

## Installation.log

```
C:\Learning\mmumshad-kubernetes-the-hard-way-master\vagrant>Vagrant up
Bringing machine 'master-1' up with 'virtualbox' provider...
Bringing machine 'master-2' up with 'virtualbox' provider...
Bringing machine 'loadbalancer' up with 'virtualbox' provider...
Bringing machine 'worker-1' up with 'virtualbox' provider...
Bringing machine 'worker-2' up with 'virtualbox' provider...
==> master-1: Box 'ubuntu/bionic64' could not be found. Attempting to find and
install...
    master-1: Box Provider: virtualbox
    master-1: Box Version: >= 0
==> master-1: Loading metadata for box 'ubuntu/bionic64'
    master-1: URL: https://vagrantcloud.com/ubuntu/bionic64
==> master-1: Adding box 'ubuntu/bionic64' (v20200916.0.0) for provider:
virtualbox
    master-1: Downloading:
https://vagrantcloud.com/ubuntu/boxes/bionic64/versions/20200916.0.0/providers/vi
rtualbox.box
Download redirected to host: cloud-images.ubuntu.com
    master-1:
==> master-1: Successfully added box 'ubuntu/bionic64' (v20200916.0.0) for
'virtualbox'!
==> master-1: Importing base box 'ubuntu/bionic64'...
==> master-1: Matching MAC address for NAT networking...
==> master-1: Setting the name of the VM: kubernetes-ha-master-1
Vagrant is currently configured to create VirtualBox synced folders with
the `SharedFoldersEnableSymlinksCreate` option enabled. If the Vagrant
guest is not trusted, you may want to disable this option. For more
information on this option, please refer to the VirtualBox manual:

    https://www.virtualbox.org/manual/ch04.html#sharedfolders

This option can be disabled globally with an environment variable:

    VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

    config.vm.synced_folder '/host/path', '/guest/path',
SharedFoldersEnableSymlinksCreate: false
==> master-1: Clearing any previously set network interfaces...
==> master-1: Preparing network interfaces based on configuration...
    master-1: Adapter 1: nat
    master-1: Adapter 2: hostonly
==> master-1: Forwarding ports...
    master-1: 22 (guest) => 2711 (host) (adapter 1)
    master-1: 22 (guest) => 2222 (host) (adapter 1)
==> master-1: Running 'pre-boot' VM customizations...
==> master-1: Booting VM...
==> master-1: Waiting for machine to boot. This may take a few minutes...
    master-1: SSH address: 127.0.0.1:2222
    master-1: SSH username: vagrant
    master-1: SSH auth method: private key
```

## Installation.log

```
master-1: Warning: Connection reset. Retrying...
master-1: Warning: Connection aborted. Retrying...
master-1: Warning: Remote connection disconnect. Retrying...
master-1:
master-1: Vagrant insecure key detected. Vagrant will automatically replace
master-1: this with a newly generated keypair for better security.
master-1:
master-1: Inserting generated public key within guest...
master-1: Removing insecure key from the guest if it's present...
master-1: Key inserted! Disconnecting and reconnecting using new SSH key...
==> master-1: Machine booted and ready!
==> master-1: Checking for guest additions in VM...
master-1: The guest additions on this VM do not match the installed version
of
master-1: VirtualBox! In most cases this is fine, but in rare cases it can
master-1: prevent things such as shared folders from working properly. If you
see
master-1: shared folder errors, please make sure the guest additions within
the
master-1: virtual machine match the version of VirtualBox you have installed
on
master-1: your host and reload your VM.
master-1:
master-1: Guest Additions Version: 5.2.42
master-1: VirtualBox Version: 6.1
==> master-1: Setting hostname...
==> master-1: Configuring and enabling network interfaces...
==> master-1: Mounting shared folders...
master-1: /vagrant =>
C:/Learning/mumshad-kubernetes-the-hard-way-master/vagrant
==> master-1: Running provisioner: setup-hosts (shell)...
master-1: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-6qbwsc.sh
==> master-1: Running provisioner: setup-dns (shell)...
master-1: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-5dxdm4.sh
==> master-2: Box 'ubuntu/bionic64' could not be found. Attempting to find and
install...
master-2: Box Provider: virtualbox
master-2: Box Version: >= 0
==> master-2: Loading metadata for box 'ubuntu/bionic64'
master-2: URL: https://vagrantcloud.com/ubuntu/bionic64
==> master-2: Adding box 'ubuntu/bionic64' (v20200916.0.0) for provider:
virtualbox
==> master-2: Importing base box 'ubuntu/bionic64'...
==> master-2: Matching MAC address for NAT networking...
==> master-2: Setting the name of the VM: kubernetes-ha-master-2
==> master-2: Fixed port collision for 22 => 2222. Now on port 2200.
==> master-2: Clearing any previously set network interfaces...
==> master-2: Preparing network interfaces based on configuration...
master-2: Adapter 1: nat
master-2: Adapter 2: hostonly
```

