

Praca domowa PaaS - Docker

Filip Matysiak

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
#####
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker network
```

```
Usage:  docker network COMMAND
```

```
Manage networks
```

```
Commands:
```

```
connect      Connect a container to a network
create       Create a network
disconnect   Disconnect a container from a network
inspect      Display detailed information on one or more networks
ls           List networks
prune        Remove all unused networks
rm           Remove one or more networks
```

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

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
#####
```

```
#                               WARNING!!!!                               #
```

```
# This is a sandbox environment. Using personal credentials                #
```

```
# is HIGHLY! discouraged. Any consequences of doing so are                 #
```

```
# completely the user's responsibilities.                                   #
```

```
#                                                                           #
```

```
# The PWD team.                                                            #
```

```
#####
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

Manage networks

Commands:

connect	Connect a container to a network
create	Create a network
disconnect	Disconnect a container from a network
inspect	Display detailed information on one or more networks
ls	List networks
prune	Remove all unused networks
rm	Remove one or more networks

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

[node1] (local) root@192.168.0.23 ~

\$ docker network ls

NETWORK ID	NAME	DRIVER	SCOPE
1b1b81dd3457	bridge	bridge	local
d3292d8d6288	host	host	local
c7396394b19a	none	null	local

[node1] (local) root@192.168.0.23 ~

\$

```
#####
#                               #
#           WARNING!!!!        #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                    #
#                                                           #
# The FWD team.                                              #
#####
```

[node2] (local) root@192.168.0.22 ~

\$

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker network inspect bridge
[
  {
    "Name": "bridge",
    "Id": "1b1b81dd34570baafb04cf53d56038187eccc647d003db8c4ba1e89f4e02cde6",
    "Created": "2018-12-01T14:58:02.521464548Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": null,
      "Config": [
        {
          "Subnet": "172.17.0.0/16"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
```

```
#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                                                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$ □
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
]
[node1] (local) root@192.168.0.23 ~
$ docker info
Containers: 0
  Running: 0
  Paused: 0
  Stopped: 0
Images: 0
Server Version: 18.06.1-ce
Storage Driver: overlay2
  Backing Filesystem: xfs
  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 logentries splunk syslog
Swarm: inactive
```

```
#####
#                               #
#      WARNING!!!!              #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                                                               #
# The PWD team.                                                 #
#####
```

```
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

EventsListeners: 0

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

Labels:

Experimental: true

Insecure Registries:

127.0.0.1

127.0.0.0/8

Live Restore Enabled: false

WARNING: No swap limit support

WARNING: bridge-nf-call-iptables is disabled

WARNING: bridge-nf-call-ip6tables is disabled

[node1] (local) root@192.168.0.23 ~

\$ docker network ls

NETWORK ID	NAME	DRIVER	SCOPE
1b1b81dd3457	bridge	bridge	local
d3292d8d6288	host	host	local
c7396394b19a	none	null	local

[node1] (local) root@192.168.0.23 ~

\$

#####

WARNING!!!!

This is a sandbox environment. Using personal credentials

is HIGHLY! discouraged. Any consequences of doing so are

completely the user's responsibilities.

#

The PWD team.

#####

[node2] (local) root@192.168.0.22 ~

\$

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker network ls
```

NETWORK ID	NAME	DRIVER	SCOPE
1b1b81dd3457	bridge	bridge	local
d3292d8d6288	host	host	local
c7396394b19a	none	null	local

```
[node1] (local) root@192.168.0.23 ~
```

```
$ apt-get install bridge-utils
```

```
bash: apt-get: command not found
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ sudo apt-get install bridge-utils
```

```
/usr/local/bin/sudo: line 5: exec: apt-get: not found
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ apk update
```

```
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/main/x86_64/APKINDEX.tar.gz
```

```
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/community/x86_64/APKINDEX.tar.gz
```

```
v3.8.1-115-ge3ed6b4e31 [http://dl-cdn.alpinelinux.org/alpine/v3.8/main]
```

```
v3.8.1-112-g45bdd0edfb [http://dl-cdn.alpinelinux.org/alpine/v3.8/community]
```

```
OK: 9555 distinct packages available
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
#####  
#                               #  
#           WARNING!!!!        #  
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilities.                    #  
#                               #  
# The PWD team.                                                 #  
#####
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
c7396394b19a      none      null      local
[node1] (local) root@192.168.0.23 ~
$ apt-get install bridge-utils
bash: apt-get: command not found
[node1] (local) root@192.168.0.23 ~
$ sudo apt-get install bridge-utils
/usr/local/bin/sudo: line 5: exec: apt-get: not found
[node1] (local) root@192.168.0.23 ~
$ apk update
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/main/x86_64/APKINDEX.tar.gz
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/community/x86_64/APKINDEX.tar.gz
v3.8.1-115-ge3ed6b4e31 [http://dl-cdn.alpinelinux.org/alpine/v3.8/main]
v3.8.1-112-g45bdd0edfb [http://dl-cdn.alpinelinux.org/alpine/v3.8/community]
OK: 9555 distinct packages available
[node1] (local) root@192.168.0.23 ~
$ apk add bridge
(1/1) Installing bridge (1.5-r3)
OK: 302 MiB in 111 packages
[node1] (local) root@192.168.0.23 ~
$ █

#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilities.                       #
#                                                             #
# The PWD team.                                                #
#####
[node2] (local) root@192.168.0.22 ~
$ █
```


