**Install sbt**

sudo echo "deb https://repo.scala-sbt.org/scalasbt/debian all main" | sudo tee /etc/apt/sources.list.d/sbt.list

sudo echo "deb https://repo.scala-sbt.org/scalasbt/debian /" | sudo tee /etc/apt/sources.list.d/sbt\_old.list

sudo curl -sL "https://keyserver.ubuntu.com/pks/lookup?op=get&search=0x2EE0EA64E40A89B84B2DF73499E82A75642AC823" | sudo apt-key add

sudo apt-get update

sudo apt-get install sbt

**Scala Useful Commands**

scalac hello.scala -d hello.jar

scala hello.jar

**How to compile, run, and package a Scala project with SBT**

You want to use SBT to compile and run a Scala project, and package the project as a JAR file.

**Solution**

Create a directory layout to match what SBT expects, then run

sbt compile to compile your project,

sbt run to run your project, and

sbt package to package your project as a JAR file.

**SBT Directory Structure:**

build.sbt

lib/

project/

src/

-- main/

|-- java/

|-- resources/

|-- scala/

|-- test/

|-- java/

|-- resources/

|-- scala/

|-- target/

**Creating a Project Directory Structure for SBT**

**Problem**

SBT doesn’t include a command to create a new project, and you’d like to quickly and easily create the directory structure for a new project.

**Solution**

Use either a shell script to create your project’s directory structure.

**USE A SHELL SCRIPT**

For example, the following Unix shell script creates the initial set of files and directories you’ll want for most projects:

#!/bin/sh

mkdir -p src/{main,test}/{java,resources,scala}

mkdir lib project target

# create an initial build.sbt file

echo 'name := "MyProject"

version := "1.0"

scalaVersion := "2.13.1"' > build.sbt

Assuming this script is named mkdirs4sbt, and it’s on your path, the process looks like this:

/Users/Al/Projects> mkdir MyNewProject

/Users/Al/Projects> cd MyNewProject

/Users/Al/Projects/MyNewProject> mkdirs4sbt

Sample Code:

package ho1

object One extends App {

val str = "Scala is a multi-paradigm language. Scala is scalable too."

val word = "Scala"

printOccurrence(str, word)

def printOccurrence(str: String, word: String) = println ("Word " + word + " occurred "

+ str.split(" ").filter(\_ == word).size + " times.")

}

**Refer:**

<https://hello-scala.com/802-scala-build-tool-sbt.html>