Last login: Tue Jul 7 13:27:12 on ttys007 ______ don-IV \$ docker-machine -v zsh: command not found: docker-machine =========== don-IV \$ base=https://github.com/docker/machine/releases/download/v0.16.0 && curl -L \$base/docker-machine-\$(uname -s)-\$(uname -m) >/usr/local/bin/docker-machine && chmod +x /usr/local/bin/docker-machine % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 639 100 639 0 0 998 0 --:--:- 996 100 32.0M 100 32.0M 0 0 2188k 0 0:00:14 0:00:14 --:-- 4334k ______ don-IV \$ docker-machine version docker-machine version 0.16.0, build 702c267f ______ don-IV \$ docker-machine create -driver virtualbox mgr1 Creating CA: /Users/vinodkumar/.docker/machine/certs/ca.pem Creating client certificate: /Users/vinodkumar/.docker/machine/certs/cert.pem Running pre-create checks... (mgr1) Image cache directory does not exist, creating it at /Users/vinodkumar/.docker/machine/cache... (mgr1) No default Boot2Docker ISO found locally, downloading the latest release... (mgr1) Latest release for github.com/boot2docker/boot2docker is v19.03.12 (mgr1) Downloading /Users/vinodkumar/.docker/machine/cache/boot2docker.iso from https://github.com/boot2docker/boot2docker/releases/download/v19.03.12/boot2docker.iso... (mgr1) 0%....10%....20%....30%....40%....50%....60%....70%....80%....90%....100% Creating machine... (mgr1) Copying /Users/vinodkumar/.docker/machine/cache/boot2docker.iso to /Users/vinodkumar/.docker/machine/machines/mgr1/boot2docker.iso... (mgr1) Creating VirtualBox VM... (mgr1) Creating SSH key... (mgr1) Starting the VM... (mgr1) Check network to re-create if needed... (mgr1) Found a new host-only adapter: "vboxnet0" (mgr1) Waiting for an IP... Waiting for machine to be running, this may take a few minutes... Detecting operating system of created instance...

Waiting for SSH to be available...

Detecting the provisioner...

Provisioning with boot2docker...

Copying certs to the local machine directory...

Copying certs to the remote machine...

Setting Docker configuration on the remote daemon...

Checking connection to Docker...

Docker is up and running!

To see how to connect your Docker Client to the Docker Engine running on this virtual machine, run: docker-machine env mgr1

=============

don-IV \$ docker-machine ls

NAME ACTIVE DRIVER STATE URL SWARM DOCKER ERRORS mgr1 - virtualbox Running tcp://192.168.99.100:2376 v19.03.12

============

don-IV \$ docker-machine create --driver virtualbox wrkr1

Running pre-create checks...

Creating machine...

(wrkr1) Copying /Users/vinodkumar/.docker/machine/cache/boot2docker.iso to

/Users/vinodkumar/.docker/machine/machines/wrkr1/boot2docker.iso...

(wrkr1) Creating VirtualBox VM...

(wrkr1) Creating SSH key...

(wrkr1) Starting the VM...

(wrkr1) Check network to re-create if needed...

(wrkr1) Waiting for an IP...

Waiting for machine to be running, this may take a few minutes...

Detecting operating system of created instance...

Waiting for SSH to be available...

Detecting the provisioner...

Provisioning with boot2docker...

Copying certs to the local machine directory...

Copying certs to the remote machine...

Setting Docker configuration on the remote daemon...

Checking connection to Docker...

Docker is up and running!

To see how to connect your Docker Client to the Docker Engine running on this virtual machine, run: docker-machine env wrkr1

=============

don-IV \$ docker-machine create --driver virtualbox wrkr2

Running pre-create checks...

Creating machine...

(wrkr2) Copying /Users/vinodkumar/.docker/machine/cache/boot2docker.iso to

/Users/vinodkumar/.docker/machine/machines/wrkr2/boot2docker.iso...