## Installation.log

```
==> master-2: Forwarding ports...
  master-2: 22 (guest) => 2712 (host) (adapter 1)
  master-2: 22 (guest) => 2200 (host) (adapter 1)
==> master-2: Running 'pre-boot' VM customizations...
==> master-2: Booting VM...
==> master-2: Waiting for machine to boot. This may take a few minutes...
  master-2: SSH address: 127.0.0.1:2200
  master-2: SSH username: vagrant
  master-2: SSH auth method: private key
  master-2:
  master-2: Vagrant insecure key detected. Vagrant will automatically replace
  master-2: this with a newly generated keypair for better security.
  master-2:
  master-2: Inserting generated public key within guest...
  master-2: Removing insecure key from the guest if it's present...
  master-2: Key inserted! Disconnecting and reconnecting using new SSH key...
==> master-2: Machine booted and ready!
==> master-2: Checking for guest additions in VM...
  master-2: The guest additions on this VM do not match the installed version
of
  master-2: VirtualBox! In most cases this is fine, but in rare cases it can
  master-2: prevent things such as shared folders from working properly. If you
see
  master-2: shared folder errors, please make sure the guest additions within
the
  master-2: virtual machine match the version of VirtualBox you have installed
on
  master-2: your host and reload your VM.
  master-2:
  master-2: Guest Additions Version: 5.2.42
  master-2: VirtualBox Version: 6.1
==> master-2: Setting hostname...
==> master-2: Configuring and enabling network interfaces...
==> master-2: Mounting shared folders...
  master-2: /vagrant =>
C:/Learning/mmumshad-kubernetes-the-hard-way-master/vagrant
==> master-2: Running provisioner: setup-hosts (shell)...
  master-2: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-1dvmwbz.sh
==> master-2: Running provisioner: setup-dns (shell)...
  master-2: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-1tesl6t.sh
==> loadbalancer: Box 'ubuntu/bionic64' could not be found. Attempting to find
and install...
  loadbalancer: Box Provider: virtualbox
  loadbalancer: Box Version: >= 0
==> loadbalancer: Loading metadata for box 'ubuntu/bionic64'
  loadbalancer: URL: https://vagrantcloud.com/ubuntu/bionic64
==> loadbalancer: Adding box 'ubuntu/bionic64' (v20200916.0.0) for provider:
virtualbox
==> loadbalancer: Importing base box 'ubuntu/bionic64'...
==> loadbalancer: Matching MAC address for NAT networking...
```