If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$ sudo apt-get install bridge-utils
/usr/local/bin/sudo: line 5: exec: apt-get: not found
[node1] (local) root@192.168.0.23 ~
$ apk update
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/main/x86_64/APKINDEX.tar.gz
fetch http://dl-cdn.alpinelinux.org/alpine/v3.8/community/x86_64/APKINDEX.tar.gz
v3.8.1-115-ge3ed6b4e31 [http://dl-cdn.alpinelinux.org/alpine/v3.8/main]
v3.8.1-112-g45bdd0edfb [http://dl-cdn.alpinelinux.org/alpine/v3.8/community]
OK: 9555 distinct packages available
[node1] (local) root@192.168.0.23 ~
$ apk add bridge
(1/1) Installing bridge (1.5-r3)
OK: 302 MiB in 111 packages
[node1] (local) root@192.168.0.23 ~
$ brctl show
bridge name      bridge id                STP enabled    interfaces
docker0          8000.0242b83d4fe3        no
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                   #
#                                                           #
# The PWD team.                                             #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
2: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN
    link/ether 02:42:b8:3d:4f:e3 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
70451: eth1@if70452: <BROADCAST,MULTICAST,UP,LOWER_UP,M-DOWN> mtu 1500 qdisc noqueue state UP
    link/ether 02:42:ac:13:00:0a brd ff:ff:ff:ff:ff:ff
    inet 172.19.0.10/16 scope global eth1
        valid_lft forever preferred_lft forever
70455: eth0@if70456: <BROADCAST,MULTICAST,UP,LOWER_UP,M-DOWN> mtu 1500 qdisc noqueue state UP
    link/ether fa:e8:4d:bf:39:4b brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.23/23 scope global eth0
        valid_lft forever preferred_lft forever
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
#####
#                               #
#      WARNING!!!!              #
# This is a sandbox environment. Using personal credentials      #
# is HIGHLY! discouraged. Any consequences of doing so are      #
# completely the user's responsibilities.                          #
#                               #
# The PWD team.                                                    #
#####
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
link/ether 02:42:ac:13:00:0a brd ff:ff:ff:ff:ff:ff
inet 172.19.0.10/16 scope global eth1
    valid_lft forever preferred_lft forever
70455: eth0@if70456: <BROADCAST,MULTICAST,UP,LOWER_UP,M-DOWN> mtu 1500 qdisc noqueue state UP
link/ether fa:e8:4d:bf:39:4b brd ff:ff:ff:ff:ff:ff
inet 192.168.0.23/23 scope global eth0
    valid_lft forever preferred_lft forever
[node1] (local) root@192.168.0.23 ~
$ docker run -dt ubuntu sleep infinity
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
32802c0cfa4d: Pull complete
da1315cffa03: Pull complete
fa83472a3562: Pull complete
f85999a86bef: Pull complete
Digest: sha256:6d0e0c26489e33f5a6f0020edface2727db9489744ecc9b4f50c7fa671f23c49
Status: Downloaded newer image for ubuntu:latest
9d0ec8af251624c90fc4d824f16cbe4e9c8b812c68bddc07208c330bf5c2a68e
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#           WARNING!!!!        #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                    #
#                                                             #
# The PWD team.                                              #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
link/ether fa:e8:4d:bf:39:4b brd ff:ff:ff:ff:ff:ff
```

```
inet 192.168.0.23/23 scope global eth0
```

```
valid_lft forever preferred_lft forever
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker run -dt ubuntu sleep infinity
```

```
Unable to find image 'ubuntu:latest' locally
```

```
latest: Pulling from library/ubuntu
```

```
32802c0cfa4d: Pull complete
```

```
da1315cffa03: Pull complete
```

```
fa83472a3562: Pull complete
```

```
f85999a86bef: Pull complete
```

```
Digest: sha256:6d0e0c26489e33f5a6f0020edface2727db9489744ecc9b4f50c7fa671f23c49
```