(wrkr2) Creating VirtualBox VM...

(wrkr2) Creating SSH key...

(wrkr2) Starting the VM... (wrkr2) Check network to re-create if needed... (wrkr2) Waiting for an IP... Waiting for machine to be running, this may take a few minutes... Detecting operating system of created instance... Waiting for SSH to be available... Detecting the provisioner... Provisioning with boot2docker... Copying certs to the local machine directory... Copying certs to the remote machine... Setting Docker configuration on the remote daemon... Checking connection to Docker... Docker is up and running! To see how to connect your Docker Client to the Docker Engine running on this virtual machine, run: docker-machine env wrkr2 =========== don-IV \$ docker-machine create --driver virtualbox wrkr3 Running pre-create checks... Creating machine... (wrkr3) Copying /Users/vinodkumar/.docker/machine/cache/boot2docker.iso to /Users/vinodkumar/.docker/machine/machines/wrkr3/boot2docker.iso... (wrkr3) Creating VirtualBox VM... (wrkr3) Creating SSH key... (wrkr3) Starting the VM... (wrkr3) Check network to re-create if needed... (wrkr3) Waiting for an IP... Waiting for machine to be running, this may take a few minutes... Detecting operating system of created instance... Waiting for SSH to be available... Detecting the provisioner... Provisioning with boot2docker... Copying certs to the local machine directory... Copying certs to the remote machine... Setting Docker configuration on the remote daemon... Checking connection to Docker... Docker is up and running! To see how to connect your Docker Client to the Docker Engine running on this virtual machine, run: docker-machine env wrkr3 don-IV \$ docker-machine ip mgr1 192.168.99.100 ______

don-IV \$ docker-machine ssh mgr1

```
('>')
 /) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
             www.tinycorelinux.net
(/-_--\)
docker@mgr1:~$ docker swarm init --advertise-addr 192.168.99.100
Swarm initialized: current node (nkrzsres16o5agievz65n7yrr) is now a manager.
To add a worker to this swarm, run the following command:
  docker swarm join --token SWMTKN-1-
33ndanqg6p7r6wd4dpgzq3hbr5y4lvrneinfsgyhzubyoitmib-ecf6l9h8q65385ltvv099x1ur
192.168.99.100:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
docker@mgr1:~$ docker node ls
                HOSTNAME
                                  STATUS
ID
                                                 AVAILABILITY
                                                                   MANAGER
          ENGINE VERSION
STATUS
nkrzsres16o5agievz65n7yrr * mgr1
                                       Ready
                                                    Active
                                                                 Leader
19.03.12
docker@mgr1:~$ docker swarm join-token
"docker swarm join-token" requires exactly 1 argument.
See 'docker swarm join-token --help'.
Usage: docker swarm join-token [OPTIONS] (worker|manager)
Manage join tokens
docker@mgr1:~$ docker swarm join-token worker
To add a worker to this swarm, run the following command:
  docker swarm join --token SWMTKN-1-
33ndanqg6p7r6wd4dpgzq3hbr5y4lvrneinfsgyhzubyoitmib-ecf6l9h8q65385ltvv099x1ur
192.168.99.100:2377
docker@mgr1:~$ exit
logout
______
don-IV $ docker-machine ssh wrkr1
 /) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
(/-_--\)
             www.tinycorelinux.net
docker@wrkr1:~$ docker swarm join --token SWMTKN-1-
33ndanqg6p7r6wd4dpgzq3hbr5y4lvrneinfsgyhzubyoitmib-ecf6l9h8q65385ltvv099x1ur
192.168.99.100:2377
This node joined a swarm as a worker.
docker@wrkr1:~$ exit
logout
```

```
don-IV $ docker-machine ssh wrkr2
/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
(/- -- -\)
             www.tinycorelinux.net
docker@wrkr2:~$ docker swarm join --token SWMTKN-1-
33ndanqg6p7r6wd4dpgzq3hbr5y4lvrneinfsgyhzubyoitmib-ecf6l9h8q65385ltvv099x1ur
192.168.99.100:2377
This node joined a swarm as a worker.
docker@wrkr2:~$ exit
logout
===========
don-IV $ docker-machine ssh wrkr3
/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
(/- -- -\)
             www.tinycorelinux.net
docker@wrkr3:~$ docker swarm join --token SWMTKN-1-
33ndanqg6p7r6wd4dpgzq3hbr5y4lvrneinfsgyhzubyoitmib-ecf6l9h8q65385ltvv099x1ur
192.168.99.100:2377
This node joined a swarm as a worker.
docker@wrkr3:~$
docker@wrkr3:~$ exit
                                           ur 192.168.99.100:2377
logout
______
===========
don-IV $ docker-machine ssh mgr1
/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
(/-_--\)
             www.tinycorelinux.net
docker@mgr1:~$ docker node ls
                HOSTNAME
                                 STATUS
                                               AVAILABILITY
                                                                MANAGER
ID
STATUS
          ENGINE VERSION
nkrzsres16o5aqievz65n7yrr * mgr1
                                     Ready
                                                 Active
                                                              Leader
19.03.12
vqvzlw84cn7jkmpjxmijh5ha9
                          wrkr1
                                      Ready
                                                   Active
19.03.12
zxrecsgm12cu3nhccbvxnvc9p
                          wrkr2
                                      Ready
                                                   Active
19.03.12
i9yvoiwtdcz8uc6rxstnrxung wrkr3
                                                                       19.03.12
                                     Ready
                                                 Active
docker@mgr1:~$ docker info
Client:
```