### Installation.log

```
==> loadbalancer: Setting the name of the VM: kubernetes-ha-lb
==> loadbalancer: Fixed port collision for 22 => 2222. Now on port 2201.
==> loadbalancer: Clearing any previously set network interfaces...
==> loadbalancer: Preparing network interfaces based on configuration...
    loadbalancer: Adapter 1: nat
    loadbalancer: Adapter 2: hostonly
==> loadbalancer: Forwarding ports...
    loadbalancer: 22 (guest) => 2730 (host) (adapter 1)
    loadbalancer: 22 (guest) => 2201 (host) (adapter 1)
==> loadbalancer: Running 'pre-boot' VM customizations...
==> loadbalancer: Booting VM...
==> loadbalancer: Waiting for machine to boot. This may take a few minutes...
    loadbalancer: SSH address: 127.0.0.1:2201
    loadbalancer: SSH username: vagrant
    loadbalancer: SSH auth method: private key
    loadbalancer: Warning: Connection reset. Retrying...
    loadbalancer: Warning: Connection aborted. Retrying...
    loadbalancer: Warning: Remote connection disconnect. Retrying...
    loadbalancer:
    loadbalancer: Vagrant insecure key detected. Vagrant will automatically
replace
    loadbalancer: this with a newly generated keypair for better security.
    loadbalancer:
    loadbalancer: Inserting generated public key within guest...
    loadbalancer: Removing insecure key from the guest if it's present...
    loadbalancer: Key inserted! Disconnecting and reconnecting using new SSH
key...
==> loadbalancer: Machine booted and ready!
==> loadbalancer: Checking for guest additions in VM...
    loadbalancer: The guest additions on this VM do not match the installed
version of
    loadbalancer: VirtualBox! In most cases this is fine, but in rare cases it
can
    loadbalancer: prevent things such as shared folders from working properly. If
you see
    loadbalancer: shared folder errors, please make sure the guest additions
within the
    loadbalancer: virtual machine match the version of VirtualBox you have
installed on
    loadbalancer: your host and reload your VM.
    loadbalancer:
    loadbalancer: Guest Additions Version: 5.2.42
    loadbalancer: VirtualBox Version: 6.1
==> loadbalancer: Setting hostname...
==> loadbalancer: Configuring and enabling network interfaces...
==> loadbalancer: Mounting shared folders...
    loadbalancer: /vagrant =>
C:/Learning/mumshad-kubernetes-the-hard-way-master/vagrant
==> loadbalancer: Running provisioner: setup-hosts (shell)...
    loadbalancer: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell120200919-15596-15qtz96.sh
==> loadbalancer: Running provisioner: setup-dns (shell)...
```

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```
loadbalancer: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell120200919-15596-jnv1ac.sh
==> worker-1: Box 'ubuntu/bionic64' could not be found. Attempting to find and
install...
worker-1: Box Provider: virtualbox
worker-1: Box Version: >= 0
==> worker-1: Loading metadata for box 'ubuntu/bionic64'
worker-1: URL: https://vagrantcloud.com/ubuntu/bionic64
==> worker-1: Adding box 'ubuntu/bionic64' (v20200916.0.0) for provider:
virtualbox
==> worker-1: Importing base box 'ubuntu/bionic64'...
==> worker-1: Matching MAC address for NAT networking...
==> worker-1: Setting the name of the VM: kubernetes-ha-worker-1
==> worker-1: Fixed port collision for 22 => 2222. Now on port 2202.
==> worker-1: Clearing any previously set network interfaces...
==> worker-1: Preparing network interfaces based on configuration...
worker-1: Adapter 1: nat
worker-1: Adapter 2: hostonly
==> worker-1: Forwarding ports...
worker-1: 22 (guest) => 2721 (host) (adapter 1)
worker-1: 22 (guest) => 2202 (host) (adapter 1)
==> worker-1: Running 'pre-boot' VM customizations...
==> worker-1: Booting VM...
==> worker-1: Waiting for machine to boot. This may take a few minutes...
worker-1: SSH address: 127.0.0.1:2202
worker-1: SSH username: vagrant
worker-1: SSH auth method: private key
worker-1: Warning: Connection reset. Retrying...
worker-1: Warning: Connection aborted. Retrying...
worker-1: Warning: Remote connection disconnect. Retrying...
worker-1:
worker-1: Vagrant insecure key detected. Vagrant will automatically replace
worker-1: this with a newly generated keypair for better security.
worker-1:
worker-1: Inserting generated public key within guest...
worker-1: Removing insecure key from the guest if it's present...
worker-1: Key inserted! Disconnecting and reconnecting using new SSH key...
==> worker-1: Machine booted and ready!
==> worker-1: Checking for guest additions in VM...
worker-1: The guest additions on this VM do not match the installed version
of
worker-1: VirtualBox! In most cases this is fine, but in rare cases it can
worker-1: prevent things such as shared folders from working properly. If you
see
worker-1: shared folder errors, please make sure the guest additions within
the
worker-1: virtual machine match the version of VirtualBox you have installed
on
worker-1: your host and reload your VM.
worker-1:
worker-1: Guest Additions Version: 5.2.42
worker-1: VirtualBox Version: 6.1
```

## Installation.log

