme you like.



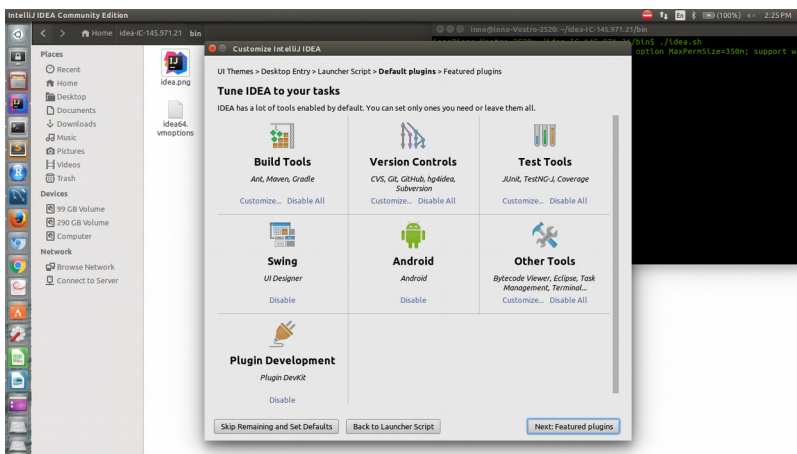
Check on “create a desktop entry...” to get an executable icon on desktop.



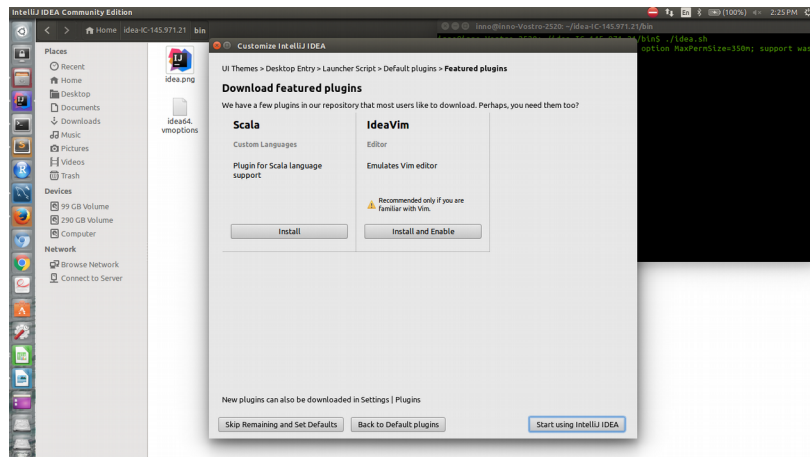
Click on Next button



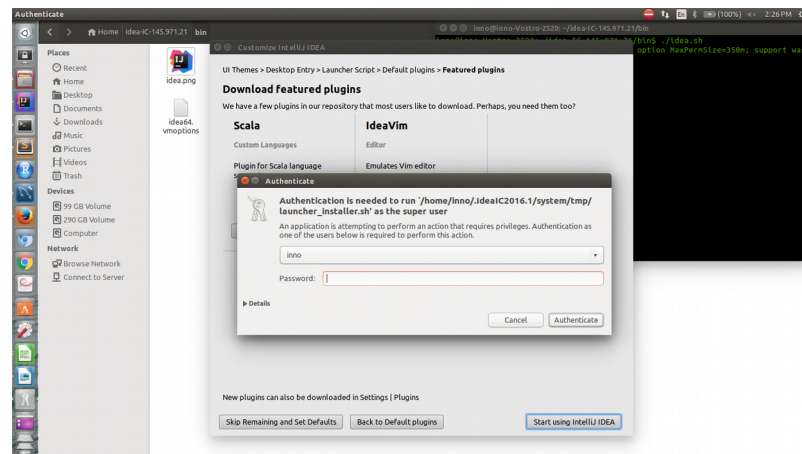
Click on next.



## Install scala and IdeaVim plugins



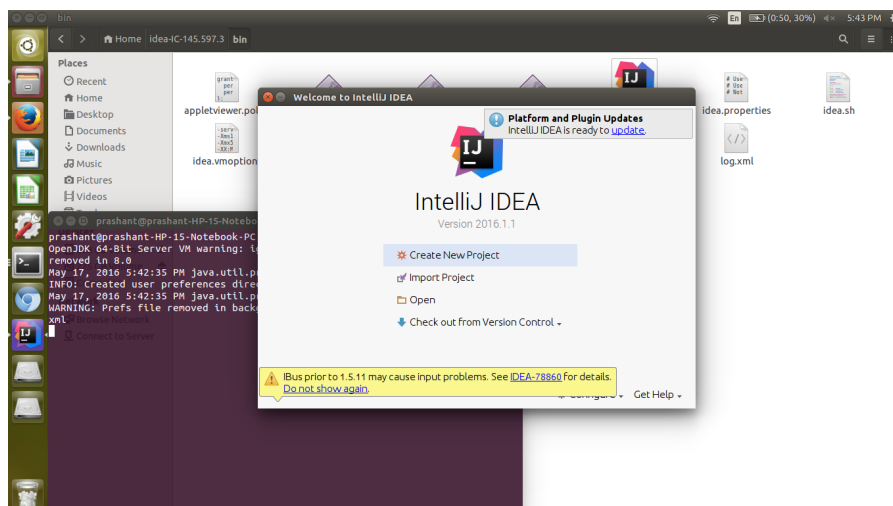
Provide Authentication password.



