LAB - Docker Installation

1) Remove any existing version

```
# yum remove docker \
    docker-client \
    docker-client-latest \
    docker-common \
    docker-latest \
    docker-latest-logrotate \
    docker-logrotate \
    docker-engine
```

2) Install required packages

```
# yum install -y yum-utils device-mapper-persistent-data lvm2
```

3) Add docker repository

```
# yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
```

4) Install Docker CE

```
# yum update -y && sudo yum install -y containerd.io-1.2.13 docker-ce-19.03.11 docker-ce-cli-19.03.11
```

5) Create /etc/docker

```
# mkdir /etc/docker
```

6) Set up the Docker daemon

```
cat <<EOF | sudo tee /etc/docker/daemon.json
{
  "exec-opts": ["native.cgroupdriver=systemd"],
  "log-driver": "json-file",
  "log-opts": {
    "max-size": "100m"
  },
  "storage-driver": "overlay2",
  "storage-opts": [
    "overlay2.override_kernel_check=true"
  ]
}
EOF
```

7) Create /etc/systemd/system/docker.service.d

```
# mkdir -p /etc/systemd/system/docker.service.d
```

8) Restart Docker

```
# systemctl daemon-reload
# systemctl restart docker
```

9) Test your docker

```
# docker run hello-world
```