```
==> worker-1: Setting hostname...
==> worker-1: Configuring and enabling network interfaces...
==> worker-1: Mounting shared folders...
    worker-1: /vagrant =>
C:/Learning/mmumshad-kubernetes-the-hard-way-master/vagrant
==> worker-1: Running provisioner: setup-hosts (shell)...
    worker-1: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-1wzu9b8.sh
==> worker-1: Running provisioner: setup-dns (shell)...
    worker-1: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-1vrp8s9.sh
==> worker-1: Running provisioner: install-docker (shell)...
    worker-1: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-tkd66g.sh
    worker-1: Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
    worker-1: Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease
[88.7 kB]
    worker-1: Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
[88.7 kB]
    worker-1: Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
[74.6 kB]
    worker-1: Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64
Packages [853 kB]
    worker-1: Get:6 http://archive.ubuntu.com/ubuntu bionic/universe amd64
Packages [8570 kB]
    worker-1: Get:7 http://security.ubuntu.com/ubuntu bionic-security/main
Translation-en [266 kB]
    worker-1: Get:8 http://security.ubuntu.com/ubuntu bionic-security/universe
amd64 Packages [705 kB]
    worker-1: Get:9 http://security.ubuntu.com/ubuntu bionic-security/universe
Translation-en [234 kB]
    worker-1: Get:10 http://security.ubuntu.com/ubuntu bionic-security/multiverse
amd64 Packages [8512 B]
    worker-1: Get:11 http://security.ubuntu.com/ubuntu
bionic-security/multiverse Translation-en [2908 B]
    worker-1: Get:12
http://archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
    worker-1: Get:13 http://archive.ubuntu.com/ubuntu bionic/multiverse amd64
Packages [151 kB]
    worker-1: Get:14 http://archive.ubuntu.com/ubuntu bionic/multiverse
Translation-en [108 kB]
    worker-1: Get:15 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64
Packages [1073 kB]
    worker-1: Get:16 http://archive.ubuntu.com/ubuntu bionic-updates/main
Translation-en [356 kB]
    worker-1: Get:17 http://archive.ubuntu.com/ubuntu bionic-updates/universe
amd64 Packages [1111 kB]
    worker-1: Get:18 http://archive.ubuntu.com/ubuntu bionic-updates/universe
Translation-en [347 kB]
    worker-1: Get:19 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse
amd64 Packages [19.6 kB]
    worker-1: Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse
Translation-en [6768 B]
    worker-1: Get:21 http://archive.ubuntu.com/ubuntu bionic-backports/main amd64
```

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Packages [7516 B]

worker-1: Get:22 <http://archive.ubuntu.com/ubuntu> bionic-backports/main

Translation-en [4764 B]

worker-1: Get:23 <http://archive.ubuntu.com/ubuntu> bionic-backports/universe

amd64 Packages [7736 B]

worker-1: Get:24 <http://archive.ubuntu.com/ubuntu> bionic-backports/universe

Translation-en [4588 B]

worker-1: Fetched 19.0 MB in 59s (321 kB/s)

worker-1: Reading package lists...

worker-1: Reading package lists...

worker-1: Building dependency tree...

worker-1: Reading state information...

worker-1: ca-certificates is already the newest version (20190110~18.04.1).

worker-1: ca-certificates set to manually installed.

worker-1: curl is already the newest version (7.58.0-2ubuntu3.10).

worker-1: curl set to manually installed.

worker-1: software-properties-common is already the newest version (0.96.24.32.14).

worker-1: software-properties-common set to manually installed.

worker-1: The following NEW packages will be installed:

worker-1: apt-transport-https

worker-1: 0 upgraded, 1 newly installed, 0 to remove and 21 not upgraded.

worker-1: Need to get 1692 B of archives.

worker-1: After this operation, 153 kB of additional disk space will be used.