Debug Mode: false

Server:

Containers: 0 Running: 0 Paused: 0 Stopped: 0 Images: 0

Server Version: 19.03.12 Storage Driver: overlay2 Backing Filesystem: extfs Supports d_type: true Native Overlay Diff: true Logging Driver: json-file Cgroup Driver: cgroupfs

Plugins: Volume: local

Network: bridge host ipvlan macvlan null overlay

Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog

Swarm: active

NodeID: nkrzsres16o5aqievz65n7yrr

Is Manager: true

ClusterID: qpxgoqfujn4nx9im9dxdlyndy

Managers: 1 Nodes: 4

Default Address Pool: 10.0.0.0/8

SubnetSize: 24 Data Path Port: 4789 Orchestration:

T l III . D . .:

Task History Retention Limit: 5

Raft:

Snapshot Interval: 10000

Number of Old Snapshots to Retain: 0

Heartbeat Tick: 1 Election Tick: 10 Dispatcher:

Heartbeat Period: 5 seconds

CA Configuration:

Expiry Duration: 3 months

Force Rotate: 0

Autolock Managers: false Root Rotation In Progress: false Node Address: 192.168.99.100

Manager Addresses: 192.168.99.100:2377

Runtimes: runc

Default Runtime: runc Init Binary: docker-init

containerd version: 7ad184331fa3e55e52b890ea95e65ba581ae3429

runc version: dc9208a3303feef5b3839f4323d9beb36df0a9dd

init version: fec3683 Security Options: seccomp

Profile: default

Kernel Version: 4.19.130-boot2docker

Operating System: Boot2Docker 19.03.12 (TCL 10.1)

OSType: linux Architecture: x86_64

CPUs: 1

Total Memory: 985.4MiB

Name: mgr1

ID: 27Y2:VPKZ:NG46:WN55:X6TC:W32L:MLCX:ZML6:P5ZA:BMNC:IJVJ:XB2J

Docker Root Dir: /mnt/sda1/var/lib/docker

Debug Mode: false

Registry: https://index.docker.io/v1/

Labels:

provider=virtualbox Experimental: false Insecure Registries:

127.0.0.0/8

Live Restore Enabled: false

Product License: Community Engine

docker@mgr1:~\$ docker version

Client: Docker Engine - Community

Version: 19.03.12
API version: 1.40
Go version: go1.13.10
Git commit: 48a66213fe

Built: Mon Jun 22 15:42:53 2020

OS/Arch: linux/amd64

Experimental: false

Server: Docker Engine - Community

Engine:

Version: 19.03.12

API version: 1.40 (minimum version 1.12)

Go version: go1.13.10 Git commit: 48a66213fe

Built: Mon Jun 22 15:49:35 2020

OS/Arch: linux/amd64

Experimental: false

containerd:

Version: v1.2.13

GitCommit: 7ad184331fa3e55e52b890ea95e65ba581ae3429

runc:

Version: 1.0.0-rc10

GitCommit: dc9208a3303feef5b3839f4323d9beb36df0a9dd

docker-init:

Version: 0.18.0
GitCommit: fec3683
docker@mgr1:~\$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS

PORTS NAMES

docker@mgr1:~\$ docker images **REPOSITORY IMAGE ID SIZE** TAG **CREATED** docker@mgr1:~\$ docker swarm Usage: docker swarm COMMAND Manage Swarm Commands: Display and rotate the root CA ca Initialize a swarm init ioin Join a swarm as a node and/or manager join-token Manage join tokens Leave the swarm leave unlock Unlock swarm unlock-key Manage the unlock key Update the swarm update Run 'docker swarm COMMAND --help' for more information on a command. docker@mgr1:~\$ docker service create --replicas 3 -p 80:80 --name nginx nginx 8os7oh3gboo9cr9q7ulov9vbl overall progress: 3 out of 3 tasks verify: Service converged docker@mgr1:~\$ docker service ls **MODE** ID NAME **REPLICAS IMAGE PORTS** 8os7oh3gboo9 nginx replicated 3/3 nginx:latest *:80->80/tcp docker@mgr1:~\$ pwd /home/docker docker@mgr1:~\$ docker service scale nginx=5 nginx scaled to 5 overall progress: 5 out of 5 tasks 2/5: running [==== 4/5: running [====== verify: Service converged docker@mgr1:~\$ docker service ls ID **NAME MODE REPLICAS IMAGE PORTS** 8os7oh3gboo9 replicated 5/5 nginx:latest *:80->80/tcp nginx docker@mgr1:~\$ docker service ps nginx **NAME IMAGE NODE DESIRED STATE** ID **CURRENT STATE ERROR PORTS** 8sb8syemh0n9 nginx.1 nginx:latest mgr1 Running Running 3 minutes ago niuzcc6s2bek nginx.2 nginx:latest wrkr1 Running Running 3

