1. Content of build.sbt at project root

|  |
| --- |
| lazy val root = (project in file(".")).  settings(  name := "SparkSubmit",  version := "1.0",  scalaVersion := "2.11.8",  mainClass in Compile := Some("com.rsi.ingestion.SparkSubmit")  )  assemblyMergeStrategy in assembly := {  case PathList("META-INF", xs @ \_\*) => MergeStrategy.discard  case x => MergeStrategy.first  }  libraryDependencies += "org.apache.spark" %% "spark-core" % "2.1.0" % "provided"  libraryDependencies += "org.apache.spark" %% "spark-sql" % "2.1.0" % "provided"  libraryDependencies +="com.microsoft.sqlserver" % "mssql-jdbc" % "6.1.0.jre8"  //libraryDependencies +="com.github.benfradet" %% "spark-kafka-writer" % "0.4.0"  libraryDependencies += "org.apache.kafka" % "kafka\_2.11" % "0.8.2.1"  libraryDependencies += "com.google.code.gson" % "gson" % "2.8.2" |

If we don’t want classed under jar we should add provided

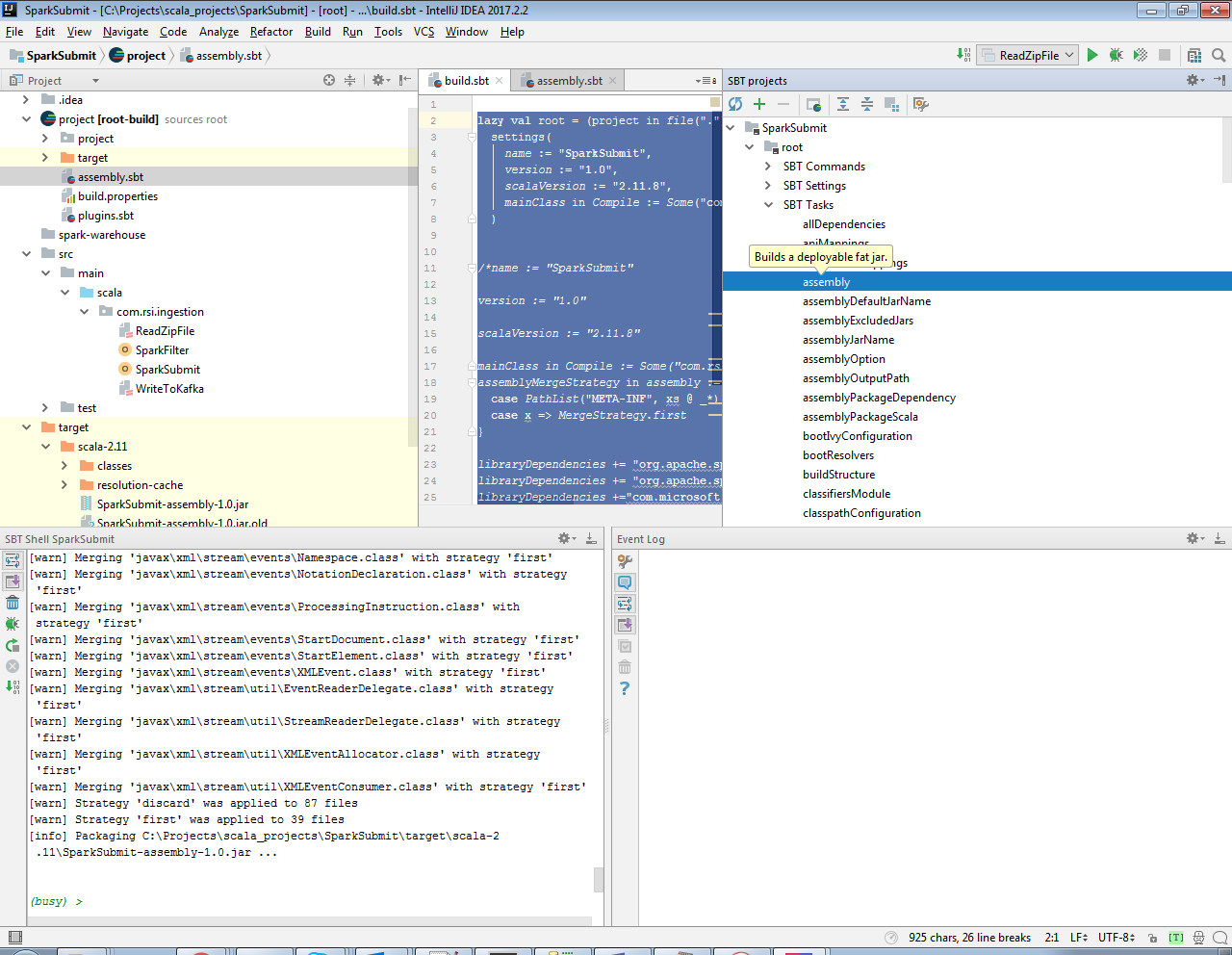
By default we got plugin.sbt inside <name of project>/Project folder, when we build assembly jar from intellij it will not work it throw error **([error] Expected ':' (if selecting a configuration)),** we have to rename it to assembly.sbt,

But same will work if we run **sbt assembly** command from terminal

Content of plugin.sbt or assembly.sbt file

|  |
| --- |
| addSbtPlugin("com.eed3si9n" % "sbt-assembly" % "0.12.0") |

Now either you can run **sbt assembly** command from terminal or you can use run assembly task in intellij



You will get file under <name of project>/target/scala-version directory

To skip the test case at the time of building we can use

test in assembly := {}

to exclude scala jars inside fat jar we can include

assemblyOption in assembly := (assemblyOption in assembly).value.copy(includeScala = false)

|  |
| --- |
| name := "SparkFileLoader"  version := "0.1"  scalaVersion := "2.11.8"  libraryDependencies +="org.apache.spark" % "spark-core\_2.11" % "2.2.0"%"provided"  libraryDependencies += "org.apache.spark" % "spark-sql\_2.11" % "2.2.0"%"provided"  libraryDependencies +="com.microsoft.sqlserver" % "mssql-jdbc" % "6.1.0.jre8"  libraryDependencies +="com.typesafe" % "config" % "1.3.1"  libraryDependencies += "org.apache.kafka" % "kafka-clients" % "0.8.2.2"  libraryDependencies += "com.google.code.gson" % "gson" % "2.8.2"  test in assembly := {}  assemblyOption in assembly := (assemblyOption in assembly).value.copy(includeScala = false)  assemblyMergeStrategy in assembly := {  case PathList("META-INF", xs @ \_\*) => MergeStrategy.discard  case x => MergeStrategy.first  } |