```
Status: Downloaded newer image for ubuntu:latest
```

```
9d0ec8af251624c90fc4d824f16cbe4e9c8b812c68bddc07208c330bf5c2a68e
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
9d0ec8af2516	ubuntu	"sleep infinity"	15 seconds ago	Up 13 seconds		kind_ramanujan

```
[node1] (local) root@192.168.0.23 ~
```

```
$ █
```

```
#####  
#                               #  
#           WARNING!!!!        #  
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilites.                    #  
#                               #  
# The FWD team.                                                #  
#####
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$ █
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker run -dt ubuntu sleep infinity
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
32802c0cfa4d: Pull complete
da1315cffa03: Pull complete
fa83472a3562: Pull complete
f85999a86bef: Pull complete
Digest: sha256:6d0e0c26489e33f5a6f0020edface2727db9489744ecc9b4f50c7fa671f23c49
Status: Downloaded newer image for ubuntu:latest
9d0ec8af251624c90fc4d824f16cbe4e9c8b812c68bddc07208c330bf5c2a68e
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
9d0ec8af2516        ubuntu             "sleep infinity"    15 seconds ago     Up 13 seconds      kind_ramanujan
[node1] (local) root@192.168.0.23 ~
$ brctl show
bridge name      bridge id          STP enabled        interfaces
docker0          8000.0242b83d4fe3  no                 vethae7bc39
[node1] (local) root@192.168.0.23 ~
$ 
#####
#                               WARNING!!!!                               #
# This is a sandbox environment. Using personal credentials               #
# is HIGHLY! discouraged. Any consequences of doing so are               #
# completely the user's responsibilites.                                  #
#                                                                           #
# The FWD team.                                                            #
#####
[node2] (local) root@192.168.0.22 ~
$ 
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
"Network": ""
},
"ConfigOnly": false,
"Containers": {
  "9d0ec8af251624c90fc4d824f16cbe4e9c8b812c68bddc07208c330bf5c2a68e": {
    "Name": "kind_ramanujan",
    "EndpointID": "543a843e5fb1beef2801e72d8e5f44167f06f99d4b8353e83ffbf359acee16cb",
    "MacAddress": "02:42:ac:11:00:02",
    "IPv4Address": "172.17.0.2/16",
    "IPv6Address": ""
  }
},
"Options": {
  "com.docker.network.bridge.default_bridge": "true",
  "com.docker.network.bridge.enable_icc": "true",
  "com.docker.network.bridge.enable_ip_masquerade": "true",
  "com.docker.network.bridge.host_binding_ipv4": "0.0.0.0",
  "com.docker.network.bridge.name": "docker0",
  "com.docker.network.driver.mtu": "1500"
},
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                     #
#                               #
# The PWD team.                                                  #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
"com.docker.network.bridge.name": "docker0",
"com.docker.network.driver.mtu": "1500"
},
"Labels": {}
}
]
[node1] (local) root@192.168.0.23 ~
$ ping -c5 172.17.0.2
PING 172.17.0.2 (172.17.0.2): 56 data bytes
64 bytes from 172.17.0.2: seq=0 ttl=64 time=0.210 ms
64 bytes from 172.17.0.2: seq=1 ttl=64 time=0.105 ms
64 bytes from 172.17.0.2: seq=2 ttl=64 time=0.079 ms
64 bytes from 172.17.0.2: seq=3 ttl=64 time=0.104 ms
64 bytes from 172.17.0.2: seq=4 ttl=64 time=0.072 ms

--- 172.17.0.2 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 0.072/0.114/0.210 ms
[node1] (local) root@192.168.0.23 ~
$

#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilities.                       #
#                                                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
]
[node1] (local) root@192.168.0.23 ~
$ ping -c5 172.17.0.2
PING 172.17.0.2 (172.17.0.2): 56 data bytes
64 bytes from 172.17.0.2: seq=0 ttl=64 time=0.210 ms
64 bytes from 172.17.0.2: seq=1 ttl=64 time=0.105 ms
64 bytes from 172.17.0.2: seq=2 ttl=64 time=0.079 ms
64 bytes from 172.17.0.2: seq=3 ttl=64 time=0.104 ms
64 bytes from 172.17.0.2: seq=4 ttl=64 time=0.072 ms

--- 172.17.0.2 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 0.072/0.114/0.210 ms
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
9d0ec8af2516        ubuntu             "sleep infinity"    4 minutes ago       Up 4 minutes                kind_ramanujan
[node1] (local) root@192.168.0.23 ~
$ docker exec -it kind_ramanujan /bin/bash
root@9d0ec8af2516:/#

#####
#                               #
#          WARNING!!!!          #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are  #
# completely the user's responsibilities.                     #
#                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$
```


If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
Preparing to unpack .../libpam-cap_1:2.25-1.2_amd64.deb ...
Unpacking libpam-cap:amd64 (1:2.25-1.2) ...
Setting up libcap2:amd64 (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Setting up libidn11:amd64 (1.33-2.1ubuntu1) ...
Setting up iputils-ping (3:20161105-1ubuntu2) ...
Setting up libpam-cap:amd64 (1:2.25-1.2) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 76.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.26.1 /usr/local/share/perl/5.26.1 /usr/lib/x86_64-linux-gnu/perl5/5.26 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl/5.26 /usr/share/perl/5.26 /usr/local/lib/site_perl /usr/lib/x86_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libcap2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@9d0ec8af2516:/#
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                   #
#                                                           #
# The PWD team.                                             #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.26.1 /usr/local/share/perl/5.26.1 /usr/lib/x86_64-linux-gnu/perl5/5.26 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl/5.26 /usr/share/perl/5.26 /usr/local/lib/site_perl /usr/lib/x86_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libcapi2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@9d0ec8af2516:/# ping -c5 www.github.com
PING github.com (192.30.253.112) 56(84) bytes of data.
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=1 ttl=50 time=2.18 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=2 ttl=50 time=2.18 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=3 ttl=50 time=2.10 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=4 ttl=50 time=2.23 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=5 ttl=50 time=2.19 ms

--- github.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 2.101/2.179/2.236/0.073 ms
root@9d0ec8af2516:/#
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilities.                   #
#                                                           #
# The PWD team.                                              #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
linux-gnu/perl/5.26 /usr/share/perl/5.26 /usr/local/lib/site_perl /usr/lib/x86_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf/Front  
End/Readline.pm line 7.)
```

```
debconf: falling back to frontend: Teletype
```

```
Setting up libcapi2-bin (1:2.25-1.2) ...
```

```
Processing triggers for libc-bin (2.27-3ubuntu1) ...
```

```
root@9d0ec8af2516:/# ping -c5 www.github.com
```

```
PING github.com (192.30.253.112) 56(84) bytes of data.
```

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=1 ttl=50 time=2.18 ms
```

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=2 ttl=50 time=2.18 ms
```

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=3 ttl=50 time=2.10 ms
```