minutes ago

```
Running 3
kzbxr8f865wt
               nginx.3
                            nginx:latest
                                         wrkr2
                                                      Running
minutes ago
                            nginx:latest
                                                      Running
                                                                   Running 40
ysk4m2t5r16e
               nginx.4
                                         wrkr3
seconds ago
fligze3ujcw5
              nginx.5
                           nginx:latest
                                        wrkr3
                                                     Running
                                                                  Running 40
seconds ago
docker@mgr1:~$ docker service scale nginx=2
nginx scaled to 2
overall progress: 2 out of 2 tasks
verify: Service converged
docker@mgr1:~$ docker service ps nginx
                                       NODE
                                                     DESIRED STATE
ID
           NAME
                         IMAGE
                                                                       CURRENT
STATE
           ERROR
                         PORTS
8sb8syemh0n9
                nginx.1
                            nginx:latest
                                          mgr1
                                                      Running
                                                                    Running 4
minutes ago
niuzcc6s2bek
               nginx.2
                           nginx:latest
                                         wrkr1
                                                     Running
                                                                   Running 4
minutes ago
docker@mgr1:~$ docker inspect mgr1
{
    "ID": "nkrzsres16o5agievz65n7yrr",
    "Version": {
      "Index": 9
    },
    "CreatedAt": "2020-07-07T16:30:17.334060745Z",
    "UpdatedAt": "2020-07-07T16:30:17.891532796Z",
    "Spec": {
      "Labels": {},
      "Role": "manager",
      "Availability": "active"
    },
    "Description": {
      "Hostname": "mgr1",
      "Platform": {
        "Architecture": "x86_64",
        "OS": "linux"
      },
      "Resources": {
        "NanoCPUs": 1000000000,
        "MemoryBytes": 1033252864
      },
      "Engine": {
        "EngineVersion": "19.03.12",
        "Labels": {
          "provider": "virtualbox"
        },
        "Plugins": [
            "Type": "Log",
            "Name": "awslogs"
```

```
},
  "Type": "Log",
  "Name": "fluentd"
},
  "Type": "Log",
  "Name": "gcplogs"
},
{
  "Type": "Log",
  "Name": "gelf"
},
  "Type": "Log",
  "Name": "journald"
  "Type": "Log",
  "Name": "json-file"
},
  "Type": "Log",
  "Name": "local"
},
  "Type": "Log",
  "Name": "logentries"
},
  "Type": "Log",
  "Name": "splunk"
},
  "Type": "Log",
  "Name": "syslog"
},
  "Type": "Network",
  "Name": "bridge"
},
  "Type": "Network",
  "Name": "host"
},
  "Type": "Network",
  "Name": "ipvlan"
},
  "Type": "Network",
  "Name": "macvlan"
```

```
"Type": "Network",
            "Name": "null"
          },
            "Type": "Network",
            "Name": "overlav"
          },
            "Type": "Volume",
            "Name": "local"
       ]
     },
      "TLSInfo": {
        "TrustRoot": "-----BEGIN CERTIFICATE-----\
nMIIBaTCCARCgAwIBAgIUCRvXQQzvXz4McZN34G6MiZqnrpgwCgYIKoZIzj0EAwIw\
nEzERMA8GA1UEAxMIc3dhcm0tY2EwHhcNMjAwNzA3MTYyNTAwWhcNNDAwNzAyMTY
nNTAwWjATMREwDwYDVQQDEwhzd2FybS1jYTBZMBMGByqGSM49AgEGCCqGSM49Aw
EH\nA0IABEQt1wbBpyY+UHw08RIehR4PyNAOrkOLo5I7LQPWJeQgwF7DmP56QXd9krqv\
n7rOacAuTX2UiifWm/ZiQbhWpmSCjQjBAMA4GA1UdDwEB/wQEAwIBBjAPBgNVHRMB\
nAf8EBTADAQH/MB0GA1UdDgQWBBQHs4R8F8YRqidUSauSSQC+LdjTFTAKBggqhkjO\
nPQQDAgNHADBEAiB2Qr25tG3jndcBC3ToNJYAiEDa7ZrhbmfawxTS5TzKZAIgZ3dd\
nbCThxS/3MFkHuXFAlbx6cGV23Qn9vyXcLCHx0XQ=\n----END CERTIFICATE----\n",
        "CertIssuerSubject": "MBMxETAPBgNVBAMTCHN3YXJtLWNh",
        "CertIssuerPublicKey":
"MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAERC3XBsGnJj5QfDTxEh6FHg/I0A6uQ4ujkjs
tA9Yl5CDAXsOY/npBd32Suq/us5pwC5NfZSKJ9ab9mJBuFamZIA=="
      }
    },
    "Status": {
      "State": "ready",
      "Addr": "192.168.99.100"
    },
    "ManagerStatus": {
      "Leader": true,
      "Reachability": "reachable",
      "Addr": "192.168.99.100:2377"
    }
  }
docker@mgr1:~$ docker inspect wrkr1
    "ID": "vqvzlw84cn7jkmpjxmijh5ha9",
    "Version": {
      "Index": 15
    },
    "CreatedAt": "2020-07-07T16:32:21.946311132Z",
    "UpdatedAt": "2020-07-07T16:32:22.035929124Z",
```

