Installation procedure for DevOps tools in centOS

Installation of jenkins:

Prerequisites

1.Before Installing make sure that java is installed

java -version

2.If java is not there after checking, Install using

sudo apt-get install default-jre

STEP 1:

sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo

STEP 2:

sudo rpm --import https://jenkins-ci.org/redhat/jenkins-ci.org.key

STEP 3:

sudo yum install jenkins

STEP 4:

sudo systemctl start jenkins.service
sudo systemctl status jenkins.service

Go to your web browser like(google chrome or mozilla)
http://ip-of-your-machine:8080.(here we can see the jenkins dashboard)
Or localhost:8080

Installation of git

Sudo yum install git-all

You can check the installation by command git --version

Installation of maven:

wget
http://www-eu.apache.org/dist/maven/maven-3/3.3.9/binaries/apache-maven-3.3.9-bin.tar.gz

Now extract downloaded archive using following command.

$ sudo tar xzf apache-maven-3.3.9-bin.tar.gz
$ sudo ln -s apache-maven-3.3.9 maven

Sudo yum update

Apache Maven has been successfully configured on your system. Use following
command to check version of Maven.

Mvn --version

Installation of puppet :

Go to this link to download puppet

https://www.edureka.co/blog/install-puppet/

Installation of ansible:

Go to this link to download ansible

https://www.edureka.co/blog/install-ansible/

Installation of Docker

1.Log into your machine as a user with sudo or root privileges.

2.Make sure your existing packages are up-to-date.
$ sudo yum update

3.Add the yum repo.
$ sudo tee /etc/yum.repos.d/docker.repo <<-'EOF'
[dockerrepo]
name=Docker Repository

```
baseurl=https://yum.dockerproject.org/repo/main/centos/7/
enabled=1
gpgcheck=1
gpgkey=https://yum.dockerproject.org/gpg
```

4.Install the Docker package.
```
$ sudo yum install docker-engine
```

5.Enable the service.
```
$ sudo systemctl enable docker.service
```

6.Start the Docker daemon.
```
$ sudo systemctl start docker
```