Install docker on centos 7:

1. sudo yum install -y yum-utils device-mapper-persistent-data lvm2
2. sudo yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
3. sudo yum-config-manager --enable docker-ce-edge
4. sudo yum-config-manager --enable docker-ce-test
5. sudo yum install docker-ce
6. sudo systemctl start docker
7. sudo docker run hello-world 🡪 to verify docker installed

Install docker compose:

1. sudo curl -L https://github.com/docker/compose/releases/download/1.17.0/docker-compose-`uname -s`-`uname -m` -o /usr/local/bin/docker-compose
2. sudo chmod +x /usr/local/bin/docker-compose
3. docker-compose –version

Install docker-machine:

1. curl -L https://github.com/docker/machine/releases/download/v0.13.0/docker-machine-`uname -s`-`uname -m` >/tmp/docker-machine && chmod +x /tmp/docker-machine && sudo cp /tmp/docker-machine /usr/local/bin/docker-machine
2. docker-machine version
3. scripts=( docker-machine-prompt.bash docker-machine-wrapper.bash docker-machine.bash ); for i in "${scripts[@]}"; do sudo wget https://raw.githubusercontent.com/docker/machine/v0.13.0/contrib/completion/bash/${i} -P /etc/bash\_completion.d; done
4. vi ~/.bashrc 🡪 and add following line in that file
   1. source /etc/bash\_completion.d/docker-machine-prompt.bash
   2. export PS1='[\u@\h \W$(\_\_docker\_machine\_ps1 " [%s]")]\$ '

Install virtual box

1. cd /etc/yum.repos.d
2. wget <http://download.virtualbox.org/virtualbox/rpm/rhel/virtualbox.repo>
3. sudo yum groupinstall "Development Tools"
4. sudo yum install kernel-devel
5. Copy and paste the following on console:

cat **<<** **EOF** | sudo tee /etc/yum.repos.d/ol7\_addons.repo

[ol7\_addons]

name=Oracle Linux $releasever Add ons (\$basearch)

baseurl = http : //public-yum.oracle.com/repo/OracleLinux/OL7/addons/ \ $ basearch /

gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-oracle

gpgcheck=1

enabled=1

EOF

1. sudo rpm --import http://public-yum.oracle.com/RPM-GPG-KEY-oracle-ol7
2. sudo yum makecache
3. yum update kernel kernel-headers kernel-devel
4. sudo yum install VirtualBox-5.1

Getting started with docker compose:

1. docker-machine create --driver virtualbox --virtualbox-memory 1000 confluent