},

```
"Spec": {
  "Labels": {},
  "Role": "worker",
  "Availability": "active"
},
"Description": {
  "Hostname": "wrkr1",
  "Platform": {
    "Architecture": "x86_64",
    "OS": "linux"
  },
  "Resources": {
    "NanoCPUs": 1000000000,
    "MemoryBytes": 1033252864
  },
  "Engine": {
    "EngineVersion": "19.03.12",
    "Labels": {
       "provider": "virtualbox"
    "Plugins": [
       {
         "Type": "Log",
         "Name": "awslogs"
       },
         "Type": "Log",
         "Name": "fluentd"
       },
         "Type": "Log",
         "Name": "gcplogs"
       },
       {
         "Type": "Log",
         "Name": "gelf"
       },
         "Type": "Log",
         "Name": "journald"
       },
         "Type": "Log",
         "Name": "json-file"
       },
         "Type": "Log",
         "Name": "local"
       },
         "Type": "Log",
         "Name": "logentries"
```

```
},
           "Type": "Log",
           "Name": "splunk"
         },
           "Type": "Log",
           "Name": "syslog"
         },
           "Type": "Network",
           "Name": "bridge"
         },
           "Type": "Network",
           "Name": "host"
         },
           "Type": "Network",
           "Name": "ipvlan"
         },
           "Type": "Network",
           "Name": "macvlan"
         },
           "Type": "Network",
           "Name": "null"
         },
           "Type": "Network",
           "Name": "overlay"
         },
           "Type": "Volume",
           "Name": "local"
       1
     },
     "TLSInfo": {
       "TrustRoot": "-----BEGIN CERTIFICATE-----\
nMIIBaTCCARCgAwIBAgIUCRvXQQzvXz4McZN34G6MiZqnrpgwCgYIKoZIzj0EAwIw\
nEzERMA8GA1UEAxMIc3dhcm0tY2EwHhcNMjAwNzA3MTYyNTAwWhcNNDAwNzAyMTY\\
nNTAwWjATMREwDwYDVQQDEwhzd2FybS1jYTBZMBMGByqGSM49AgEGCCqGSM49Aw
EH\nA0IABEQt1wbBpyY+UHw08RIehR4PyNAOrkOLo5I7LQPWJeQgwF7DmP56QXd9krqv\
nAf8EBTADAQH/MB0GA1UdDgQWBBQHs4R8F8YRqidUSauSSQC+LdjTFTAKBggqhkjO\
nPQQDAgNHADBEAiB2Qr25tG3jndcBC3ToNJYAiEDa7ZrhbmfawxTS5TzKZAIgZ3dd\
nbCThxS/3MFkHuXFAlbx6cGV23Qn9vyXcLCHx0XQ=\n----END CERTIFICATE----\n",
       "CertIssuerSubject": "MBMxETAPBgNVBAMTCHN3YXJtLWNh",
```