worker-1: Get:1 <http://archive.ubuntu.com/ubuntu> bionic-updates/universe

amd64 apt-transport-https all 1.6.12ubuntu0.1 [1692 B]

worker-1: dpkg-preconfigure: unable to re-open stdin: No such file or directory

worker-1: Fetched 1692 B in 0s (4325 B/s)

worker-1: Selecting previously unselected package apt-transport-https.

worker-1: (Reading database ...

worker-1: (Reading database ... 5%

worker-1: (Reading database ... 10%

worker-1: (Reading database ... 15%

worker-1: (Reading database ... 20%

worker-1: (Reading database ... 25%

worker-1: (Reading database ... 30%

worker-1: (Reading database ... 35%

worker-1: (Reading database ... 40%

worker-1: (Reading database ... 45%

worker-1: (Reading database ... 50%

worker-1: (Reading database ... 55%

worker-1: (Reading database ... 60%

worker-1: (Reading database ... 65%

worker-1: (Reading database ... 70%

worker-1: (Reading database ... 75%

worker-1: (Reading database ... 80%

worker-1: (Reading database ... 85%

worker-1: (Reading database ... 90%

worker-1: (Reading database ... 95%

worker-1: (Reading database ... 100%

worker-1: (Reading database ...

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```
worker-1: 59812 files and directories currently installed.)
worker-1: Preparing to unpack ../apt-transport-https_1.6.12ubuntu0.1_all.deb
...
worker-1: Unpacking apt-transport-https (1.6.12ubuntu0.1) ...
worker-1: Setting up apt-transport-https (1.6.12ubuntu0.1) ...
worker-1: Warning: apt-key output should not be parsed (stdout is not a
terminal)
worker-1: OK
worker-1: Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
worker-1: Hit:2 http://security.ubuntu.com/ubuntu bionic-security InRelease
worker-1: Hit:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
worker-1: Hit:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
worker-1: Get:5 https://download.docker.com/linux/ubuntu bionic InRelease
[64.4 kB]
worker-1: Get:6 https://download.docker.com/linux/ubuntu bionic/stable amd64
Packages [13.0 kB]
worker-1: Fetched 77.4 kB in 1s (56.3 kB/s)
worker-1: Reading package lists...
worker-1: Hit:1 https://download.docker.com/linux/ubuntu bionic InRelease
worker-1: Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
worker-1: Hit:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
worker-1: Hit:4 http://security.ubuntu.com/ubuntu bionic-security InRelease
worker-1: Hit:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
worker-1: Reading package lists...
worker-1: Reading package lists...
worker-1: Building dependency tree...
worker-1: Reading state information...
worker-1: The following additional packages will be installed:
worker-1: aufs-tools cgroupfs-mount libltdl7 pigz
worker-1: The following NEW packages will be installed:
worker-1: aufs-tools cgroupfs-mount docker-ce libltdl7 pigz
worker-1: 0 upgraded, 5 newly installed, 0 to remove and 21 not upgraded.
worker-1: Need to get 40.4 MB of archives.
worker-1: After this operation, 199 MB of additional disk space will be used.
worker-1: Get:1 https://download.docker.com/linux/ubuntu bionic/stable amd64
docker-ce amd64 18.06.3~ce~3-0~ubuntu [40.2 MB]
worker-1: Get:2 http://archive.ubuntu.com/ubuntu bionic/universe amd64 pigz
amd64 2.4-1 [57.4 kB]
worker-1: Get:3 http://archive.ubuntu.com/ubuntu bionic/universe amd64
aufs-tools amd64 1:4.9+20170918-1ubuntu1 [104 kB]
worker-1: Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64
cgroupfs-mount all 1.4 [6320 B]
worker-1: Get:5 http://archive.ubuntu.com/ubuntu bionic/main amd64 libltdl7
amd64 2.4.6-2 [38.8 kB]
worker-1: dpkg-preconfigure: unable to re-open stdin: No such file or
directory
worker-1: Fetched 40.4 MB in 18s (2237 kB/s)
worker-1: Selecting previously unselected package pigz.
worker-1: (Reading database ...
worker-1: (Reading database ... 5%
worker-1: (Reading database ... 10%
worker-1: (Reading database ... 15%
```