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=4 ttl=50 time=2.23 ms
```

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=5 ttl=50 time=2.19 ms
```

```
--- github.com ping statistics ---
```

```
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
```

```
rtt min/avg/max/mdev = 2.101/2.179/2.236/0.073 ms
```

```
root@9d0ec8af2516:/# exit
```

```
exit
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
#####  
#                               #  
#           WARNING!!!!        #  
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilities.                   #  
#                               #  
# The PWD team.                                                #  
#####
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=2 ttl=50 time=2.18 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=3 ttl=50 time=2.10 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=4 ttl=50 time=2.23 ms
64 bytes from lb-192-30-253-112-iad.github.com (192.30.253.112): icmp_seq=5 ttl=50 time=2.19 ms

--- github.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 2.101/2.179/2.236/0.073 ms
root@9d0ec8af2516:/# exit
exit
[node1] (local) root@192.168.0.23 ~
$ docker
docker                docker-containerd-ctr  docker-init            docker-proxy           dockerd-entrypoint.sh
docker-compose        docker-containerd-shim  docker-machine         docker-runc            dockerd-entrypoint.sh
docker-containerd     docker-entrypoint.sh    docker-prompt          dockerd
[node1] (local) root@192.168.0.23 ~
$ docker stop kind_ramanujan
kind_ramanujan
[node1] (local) root@192.168.0.23 ~
$ █

#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$ █
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$ docker
docker                docker-containerd-ctr  docker-init           docker-proxy          dockerd-entrypoint.sh
docker-compose        docker-containerd-shim  docker-machine        docker-runc
docker-containerd     docker-entrypoint.sh    docker-prompt         dockerd
[node1] (local) root@192.168.0.23 ~
$ docker stop kind_ramanujan
kind_ramanujan
[node1] (local) root@192.168.0.23 ~
$ docker run --name web1 -d -p 8080:80 nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
a5a6f2f73cd8: Pull complete
1ba02017c4b2: Pull complete
33b176c904de: Pull complete
Digest: sha256:5d32f60db294b5deb55d078cd4feb410ad88e6fe77500c87d3970eca97f54dba
Status: Downloaded newer image for nginx:latest
ebfb29b94a476e514b5d8051af3df5adcc45659e1648a208033988cea2fd0d4a
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                                                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
docker-containerd      docker-entrypoint.sh  docker-prompt        dockerd
[node1] (local) root@192.168.0.23 ~
$ docker stop kind_ramanujan
kind_ramanujan
[node1] (local) root@192.168.0.23 ~
$ docker run --name web1 -d -p 8080:80 nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
a5a6f2f73cd8: Pull complete
1ba02017c4b2: Pull complete
33b176c904de: Pull complete
Digest: sha256:5d32f60db294b5deb55d078cd4feb410ad88e6fe77500c87d3970eca97f54dba
Status: Downloaded newer image for nginx:latest
ebfb29b94a476e514b5d8051af3df5adcc45659e1648a208033988cea2fd0d4a
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
ebfb29b94a47        nginx              "nginx -g 'daemon of..." 22 seconds ago     Up 20 seconds      0.0.0.0:8080->80/tcp  web1
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are   #
# completely the user's responsibilites.                      #
#                                                             #
# The PWD team.                                                #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif;
}
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are   #
# completely the user's responsibilites.                      #
#                                                             #
# The PWD team.                                               #
#####
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

<p>For online documentation and support please refer to

nginx.org.

Commercial support is available at

nginx.com.</p>

<p>Thank you for using nginx.</p>

</body>

</html>

[node1] (local) root@192.168.0.23 ~

\$ docker swarm init --advertise-addr \$(hostname -i)

Swarm initialized: current node (yzt4umh9gsusybbnfye7ktgy) is now a manager.

To add a worker to this swarm, run the following command:

```
docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
```

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

[node1] (local) root@192.168.0.23 ~

\$

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are   #
# completely the user's responsibilities.                     #
#                                                             #
# The PWD team.                                               #
#####
```

[node2] (local) root@192.168.0.22 ~

\$

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

<p>For online documentation and support please refer to

nginx.org.

Commercial support is available at

nginx.com.</p>

<p>Thank you for using nginx.</p>

</body>

</html>

[node1] (local) root@192.168.0.23 ~

\$ docker swarm init --advertise-addr \$(hostname -i)

Swarm initialized: current node (yzt4umh9gsusybbnfye7ktgy) is now a manager.

To add a worker to this swarm, run the following command:

```
docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
```

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

[node1] (local) root@192.168.0.23 ~

\$

```
#####
#                               #
#      WARNING!!!!              #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are   #
# completely the user's responsibilities.                      #
#                                                             #
# The PWD team.                                                #
#####
```

[node2] (local) root@192.168.0.22 ~

\$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377

This node joined a swarm as a worker.

[node2] (local) root@192.168.0.22 ~

\$

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
```

```
[node1] (local) root@192.168.0.23 ~
$ docker swarm init --advertise-addr $(hostname -i)
Swarm initialized: current node (yzt4umh9gsusybbnfye7ktgy) is now a manager.
```

To add a worker to this swarm, run the following command:

```
docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
```

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

```
[node1] (local) root@192.168.0.23 ~
$ docker node ls
```

ID	HOSTNAME	STATUS	AVAILABILITY	MANAGER STATUS	ENGINE VERSION
yzt4umh9gsusybbnfye7ktgy *	node1	Ready	Active	Leader	18.06.1-ce
pfgvk8r6wc1fea107gp2vdavj	node2	Ready	Active		18.06.1-ce

```
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                   #
#                                                           #
# The PWD team.                                             #
#####
```

```
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$ docker swarm init --advertise-addr $(hostname -i)
Swarm initialized: current node (yzt4umh9gsusybbnfye7ktgy) is now a manager.
```

To add a worker to this swarm, run the following command:

```
docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
```

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

```
[node1] (local) root@192.168.0.23 ~
$ docker node ls
```

ID	HOSTNAME	STATUS	AVAILABILITY	MANAGER STATUS	ENGINE VERSION
yzt4umh9gsusybbnfye7ktgy *	node1	Ready	Active	Leader	18.06.1-ce
pfgvk8r6wc1fea107gp2vdavj	node2	Ready	Active		18.06.1-ce