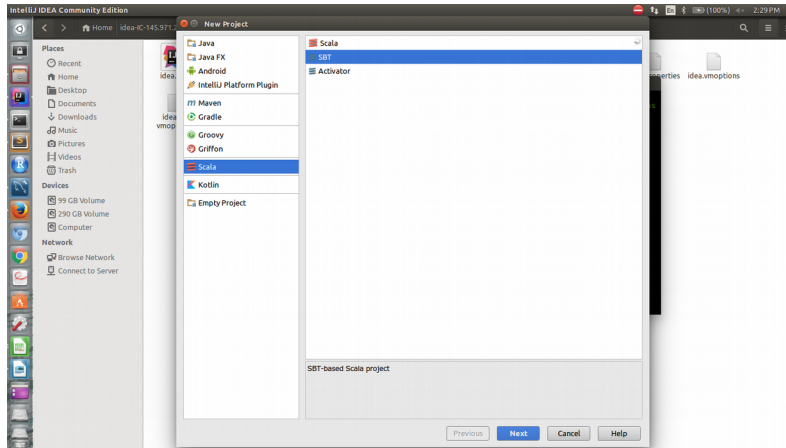
Now you are ready to go with IntelliJ IDEA.

## **Creating a project in scala:**

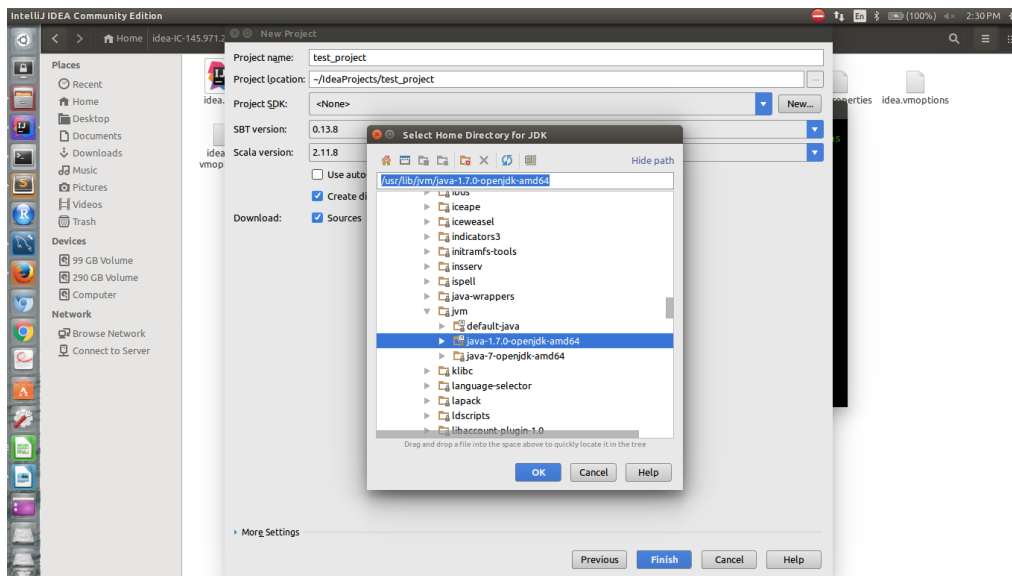
New click on 'Create new project'.



Select Scala from left pane and SBT from right pane.



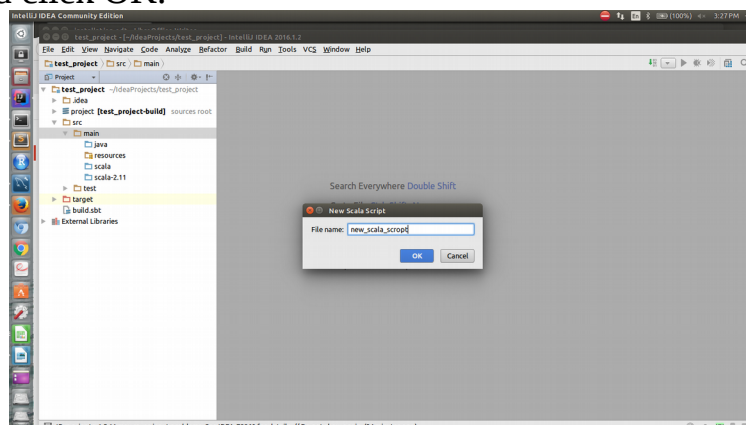
Provide project name, select Project sdk as shown on image, check on 'use auto-import' and click finish button.