## Installation.log

```
worker-1: (Reading database ... 20%
worker-1: (Reading database ... 25%
worker-1: (Reading database ... 30%
worker-1: (Reading database ... 35%
worker-1: (Reading database ... 40%
worker-1: (Reading database ... 45%
worker-1: (Reading database ... 50%
worker-1: (Reading database ... 55%
worker-1: (Reading database ... 60%
worker-1: (Reading database ... 65%
worker-1: (Reading database ... 70%
worker-1: (Reading database ... 75%
worker-1: (Reading database ... 80%
worker-1: (Reading database ... 85%
worker-1: (Reading database ... 90%
worker-1: (Reading database ... 95%
worker-1: (Reading database ... 100%
worker-1: (Reading database ...
worker-1: 59816 files and directories currently installed.)
worker-1: Preparing to unpack .../archives/pigz_2.4-1_amd64.deb ...
worker-1: Unpacking pigz (2.4-1) ...
worker-1: Selecting previously unselected package aufs-tools.
worker-1: Preparing to unpack
.../aufs-tools_1%3a4.9+20170918-1ubuntu1_amd64.deb ...
worker-1: Unpacking aufs-tools (1:4.9+20170918-1ubuntu1) ...
worker-1: Selecting previously unselected package cgroupfs-mount.
worker-1: Preparing to unpack .../cgroupfs-mount_1.4_all.deb ...
worker-1: Unpacking cgroupfs-mount (1.4) ...
worker-1: Selecting previously unselected package libltdl7:amd64.
worker-1: Preparing to unpack .../libltdl7_2.4.6-2_amd64.deb ...
worker-1: Unpacking libltdl7:amd64 (2.4.6-2) ...
worker-1: Selecting previously unselected package docker-ce.
worker-1: Preparing to unpack .../docker-ce_18.06.3~ce~3-0~ubuntu_amd64.deb
...
worker-1: Unpacking docker-ce (18.06.3~ce~3-0~ubuntu) ...
worker-1: Setting up aufs-tools (1:4.9+20170918-1ubuntu1) ...
worker-1: Setting up cgroupfs-mount (1.4) ...
worker-1: Setting up libltdl7:amd64 (2.4.6-2) ...
worker-1: Setting up pigz (2.4-1) ...
worker-1: Setting up docker-ce (18.06.3~ce~3-0~ubuntu) ...
worker-1: Created symlink
/etc/systemd/system/multi-user.target.wants/docker.service ?
/lib/systemd/system/docker.service.
worker-1: Created symlink
/etc/systemd/system/sockets.target.wants/docker.socket ?
/lib/systemd/system/docker.socket.
worker-1: Processing triggers for libc-bin (2.27-3ubuntu1.2) ...
worker-1: Processing triggers for systemd (237-3ubuntu10.42) ...
worker-1: Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
worker-1: Processing triggers for ureadahead (0.100.0-21) ...
==> worker-1: Running provisioner: allow-bridge-nf-traffic (shell)...
worker-1: Running:
```