```
[node1] (local) root@192.168.0.23 ~
$ docker network create -d overlay overnet
odh7w9zvxyxynpwzk5a3cl6hp
```

```
[node1] (local) root@192.168.0.23 ~
$
```

```
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                     #
#                               #
# The PWD team.                                                  #
#####
```

```
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$ docker node ls

```

ID	HOSTNAME	STATUS	AVAILABILITY	MANAGER STATUS	ENGINE VERSION
yztx4umh9gsusybbnfye7ktgy *	node1	Ready	Active	Leader	18.06.1-ce
pfgvk8r6wc1fea107gp2vdavj	node2	Ready	Active		18.06.1-ce

```
[node1] (local) root@192.168.0.23 ~
$ docker network create -d overlay overnet
odh7w9zvxyxypwzk5a3cl6hp
[node1] (local) root@192.168.0.23 ~
$ docker network ls

```

NETWORK ID	NAME	DRIVER	SCOPE
1b1b81dd3457	bridge	bridge	local
4acf9f670eb8	docker_gwbridge	bridge	local
d3292d8d6288	host	host	local
j00w58lqv699	ingress	overlay	swarm
c7396394b19a	none	null	local
odh7w9zvxyxy	overnet	overlay	swarm

```
[node1] (local) root@192.168.0.23 ~
$ 
#####
#                               #
#      WARNING!!!!             #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                     #
#                                                             #
# The PWD team.                                                #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03ylhev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[
  {
    "Name": "overnet",
    "Id": "odh7w9zvxyxynpwzk5a3cl6hp",
    "Created": "2018-12-01T15:23:37.361815295Z",
    "Scope": "swarm",
    "Driver": "overlay",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": null,
      "Config": [
        {
          "Subnet": "10.0.0.0/24",
          "Gateway": "10.0.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
  },
]

#####
#                               #
#      WARNING!!!!              #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                                                                #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03ylhev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

"ConfigOnly": false,
"Containers": null,
"Options": {
  "com.docker.network.driver.overlay.vxlanid_list": "4097"
},
"Labels": null
}
]
[node1] (local) root@192.168.0.23 ~
$ docker service create --name myservice \
> --network overnet \
> --replicas 2 \
> ubuntu sleep infinity
i15vmh8ei57ctcatdmgxh25ov
overall progress: 2 out of 2 tasks
1/2: running [=====>]
2/2: running [=====>]
verify: Service converged
[node1] (local) root@192.168.0.23 ~
$ █

#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are    #
# completely the user's responsibilites.                       #
#                                                                #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03ylhev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$ █

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

    },
    "Labels": null
  }
]
[node1] (local) root@192.168.0.23 ~
$ docker service create --name myservice \
> --network overnet \
> --replicas 2 \
> ubuntu sleep infinity
i15vmh8ei57ctcatdmgxh25ov
overall progress: 2 out of 2 tasks
1/2: running [=====>]
2/2: running [=====>]
verify: Service converged
[node1] (local) root@192.168.0.23 ~
$ docker service ls

```

ID	NAME	MODE	REPLICAS	IMAGE	PORTS
i15vmh8ei57c	myservice	replicated	2/2	ubuntu:latest	

```

[node1] (local) root@192.168.0.23 ~
$ 
#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                     #
#                               #
# The PWD team.                                                 #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03y1hev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$ 

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
> ubuntu sleep infinity
i15vmh8ei57ctcatdmgxh25ov
overall progress: 2 out of 2 tasks
1/2: running [=====>]
2/2: running [=====>]
verify: Service converged
[node1] (local) root@192.168.0.23 ~
$ docker service ls
ID                NAME                MODE                REPLICAS            IMAGE                PORTS
i15vmh8ei57c      myservice           replicated          2/2                 ubuntu:latest
[node1] (local) root@192.168.0.23 ~
$ docker service ps myservice
ID                NAME                IMAGE                NODE                DESIRED STATE        CURRENT STATE        ERROR
jrbu3f20p9g7      myservice.1         ubuntu:latest        node2               Running              Running about a minute ago
s8vxqd3u6jz0      myservice.2         ubuntu:latest        node1               Running              Running about a minute ago
[node1] (local) root@192.168.0.23 ~
$ █

#####
#                               #
#           WARNING!!!!         #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilites.                   #
#                                                           #
# The PWD team.                                             #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03ylhev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$ █
```


If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
> ubuntu sleep infinity
i15vmh8ei57ctcatdmgxh25ov
overall progress: 2 out of 2 tasks
1/2: running [=====>]
2/2: running [=====>]
verify: Service converged
[node1] (local) root@192.168.0.23 ~
$ docker service ls
```

ID	NAME	MODE	REPLICAS	IMAGE	PORTS
i15vmh8ei57c	myservice	replicated	2/2	ubuntu:latest	

```
[node1] (local) root@192.168.0.23 ~
$ docker service ps myservice
```

ID	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE	ERROR
jrbu3f20p9g7	myservice.1	ubuntu:latest	node2	Running	Running about a minute ago	
s8vxqd3u6jz0	myservice.2	ubuntu:latest	node1	Running	Running about a minute ago	

```
[node1] (local) root@192.168.0.23 ~
$

# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilities. #
# #
# The PWD team. #
#####
[node2] (local) root@192.168.0.22 ~
$ docker swarm join --token SWMTKN-1-4i3vbo8ujqkcs6oedbonjps3qn9pe8csqas5nb08w4p03ylhev-d5o9uswamy4j0ogh7noeuzxgn 192.168.0.23:2377
This node joined a swarm as a worker.
[node2] (local) root@192.168.0.22 ~
$ docker network ls
```

