**Rondus Technologies**

**Name:**

LAB - Maven

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Install Java | maven | git

Script for Installation:

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sudo hostname maven

sudo su

cd /opt

yum install wget nano tree unzip git-all -y

sudo yum install java-1.8.0-openjdk-devel

java -version

git --version

#2.

#Step1) Download the Maven Software

wget https://dlcdn.apache.org/maven/maven-3/3.8.7/binaries/apache-maven-3.8.7-bin.zip

unzip apache-maven-3.8.7-bin.zip

rm -rf apache-maven-3.8.7-bin.zip

mv apache-maven-3.8.7/ maven

#yum install maven -y

Step3) Set Environmental Variable - For Specific User

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vi ~/.bash\_profile

echo "export M2\_HOME=/opt/maven" >> ~/.bash\_profile

echo "export PATH=$PATH:$M2\_HOME/bin" >> ~/.bash\_profile

step4) Activate the maven home and mvn by running

source ~/.bash\_profile

mvn -version

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Next:

Clone the maven-standalone-application

cd maven-standalone-application

Run maven commands

mvn clean

mvn validate

mvn compile

mvn test

mvn package

mvn install

Lab: Questions on Maven

1. What is Maven and what is it used for?
2. What is the Maven’s buildscript?
3. What do you understand as opensource software?
4. What is build?
5. What packages does maven create?
6. What is maven’s home directory?
7. What is maven’s lifecycles?
8. What does mvn clean do?
9. What does mvn validate do?
10. What does mvn compile do?
11. What does mvn package do?
12. What does mvn install do?
13. What does mvn deploy do?
14. Explain what problem you faced in your maven project.
15. Assuming that 699 test cases passed and 1 fails, what can be done for maven to still do a build?
16. Some projects are taking too long to build, how can we resolve the issue?
17. What is the difference between mvn package and mvn install?
18. How can a specific module be built in a maven-enterprise-applications?
19. How can we troublshoot a failed build?

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Shift + zz … save and quit

:q! … save and quit

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