Install git

Tuesday, October 27, 2020

4:24 PM

sudo apt update

sudo apt install git

$ git config --global user.name "Lubos Rendek"

$ git config --global user.email "web@linuxconfig.org"

$ git config --list

Install JDK

Tuesday, October 27, 2020

4:36 PM

sudo apt install default-jre

java -version

sudo apt install default-jdk

javac -version

Install Maven

Wednesday, October 28, 2020

9:36 AM

sudo apt update

sudo apt install maven

mvn --version

Maven home: /usr/share/maven

Install Tomcat 9

Tuesday, October 27, 2020

4:45 PM

sudo apt update

sudo apt-cache search tomcat

sudo apt install tomcat9 tomcat9-admin

ss -ltn

sudo ufw allow from any to any port 8080 proto tcp

**Enable port 8080 traffic in NSG**

sudo nano /etc/tomcat9/tomcat-users.xml

<role rolename="admin-gui"/>

<role rolename="manager-gui"/>

<user username="tomcat" password="pass" roles="admin-gui,manager-gui"/>

sudo systemctl restart tomcat9

Default path for WebApps = /var/lib/tomcat9

Install Jenkins

Tuesday, October 27, 2020

5:00 PM

wget -q -O - <https://pkg.jenkins.io/debian-stable/jenkins.io.key> | sudo apt-key add -

sudo sh -c 'echo deb [http://pkg.jenkins.io/debian-stable binary/](http://pkg.jenkins.io/debian-stable%20binary/) > /etc/apt/sources.list.d/jenkins.list'

sudo apt update

sudo apt install jenkins

sudo nano /etc/default/jenkins

change to HTTP\_PORT=8081

**Enable port 8081 traffic in NSG**

sudo systemctl stop jenkins

sudo systemctl start jenkins

<http://VM_FQDN:8081>

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

<http://vodatrainingvm.westus.cloudapp.azure.com:8081/>

Manage Jenkins >> Manage Plugins >> Available >> Search for Blue Ocean >> Blue Ocean

Manage Jenkins >> Manage Plugins >> Available >> Search for Publish over SSH

Manage Jenkins >> Configure System >>Publish over SSH

curl -X POST --user subodh:<<JenkinsAPIKey>> <http://appserver:8081/job/javademo/job/master/build>

Install Ansible

Tuesday, October 27, 2020

5:36 PM

sudo apt update

ansible --version

ssh-keygen

On the Node VM -

sudo apt update

sudo apt install openssh-server -y

sudo systemctl status sshd

sudo ufw allow ssh

sudo adduser ansible

echo "ansible ALL=(ALL) NOPASSWD:ALL" | sudo tee /etc/sudoers.d/ansible

hostname -I

On Ansible Controller

ssh-copy-id ansible@192.168.20.162 (Replace IP Address)

On Node VM

sudo usermod -L ansible

On Ansible Controller

ssh ansible@192.168.20.162 (Replace IP Address)

exit

mkdir ~/ansible-demo

cd ~/ansible-host

nano hosts

[webservers]

Node1 ansible-host=192.168.20.162 (Replace IP Address)

ansible webservers -i ./hosts -u ansible -m ping

Install Azure Pipelines Agent

Wednesday, October 28, 2020

8:59 AM

Download agent

mkdir adoagent && cd adoagent

tar zxvf ~/Downloads/vsts-agent-linux-x64-2.175.2.tar.gz

./config.sh

sudo ./svc.sh install

sudo ./svc.sh start

sudo ./svc.sh status

Install NodeJS and NPM

Wednesday, October 28, 2020

9:40 AM

sudo apt update

sudo apt install nodejs npm

nodejs --version

Install Angular

Wednesday, October 28, 2020

12:35 PM

sudo apt install @angular/cli@latest

sudo npm link @angular/cli

ng version

Developers Machine

Wednesday, October 28, 2020

11:16 AM

Download and Install VS Code

Download and install NodeJS

Download and Install JDK - Set JAVA\_HOME

Download and install Maven

Download and Install Eclipse