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Maven Build Life Cycle

mvn clean	:	to clean local repo.
mvn compile	:	to compile the code
mvn test	:	to apply test cases
mvn package	:	to prepare a Package
mvn install	:	to Install a file Local Repo. [.m2]
mvn deploy	:	to deploy a file remote server / Global repos (nexus)

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Example POM

```
<project xmlns=http://maven.apache.org/POM/4.0.0
    xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
    http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.companyname.project-group</groupId>
    <artifactId>project</artifactId>
     <version>1.0</version>
</project>
```

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It should be noted that there should be a single POM file for each project.

- All POM files require the **project** element and three mandatory fields: **groupId, artifactId,version.**
- Projects notation in repository is **groupId:artifactId:version.**
- Root element of POM.xml is **project** and it has three major sub-nodes :

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Maven install

- #apt-get update
- #apt-get install openjdk-7-jdk -y
- #apt-get install tomcat7 –y
- #apt-get install maven -y (or)
- #apt-get install maven2 -y
- #mvn -version

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Distribution Installation

Distribution Installation

#vi ~/.profile (or) #vi ~/.bashrc

```
export JAVA_HOME="/opt/jdk1.8.0_151"
export PATH=$JAVA_HOME/bin:$PATH

export CATALINA_HOME="/opt/apache-tomcat-9.0.2"
export PATH=$CATALINA_HOME/bin:$PATH

export M2_HOME="/opt/apache-maven-3.5.2"
export PATH=$M2_HOME/bin:$PATH

export ANT_HOME="/opt/apache-ant-1.10.1"
export PATH=$ANT_HOME/bin:$PATH
```

source .profile

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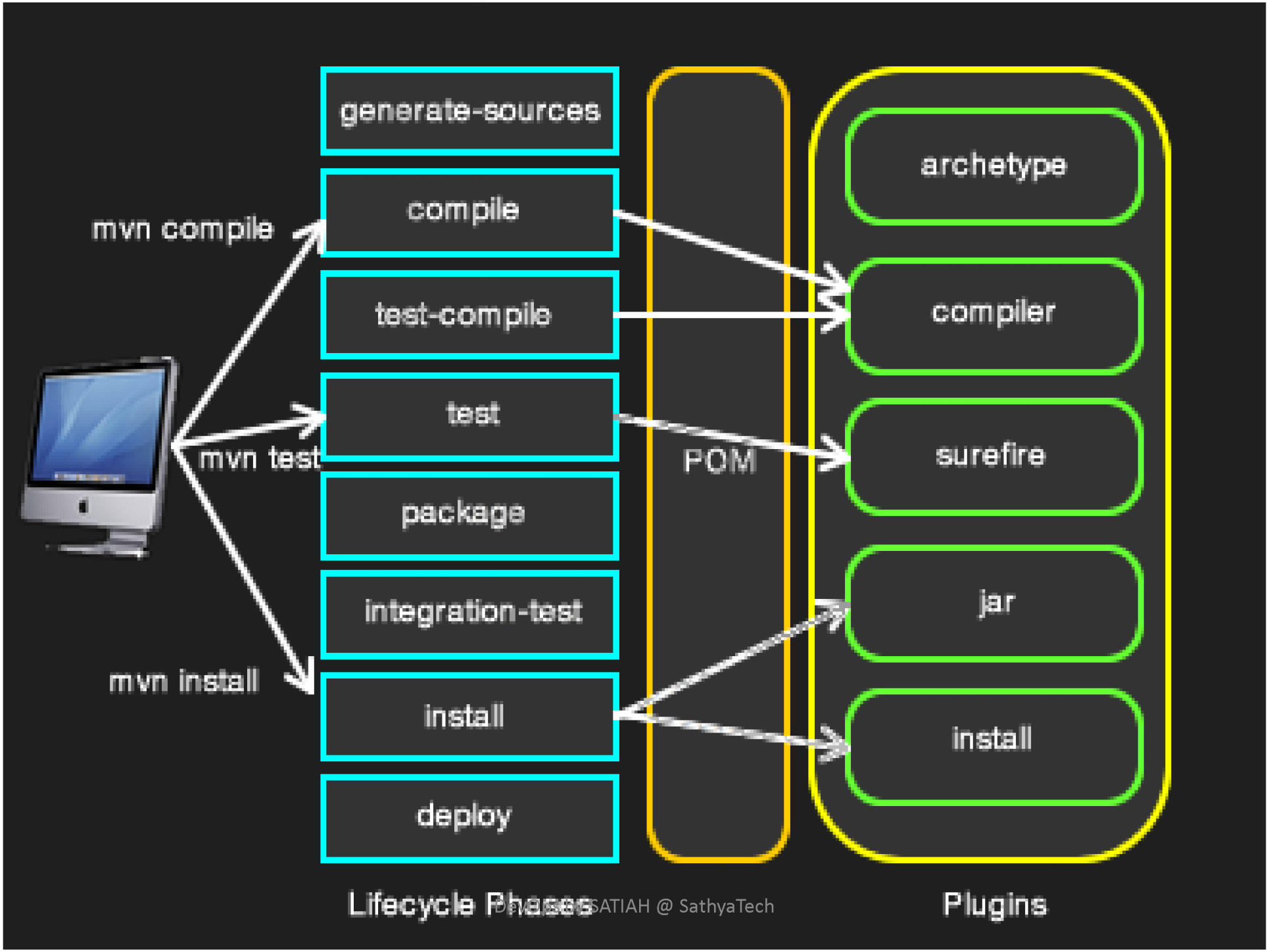

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