#!/bin/bash

# Setup Hostname

hostnamectl set-hostname "docker.io"

# Configure Hostname unto hosts file

echo "`hostname -I | awk '{ print $1}'` `hostname`" >> /etc/hosts

# Update Ubuntu Operating System Repository

sudo apt-get update

# Download, Install & Configure Utility Softwares

sudo apt-get install git curl unzip tree wget -y

# Install Docker on Ubuntu Server

sudo apt-get install docker.io -y

# Enable Docker For Ubuntu User

sudo usermod -aG docker ubuntu

# Enable Docker Services at boot level

sudo systemctl enable docker

# Restart Docker Daemon

sudo systemctl restart docker

# To Verify Docker Daemon

# ps -aux | grep docker

# systemctl status docker

# List Docker Images

# docker images

# Verify the containers status using the following command:

# docker ps

# Verify the containers status using the following command:

# docker ps -a

# Verify the status of a container.

# docker ps -a -f name=<container\_name>

# To stop a container, use the following command:

# docker container stop <container\_name or id>

# To start a container, use the following command:

# docker container start <container\_name or id>

# To restart a container, use the following command:

# docker container restart <container\_name or id>

# In case of error, use the following command to verify the container logs.

# docker logs <container\_name>

# Remove the Container

# docker rm <container\_name or id>

#!/bin/bash

# Setup Hostname

sudo hostnamectl set-hostname "jenkins.softobiz.com"

# Update the hostname part of Host File

echo "`hostname -I | awk '{ print $1 }'` `hostname`" >> /etc/hosts

# Update Ubuntu Repository

apt update

# Download, & Install Utility Softwares

apt install git wget unzip curl tree -y

# Download, Install Java 11

sudo apt-get install openjdk-11-jdk -y

# Backup the Environment File

sudo cp -pvr /etc/environment "/etc/environment\_$(date +%F\_%R)"

# Create Environment Variables

echo "JAVA\_HOME=/usr/lib/jvm/java-11-openjdk-amd64/" >> /etc/environment

# Compile the Configuration

source /etc/environment

# Go to /opt directory to download Apache Tomcat

cd /opt/

# Add Jenkins Repository

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

# Adding the Jenkins Remote Repository URL in Ubuntu Local Repository Configuration file

sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/' > /etc/apt/sources.list.d/jenkins.list

# Update the Repository on Ubuntu 18.04

sudo apt-get update

# Download, Install Jenkins

sudo apt-get install jenkins -y

# To Restart SSM Agent on Ubuntu

sudo systemctl restart snap.amazon-ssm-agent.amazon-ssm-agent.service

# Attach Instance profile To EC2 Instance

# aws ec2 associate-iam-instance-profile --iam-instance-profile Name=SA-EC2-SSM --instance-id ""

# Verify the jenkins service

# sudo systemctl status jenkins.service

# Enable Jenkins Daemon/Service at Boot

# sudo systemctl enable jenkins.service

# Restart the Jenkins Daemon/Service

# sudo systemctl restart jenkins.service

# Usig Process Status Command

# ps -aux | grep jenkins