NETWORK ID	NAME	DRIVER	SCOPE
aa5fa02823f6	bridge	bridge	local
6d71aa8c9d36	docker_gwbridge	bridge	local
61c2eb4a464c	host	host	local
j00w581qv699	ingress	overlay	swarm
f81dfb58bc6c	none	null	local
odh7w9zvxyxy	overnet	overlay	swarm

```
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
> ubuntu sleep infinity
i15vmh8ei57ctcatdmgxh25ov
overall progress: 2 out of 2 tasks
1/2: running [=====>]
2/2: running [=====>]
verify: Service converged
[node1] (local) root@192.168.0.23 ~
$ docker service ls
```

ID	NAME	MODE	REPLICAS	IMAGE	PORTS
i15vmh8ei57c	myservice	replicated	2/2	ubuntu:latest	

```
[node1] (local) root@192.168.0.23 ~
$ docker service ps myservice
```

ID	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE	ERROR
jrbu3f20p9g7	myservice.1	ubuntu:latest	node2	Running	Running about a minute ago	
s8vxqd3u6jz0	myservice.2	ubuntu:latest	node1	Running	Running about a minute ago	

```
[node1] (local) root@192.168.0.23 ~
$ 
f81dfb58bc6c      none      null      local
odh7w9zvxyxy      overnet   overlay   swarm
[node2] (local) root@192.168.0.22 ~
$ docker network inspect overnet
[
  {
    "Name": "overnet",
    "Id": "odh7w9zvxyxypwzk5a3cl6hp",
    "Created": "2018-12-01T15:26:24.363121748Z",
    "Scope": "swarm",
    "Driver": "overlay",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": null,
      "Config": [
        {
          "Subnet": "10.0.0.0/24",
          "Gateway": "10.0.0.1"
        }
      ]
    }
  }
]
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker service ls
```

ID	NAME	MODE	REPLICAS	IMAGE	PORTS
i15vmh8ei57c	myservice	replicated	2/2	ubuntu:latest	

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker service ps myservice
```

ID	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE	ERROR
jrbu3f20p9g7	myservice.1	ubuntu:latest	node2	Running	Running about a minute ago	
s8vxqd3u6jz0	myservice.2	ubuntu:latest	node1	Running	Running about a minute ago	

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
ae4d2de346e8	ubuntu:latest	"sleep infinity"	2 minutes ago	Up 2 minutes		myservi
ce.2.s8vxqd3u6jz03yh2m3vue1ppq						
ebfb29b94a47	nginx	"nginx -g 'daemon of...'"	11 minutes ago	Up 11 minutes	0.0.0.0:8080->80/tcp	web1

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
    }
  },
  "Options": {
    "com.docker.network.driver.overlay.vxlanid_list": "4097"
  },
  "Labels": {},
  "Peers": [
    {
      "Name": "a703b9c51ac6",
      "IP": "192.168.0.22"
    },
    {
      "Name": "e4ee7ed8eb14",
      "IP": "192.168.0.23"
    }
  ]
}
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
[node1] (local) root@192.168.0.23 ~
$
[node1] (local) root@192.168.0.23 ~
$
[node1] (local) root@192.168.0.23 ~
$
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS
NAMEs
ae4d2de346e8       ubuntu:latest      "sleep infinity"    4 minutes ago      Up 4 minutes
myservice.2.s8vxqd3u6jz03yh2m3vue1ppq
ebfb29b94a47       nginx              "nginx -g 'daemon of..." 13 minutes ago     Up 13 minutes      0.0.0.0:8080->80/tcp
web1
[node1] (local) root@192.168.0.23 ~
$ docker exec -it
myservice.2.s8vxqd3u6jz03yh2m3vue1ppq web1
[node1] (local) root@192.168.0.23 ~
$ docker exec -it myservice.2.s8vxqd3u6jz03yh2m3vue1ppq /bin/bash
root@ae4d2de346e8:/$
```

```
    },
    "Options": {
      "com.docker.network.driver.overlay.vxlanid_list": "4097"
    },
    "Labels": {},
    "Peers": [
      {
        "Name": "a703b9c51ac6",
        "IP": "192.168.0.22"
      },
      {
        "Name": "e4ee7ed8eb14",
        "IP": "192.168.0.23"
      }
    ]
  }
]
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.26.1 /usr/local/share/perl/5.26.1 /usr/lib/x86_64-linux-gnu/perl5/5.26 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl/5.26 /usr/share/perl/5.26 /usr/local/lib/site_perl /usr/lib/x86_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libcapi2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@ae4d2de346e8:/# ping -c5 10.0.0.3
PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.
64 bytes from 10.0.0.3: icmp_seq=1 ttl=64 time=0.120 ms
64 bytes from 10.0.0.3: icmp_seq=2 ttl=64 time=0.095 ms
64 bytes from 10.0.0.3: icmp_seq=3 ttl=64 time=0.072 ms
64 bytes from 10.0.0.3: icmp_seq=4 ttl=64 time=0.067 ms
64 bytes from 10.0.0.3: icmp_seq=5 ttl=64 time=0.090 ms

--- 10.0.0.3 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3997ms
rtt min/avg/max/mdev = 0.067/0.088/0.120/0.022 ms
root@ae4d2de346e8:/#
```

```
    },
    "Options": {
        "com.docker.network.driver.overlay.vxlanid_list": "4097"
    },
    "Labels": {},
    "Peers": [
        {
            "Name": "a703b9c51ac6",
            "IP": "192.168.0.22"
        },
        {
            "Name": "e4ee7ed8eb14",
            "IP": "192.168.0.23"
        }
    ]
}

[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
e/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libcapi2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@ae4d2de346e8:/$ ping -c5 10.0.0.3
PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.
64 bytes from 10.0.0.3: icmp_seq=1 ttl=64 time=0.120 ms
64 bytes from 10.0.0.3: icmp_seq=2 ttl=64 time=0.095 ms
64 bytes from 10.0.0.3: icmp_seq=3 ttl=64 time=0.072 ms
64 bytes from 10.0.0.3: icmp_seq=4 ttl=64 time=0.067 ms
64 bytes from 10.0.0.3: icmp_seq=5 ttl=64 time=0.090 ms

--- 10.0.0.3 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3997ms
rtt min/avg/max/mdev = 0.067/0.088/0.120/0.022 ms
root@ae4d2de346e8:/$ cat /etc/resolv.conf
search 51ur3jppi0eupdptvsj42kdvgc.bx.internal.cloudapp.net
nameserver 127.0.0.11
options ndots:0
root@ae4d2de346e8:/$
```

```
    }
  },
  "Options": {
    "com.docker.network.driver.overlay.vxlanid_list": "4097"
  },
  "Labels": {},
  "Peers": [
    {
      "Name": "a703b9c51ac6",
      "IP": "192.168.0.22"
    },
    {
      "Name": "e4ee7ed8eb14",
      "IP": "192.168.0.23"
    }
  ]
}
]
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
--- 10.0.0.3 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3997ms
rtt min/avg/max/mdev = 0.067/0.088/0.120/0.022 ms
root@ae4d2de346e8:/# cat /etc/resolv.conf
search 51ur3jppi0eupdptvsj42kdvgc.bx.internal.cloudapp.net
nameserver 127.0.0.11
options ndots:0
root@ae4d2de346e8:/# ping -c5 myservice
PING myservice (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.126 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.075 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.105 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.096 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.073 ms

--- myservice ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4003ms
rtt min/avg/max/mdev = 0.073/0.095/0.126/0.019 ms
root@ae4d2de346e8:/#
```

```
    }
  },
  "Options": {
    "com.docker.network.driver.overlay.vxlanid_list": "4097"
  },
  "Labels": {},
  "Peers": [
    {
      "Name": "a703b9c51ac6",
      "IP": "192.168.0.22"
    },
    {
      "Name": "e4ee7ed8eb14",
      "IP": "192.168.0.23"
    }
  ]
}
]
[node2] (local) root@192.168.0.22 ~
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
    },
    "EndpointSpec": {
      "Mode": "vip"
    }
  },
  "Endpoint": {
    "Spec": {
      "Mode": "vip"
    },
    "VirtualIPs": [
      {
        "NetworkID": "odh7w9zvxyxynpwzk5a3cl6hp",
        "Addr": "10.0.0.4/24"
      }
    ]
  }
}
]
[node1] (local) root@192.168.0.23 ~
$

    },
    "Options": {
      "com.docker.network.driver.overlay.vxlanid_list": "4097"
    },
    "Labels": {},
    "Peers": [
      {
        "Name": "a703b9c51ac6",
        "IP": "192.168.0.22"
      },
      {
        "Name": "e4ee7ed8eb14",
        "IP": "192.168.0.23"
      }
    ]
  }
}
]
[node2] (local) root@192.168.0.22 ~
$
```


