# Section 2. „Install Docker on CentOS"

Links:

https://docs.docker.com/install/linux/docker-ce/centos/

https://get.docker.com/

https://docs.docker.com/compose/install/

https://github.com/docker/machine

https://github.com/docker/machine/releases

https://virtualbox.org

https://kubernetes.io/docs/tasks/tools/install-kubectl/

https://kubernetes.io/docs/tasks/tools/install-minikube/

Commands:

```
$ curl -fsSL https://get.docker.com -o get-docker.sh

$ ls -l get-docker.sh

$ sudo sh get-docker.sh

$ sudo docker version

$ sudo systemctl start docker

$ sudo systemctl enable docker

$ sudo docker run --rm -it python:3
>>> print("I run in a Docker Container :)")
>>> exit()

$ sudo usermod -aG docker kris

$ sudo curl -L
"https://github.com/docker/compose/releases/download/1.24.1/dock
```

```
er-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-
compose

$ sudo chmod +x /usr/local/bin/docker-compose

$ docker-compose --version

$ docker-machine --version

$ sudo curl
https://download.virtualbox.org/virtualbox/rpm/el/virtualbox.rep
o -o /etc/yum.repos.d/virtualbox.repo

$ sudo yum install kernel-devel kernel-headers make patch gcc

$ sudo yum install VirtualBox-6.0

$ sudo su

# cat <<EOF > /etc/yum.repos.d/kubernetes.repo
```

[kubernetes]

name=Kubernetes

baseurl=https://packages.cloud.google.com/yum/repos/kubernetes-el7-
x86_64

enabled=1

gpgcheck=1

repo_gpgcheck=1

gpgkey=https://packages.cloud.google.com/yum/doc/yum-key.gpg
https://packages.cloud.google.com/yum/doc/rpm-package-key.gpg

EOF

```
# yum install -y kubectl

# curl -Lo minikube
https://storage.googleapis.com/minikube/releases/latest/minikube
-linux-amd64 && chmod +x minikube

# install minikube /usr/local/bin
```

Commands to remove Docker Tools:

```
$ sudo rm /usr/local/bin/minikube

$ sudo yum remove -y kubectl

$ sudo rm /usr/local/bin/docker-machine

$ sudo rm /usr/local/bin/docker-compose

$ sudo yum remove -y VirtualBox-6.0

$ sudo rm /etc/yum.repos.d/virtualbox.repo

$ sudo yum remove -y docker-ce docker-ce-cli containerd

$ sudo rm -rf /var/lib/docker
```