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```
"CertIssuerPublicKey":
"MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAERC3XBsGnJj5QfDTxEh6FHg/I0A6uQ4ujkjs
tA9Yl5CDAXsOY/npBd32Suq/us5pwC5NfZSKJ9ab9mJBuFamZIA=="
     }
   },
   "Status": {
     "State": "ready",
     "Addr": "192.168.99.101"
 }
docker@mgr1:~$ exit status 255
===========
don-IV $ docker-machine ps
docker-machine: 'ps' is not a docker-machine command. See 'docker-machine --help'.
================
don-IV $ docker-machine ls
NAME ACTIVE DRIVER
                                                SWARM DOCKER
                         STATE URL
                                                                   ERRORS
          virtualbox Running tcp://192.168.99.100:2376
                                                   v19.03.12
mgr1 -
wrkr1 -
          virtualbox Running tcp://192.168.99.101:2376
                                                    v19.03.12
          virtualbox Running tcp://192.168.99.102:2376
wrkr2 -
                                                    v19.03.12
          virtualbox Running tcp://192.168.99.103:2376
wrkr3 -
                                                    v19.03.12
______
don-IV $ docker-machine ssh 192.168.99.101
Docker machine "192.168.99.101" does not exist. Use "docker-machine ls" to list machines. Use
"docker-machine create" to add a new one.
______
============
don-IV $ docker-machine ssh 192.168.99.100
Docker machine "192.168.99.100" does not exist. Use "docker-machine ls" to list machines. Use
"docker-machine create" to add a new one.
______
_____
don-IV $ docker-machine ls
                                                SWARM DOCKER
NAME ACTIVE DRIVER
                         STATE URL
                                                                   ERRORS
mgr1 -
          virtualbox Running tcp://192.168.99.100:2376
                                                   v19.03.12
```

virtualbox Running tcp://192.168.99.101:2376

virtualbox Running tcp://192.168.99.102:2376

virtualbox Running tcp://192.168.99.103:2376

v19.03.12

v19.03.12

v19.03.12

wrkr1 -

wrkr2 -

wrkr3 -