If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

    },
    "EndpointSpec": {
      "Mode": "vip"
    }
  },
  "Endpoint": {
    "Spec": {
      "Mode": "vip"
    },
    "VirtualIPs": [
      {
        "NetworkID": "odh7w9zvxyxynpwzk5a3cl6hp",
        "Addr": "10.0.0.4/24"
      }
    ]
  }
}
]
$

```

[node1] (local) root@192.168.0.23 ~
\$

```

    },
    {
      "Name": "e4ee7ed8eb14",
      "IP": "192.168.0.23"
    }
  ]
}
]
[node2] (local) root@192.168.0.22 ~
$ dock
docker                docker-containerd-ctr  docker-init           docker-proxy          dockerd-entrypoint.sh
docker-compose        docker-containerd-shim  docker-machine        docker-runc
docker-containerd     docker-entrypoint.sh    docker-prompt         dockerd
[node2] (local) root@192.168.0.22 ~
$ docker exec myservice.1.jrbu3f20p9g7uzd00z8kjqvp4 -it /bin/bash
OCI runtime exec failed: exec failed: container_linux.go:348: starting container process caused "exec: \"-it\": executable file
not found in $PATH": unknown
[node2] (local) root@192.168.0.22 ~
$ docker exec -it myservice.1.jrbu3f20p9g7uzd00z8kjqvp4 /bin/bash
root@3dc75dbc7fc1:/#

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

    },
    "EndpointSpec": {
      "Mode": "vip"
    }
  },
  "Endpoint": {
    "Spec": {
      "Mode": "vip"
    },
    "VirtualIPs": [
      {
        "NetworkID": "odh7w9zvxyxynpwzk5a3cl6hp",
        "Addr": "10.0.0.4/24"
      }
    ]
  }
}
]
}
]
[
[node1] (local) root@192.168.0.23 ~
$

```

```

e/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libc-bin (2.27-3ubuntu1) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/# ping -c5 myservice
PING myservice (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms

--- myservice ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
root@3dc75dbc7fc1:/#

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

    }
  },
  "Endpoint": {
    "Spec": {
      "Mode": "vip"
    },
    "VirtualIPs": [
      {
        "NetworkID": "odh7w9zvxyxynpwzk5a3cl6hp",
        "Addr": "10.0.0.4/24"
      }
    ]
  }
}
]
}

```