## Creating a scala script:

Follow the path to create scala script.

Go to Test\_project => src => main, right click on main, New => scala script  
Provide script and click OK.

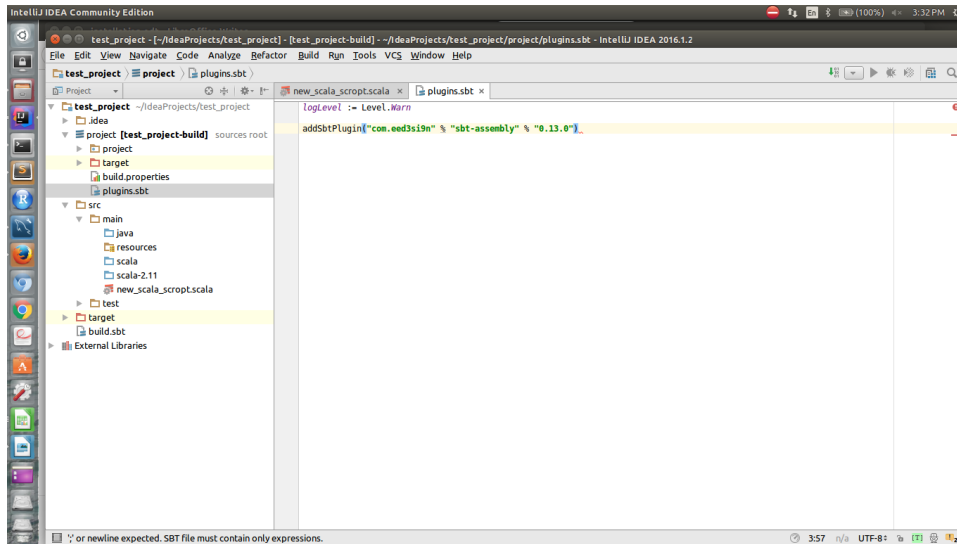


## Setup for Spark on IntelliJ IDEA:

Follow the steps to setup spark on IntelliJ:

1. In project folder, in plugins.sbt, add

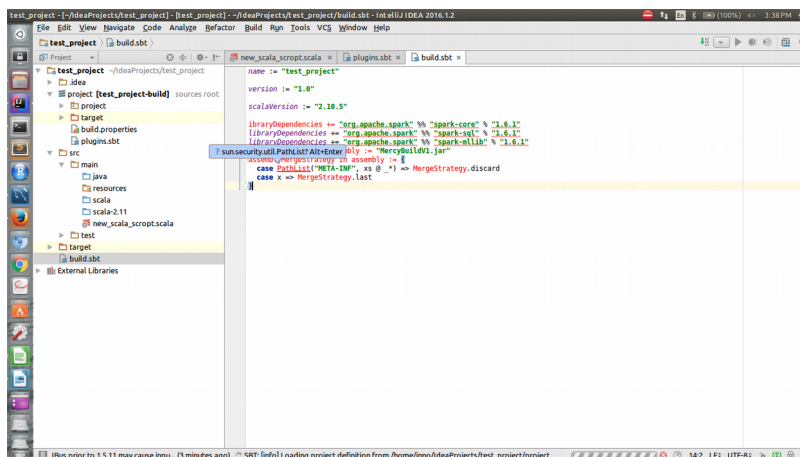
```
addSbtPlugin("com.eed3si9n" % "sbt-assembly" % "0.13.0")
```



2. It is preferable to use scalaVersion 2.10.x, so change accordingly in Build.sbt

3. Add few lines of code in Build.sbt and save it.

```
libraryDependencies += "org.apache.spark" %% "spark-core" % "1.6.1"
libraryDependencies += "org.apache.spark" %% "spark-sql" % "1.6.1"
libraryDependencies += "org.apache.spark" %% "spark-mllib" % "1.6.1"
assemblyJarName in assembly := "MercyBuildV1.jar"
assemblyMergeStrategy in assembly := {
  case PathList("META-INF", xs @ _*) => MergeStrategy.discard
  case x => MergeStrategy.last
}
```



IntelliJ will take around half an hour to download spark plugin.