```
===========
don-IV $ docker-machine ssh wrkr1
/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
(/- -- -\)
              www.tinycorelinux.net
docker@wrkr1:~$ docker swarm leave
Node left the swarm.
docker@wrkr1:~$ exit
logout
exit status 127
===========
don-IV $ docker-machine ls
NAME ACTIVE DRIVER
                              STATE
                                       URL
                                                         SWARM DOCKER
                                                                               ERRORS
           virtualbox Running tcp://192.168.99.100:2376
                                                             v19.03.12
           virtualbox Running tcp://192.168.99.101:2376
wrkr1 -
                                                             v19.03.12
           virtualbox Running tcp://192.168.99.102:2376
wrkr2 -
                                                             v19.03.12
           virtualbox Running tcp://192.168.99.103:2376
wrkr3 -
                                                             v19.03.12
_____
don-IV $ docker-machine ssh mgr1
 ('>')
/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.
              www.tinycorelinux.net
(/-_--\)
docker@mgr1:~$ docker service ls
                           MODE
                                          REPLICAS
                                                           IMAGE
            NAME
                                                                           PORTS
8os7oh3gboo9
                              replicated
                                            2/2
                                                        nginx:latest
                                                                       *:80->80/tcp
                 nginx
docker@mgr1:~$ docker service stop nginx
Usage: docker service COMMAND
Manage services
Commands:
 create
         Create a new service
         Display detailed information on one or more services
inspect
logs
         Fetch the logs of a service or task
ls
       List services
        List the tasks of one or more services
ps
        Remove one or more services
 rm
         Revert changes to a service's configuration
 rollback
```

scale

Scale one or multiple replicated services

update Update a service

Run 'docker service COMMAND --help' for more information on a command.

docker@mgr1:~\$ docker service scale nginx=0

nginx scaled to 0

overall progress: 0 out of 0 tasks

verify: Service converged

docker@mgr1:~\$ docker swarm ls

Usage: docker swarm COMMAND

Manage Swarm

Commands:

ca Display and rotate the root CA

init Initialize a swarm

join Join a swarm as a node and/or manager

join-token Manage join tokens

leave Leave the swarm unlock Unlock swarm

unlock-key Manage the unlock key

update Update the swarm

Run 'docker swarm COMMAND --help' for more information on a command.

docker@mgr1:~\$ docker node ls

ID HOSTNAME STATUS AVAILABILITY MANAGER

STATUS ENGINE VERSION

nkrzsres16o5aqievz65n7yrr * mgr1 Ready Active Leader

19.03.12

vqvzlw84cn7jkmpjxmijh5ha9 wrkr1 Down Active

19.03.12

zxrecsgm12cu3nhccbvxnvc9p wrkr2 Ready Active

19.03.12

i9yvoiwtdcz8uc6rxstnrxung wrkr3 Ready Active 19.03.12

docker@mgr1:~\$ docker node wrk2

Usage: docker node COMMAND

Manage Swarm nodes

Commands:

demote Demote one or more nodes from manager in the swarm

inspect Display detailed information on one or more nodes

ls List nodes in the swarm

promote Promote one or more nodes to manager in the swarm

ps List tasks running on one or more nodes, defaults to current node

rm Remove one or more nodes from the swarm

update Update a node

Run 'docker node COMMAND --help' for more information on a command.

docker@mgr1:~\$ docker node rm wrk2

Error: No such node: wrk2

docker@mgr1:~\$ docker node rm wrkr2 Error response from daemon: rpc error: code = FailedPrecondition desc = node zxrecsgm12cu3nhccbvxnvc9p is not down and can't be removed docker@mgr1:~\$ exit logout exit status 1 ______ ============ don-IV \$ docker-machine ssh wrkr2 ('>') /) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY. www.tinycorelinux.net (/-_--\) docker@wrkr2:~\$ docker swarm leave Node left the swarm. docker@wrkr2:~\$ exot -bash: exot: command not found docker@wrkr2:~\$ exit logout exit status 127 ============== don-IV \$ docker-machine ssh mgr1 /) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY. (/-_--\) www.tinycorelinux.net docker@mgr1:~\$ docker node ls **HOSTNAME STATUS** AVAILABILITY **MANAGER STATUS ENGINE VERSION** nkrzsres16o5aqievz65n7yrr * mgr1 Ready Active Leader 19.03.12 vqvzlw84cn7jkmpjxmijh5ha9 wrkr1 Down Active 19.03.12 zxrecsgm12cu3nhccbvxnvc9p wrkr2 Down Active 19.03.12 i9yvoiwtdcz8uc6rxstnrxung Ready 19.03.12 wrkr3 Active docker@mgr1:~\$ exit logout ______ don-IV \$ docker-machine ssh wrkr3 ('>')

/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.

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(/-_--\)

docker@wrkr3:~\$ docker swarm leave

Node left the swarm.

logout

ur 192.168.99.100:2377

docker@wrkr3:~\$ exit

don-IV \$ docker-machine ssh mgr1

('>')

/) TC (\ Core is distributed with ABSOLUTELY NO WARRANTY.

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docker@mgr1:~\$ docker swarm leave

Error response from daemon: You are attempting to leave the swarm on a node that is participating as a manager. Removing the last manager erases all current state of the swarm. Use `--force` to ignore this message.

docker@mgr1:~\$ docker swarm leave --force

Node left the swarm.

docker@mgr1:~\$ docker node ls

Error response from daemon: This node is not a swarm manager. Use "docker swarm init" or "docker swarm join" to connect this node to swarm and try again.

docker@mgr1:~\$ exit

logout

exit status 1

don-IV \$ docker-machine ls

NAME ACTIVE DRIV	VER STATE URL	SWARM DOCKER	ERRORS
mgr1 - virtualbox	Running tcp://192.168.99.100:2376	v19.03.12	
wrkr1 - virtualbox	Running tcp://192.168.99.101:2376	v19.03.12	
wrkr2 - virtualbox	Running tcp://192.168.99.102:2376	v19.03.12	
wrkr3 - virtualbox	Running tcp://192.168.99.103:2376	v19.03.12	

============

don-IV \$ docker-machine rm mgr1

About to remove mgr1

WARNING: This action will delete both local reference and remote instance.

Are you sure? (y/n): y

Successfully removed mgr1

don-IV \$ docker-machine rm wrkr1

About to remove wrkr1

WARNING: This action will delete both local reference and remote instance.

Are you sure? (y/n): y

Successfully removed wrkr1			
don-IV \$ docker-machine rm wrkr2 About to remove wrkr2 WARNING: This action will delete both local reference and remote instance. Are you sure? (y/n): y Successfully removed wrkr2			
======================================			
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