```

[node1] (local) root@192.168.0.23 ~
$ docker service rm myservice
myservice
[node1] (local) root@192.168.0.23 ~
$

```

```

e/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up libcapi2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/# ping -c5 myservice
PING myservice (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms

--- myservice ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
root@3dc75dbc7fc1:/#

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

}
]
[node1] (local) root@192.168.0.23 ~
$ docker service rm myservice
myservice
[node1] (local) root@192.168.0.23 ~
$ docke
docker          docker-containerd-ctr  docker-init      docker-proxy     dockerd-entrypoint.sh
docker-compose  docker-containerd-shim  docker-machine   docker-runc
docker-containerd  docker-entrypoint.sh  docker-prompt    dockerd
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED            STATUS              PORTS
NAMES
ae4d2de346e8        ubuntu:latest       "sleep infinity"        16 minutes ago     Up 16 minutes
myservice.2.s8vxqd3u6jz03yh2m3vue1ppq
ebfb29b94a47        nginx               "nginx -g 'daemon of..." 24 minutes ago     Up 24 minutes      0.0.0.0:8080->80/tcp
web1
[node1] (local) root@192.168.0.23 ~
$

```

```

debconf: falling back to frontend: Teletype
Setting up libcapi2-bin (1:2.25-1.2) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/# ping -c5 myservice
PING myservice (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms

--- myservice ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
root@3dc75dbc7fc1:/# [node2] (local) root@192.168.0.22 ~
$

```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
ebfb29b94a47	nginx	"nginx -g 'daemon of..."	26 minutes ago	Up 26 minutes	0.0.0.0:8080->80/tcp

```
web1
[node1] (local) root@192.168.0.23 ~
```

```
$ dock
```

docker	docker-containerd-ctr	docker-init	docker-proxy	dockerd-entrypoint.sh
docker-compose	docker-containerd-shim	docker-machine	docker-runc	
docker-containerd	docker-entrypoint.sh	docker-prompt	dockerd	

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker service
```

create	inspect	logs	ls	ps	rm	rollback	scale	update
--------	---------	------	----	----	----	----------	-------	--------

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker swarm leave --force
```

```
Node left the swarm.
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
debconf: falling back to frontend: Teletype
```

```
Setting up libcapi2-bin (1:2.25-1.2) ...
```

```
Processing triggers for libc-bin (2.27-3ubuntu1) ...
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/# ping -c5 myservice
```

```
PING myservice (10.0.0.4) 56(84) bytes of data.
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms
```

```
--- myservice ping statistics ---
```

```
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
```

```
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
```

```
root@3dc75dbc7fc1:/# [node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
ebfb29b94a47	nginx	"nginx -g 'daemon of..."	26 minutes ago	Up 26 minutes	0.0.0.0:8080->80/tcp

```
web1
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ dock
```

docker	docker-containerd-ctr	docker-init	docker-proxy	dockerd-entrypoint.sh
docker-compose	docker-containerd-shim	docker-machine	docker-runc	
docker-containerd	docker-entrypoint.sh	docker-prompt	dockerd	

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker service
```

create	inspect	logs	ls	ps	rm	rollback	scale	update
--------	---------	------	----	----	----	----------	-------	--------

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$ docker swarm leave --force
```

```
Node left the swarm.
```

```
[node1] (local) root@192.168.0.23 ~
```

```
$
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/#
```

```
root@3dc75dbc7fc1:/# ping -c5 myservice
```

```
PING myservice (10.0.0.4) 56(84) bytes of data.
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
```

```
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms
```

```
--- myservice ping statistics ---
```

```
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
```

```
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
```

```
root@3dc75dbc7fc1:/# [node2] (local) root@192.168.0.22 ~
```

```
$ docker swarm leave --force
```

```
Node left the swarm.
```

```
[node2] (local) root@192.168.0.22 ~
```

```
$
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```

docker          docker-containerd-ctr  docker-init      docker-proxy      dockerd-entrypoint.sh
docker-compose  docker-containerd-shim  docker-machine   docker-runc
docker-containerd  docker-entrypoint.sh  docker-prompt    dockerd

[node1] (local) root@192.168.0.23 ~
$ docker service
create    inspect  logs     ls        ps        rm        rollback  scale    update
[node1] (local) root@192.168.0.23 ~
$
[node1] (local) root@192.168.0.23 ~
$ docker swarm leave --force
Node left the swarm.
[node1] (local) root@192.168.0.23 ~
$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
ebfb29b94a47       nginx              "nginx -g 'daemon of..." 30 minutes ago      Up 30 minutes      0.0.0.0:8080->80/tcp  web1
[node1] (local) root@192.168.0.23 ~
$ docker kill web1
web1
[node1] (local) root@192.168.0.23 ~
$

```

```

root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/#
root@3dc75dbc7fc1:/# ping -c5 myservice
PING myservice (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=1 ttl=64 time=0.155 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=2 ttl=64 time=0.052 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=3 ttl=64 time=0.077 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=4 ttl=64 time=0.088 ms
64 bytes from 10.0.0.4 (10.0.0.4): icmp_seq=5 ttl=64 time=0.085 ms

--- myservice ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3999ms
rtt min/avg/max/mdev = 0.052/0.091/0.155/0.035 ms
root@3dc75dbc7fc1:/# [node2] (local) root@192.168.0.22 ~
$ docker swarm leave --force
Node left the swarm.
[node2] (local) root@192.168.0.22 ~
$

```