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C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell120200919-15596-3rvrto.sh

worker-1: net.bridge.bridge-nf-call-iptables = 1

==> worker-2: Box 'ubuntu/bionic64' could not be found. Attempting to find and install...

worker-2: Box Provider: virtualbox

worker-2: Box Version: >= 0

==> worker-2: Loading metadata for box 'ubuntu/bionic64'

worker-2: URL: https://vagrantcloud.com/ubuntu/bionic64

==> worker-2: Adding box 'ubuntu/bionic64' (v20200916.0.0) for provider: virtualbox

==> worker-2: Importing base box 'ubuntu/bionic64'...

==> worker-2: Matching MAC address for NAT networking...

==> worker-2: Setting the name of the VM: kubernetes-ha-worker-2

==> worker-2: Fixed port collision for 22 => 2222. Now on port 2203.

==> worker-2: Clearing any previously set network interfaces...

==> worker-2: Preparing network interfaces based on configuration...

worker-2: Adapter 1: nat

worker-2: Adapter 2: hostonly

==> worker-2: Forwarding ports...

worker-2: 22 (guest) => 2722 (host) (adapter 1)

worker-2: 22 (guest) => 2203 (host) (adapter 1)

==> worker-2: Running 'pre-boot' VM customizations...

==> worker-2: Booting VM...

==> worker-2: Waiting for machine to boot. This may take a few minutes...

worker-2: SSH address: 127.0.0.1:2203

worker-2: SSH username: vagrant

worker-2: SSH auth method: private key

worker-2: Warning: Connection reset. Retrying...

worker-2: Warning: Connection aborted. Retrying...

worker-2: Warning: Remote connection disconnect. Retrying...

worker-2:

worker-2: Vagrant insecure key detected. Vagrant will automatically replace

worker-2: this with a newly generated keypair for better security.

worker-2:

worker-2: Inserting generated public key within guest...

worker-2: Removing insecure key from the guest if it's present...

worker-2: Key inserted! Disconnecting and reconnecting using new SSH key...

==> worker-2: Machine booted and ready!

==> worker-2: Checking for guest additions in VM...

worker-2: The guest additions on this VM do not match the installed version of

worker-2: VirtualBox! In most cases this is fine, but in rare cases it can prevent things such as shared folders from working properly. If you

see

worker-2: shared folder errors, please make sure the guest additions within the

worker-2: virtual machine match the version of VirtualBox you have installed on

worker-2: your host and reload your VM.

worker-2:

worker-2: Guest Additions Version: 5.2.42

worker-2: VirtualBox Version: 6.1

## Installation.log

```
==> worker-2: Setting hostname...
==> worker-2: Configuring and enabling network interfaces...
==> worker-2: Mounting shared folders...
    worker-2: /vagrant =>
C:/Learning/mmumshad-kubernetes-the-hard-way-master/vagrant
==> worker-2: Running provisioner: setup-hosts (shell)...
    worker-2: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-lobt6n.sh
==> worker-2: Running provisioner: setup-dns (shell)...
    worker-2: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-7szkga.sh
==> worker-2: Running provisioner: install-docker (shell)...
    worker-2: Running:
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell20200919-15596-uvmcnq.sh
    worker-2: Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
    worker-2: Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease
[88.7 kB]
    worker-2: Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
[88.7 kB]
    worker-2: Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
[74.6 kB]
    worker-2: Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64
Packages [853 kB]
    worker-2: Get:6 http://archive.ubuntu.com/ubuntu bionic/universe amd64
Packages [8570 kB]
    worker-2: Get:7 http://security.ubuntu.com/ubuntu bionic-security/main
Translation-en [266 kB]
    worker-2: Get:8 http://security.ubuntu.com/ubuntu bionic-security/universe
amd64 Packages [705 kB]
    worker-2: Get:9 http://security.ubuntu.com/ubuntu bionic-security/universe
Translation-en [234 kB]
    worker-2: Get:10 http://security.ubuntu.com/ubuntu bionic-security/multiverse
amd64 Packages [8512 B]
    worker-2: Get:11 http://security.ubuntu.com/ubuntu
bionic-security/multiverse Translation-en [2908 B]
    worker-2: Get:12
http://archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
    worker-2: Get:13 http://archive.ubuntu.com/ubuntu bionic/multiverse amd64
Packages [151 kB]
    worker-2: Get:14 http://archive.ubuntu.com/ubuntu bionic/multiverse
Translation-en [108 kB]
    worker-2: Get:15 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64
Packages [1073 kB]
    worker-2: Get:16 http://archive.ubuntu.com/ubuntu bionic-updates/main
Translation-en [356 kB]
    worker-2: Get:17 http://archive.ubuntu.com/ubuntu bionic-updates/universe
amd64 Packages [1111 kB]
    worker-2: Get:18 http://archive.ubuntu.com/ubuntu bionic-updates/universe
Translation-en [347 kB]
    worker-2: Get:19 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse
amd64 Packages [19.6 kB]
    worker-2: Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse
Translation-en [6768 B]
    worker-2: Get:21 http://archive.ubuntu.com/ubuntu bionic-backports/main amd64
```

## Installation.log

Packages [7516 B]

worker-2: Get:22 <http://archive.ubuntu.com/ubuntu> bionic-backports/main

Translation-en [4764 B]

worker-2: Get:23 <http://archive.ubuntu.com/ubuntu> bionic-backports/universe

amd64 Packages [7736 B]

worker-2: Get:24 <http://archive.ubuntu.com/ubuntu> bionic-backports/universe

Translation-en [4588 B]

worker-2: Fetched 19.0 MB in 1min 18s (245 kB/s)

worker-2: Reading package lists...

worker-2: Reading package lists...

worker-2: Building dependency tree...

worker-2: Reading state information...

worker-2: ca-certificates is already the newest version (20190110~18.04.1).

worker-2: ca-certificates set to manually installed.

worker-2: curl is already the newest version (7.58.0-2ubuntu3.10).

worker-2: curl set to manually installed.

worker-2: software-properties-common is already the newest version (0.96.24.32.14).

worker-2: software-properties-common set to manually installed.

worker-2: The following NEW packages will be installed:

worker-2: apt-transport-https

worker-2: 0 upgraded, 1 newly installed, 0 to remove and 21 not upgraded.

worker-2: Need to get 1692 B of archives.

worker-2: After this operation, 153 kB of additional disk space will be used.

worker-2: Get:1 <http://archive.ubuntu.com/ubuntu> bionic-updates/universe

amd64 apt-transport-https all 1.6.12ubuntu0.1 [1692 B]

worker-2: dpkg-preconfigure: unable to re-open stdin: No such file or directory

worker-2: Fetched 1692 B in 1s (1345 B/s)

worker-2: Selecting previously unselected package apt-transport-https.

worker-2: (Reading database ...

worker-2: (Reading database ... 5%

worker-2: (Reading database ... 10%

worker-2: (Reading database ... 15%

worker-2: (Reading database ... 20%

worker-2: (Reading database ... 25%

worker-2: (Reading database ... 30%

worker-2: (Reading database ... 35%

worker-2: (Reading database ... 40%

worker-2: (Reading database ... 45%

worker-2: (Reading database ... 50%

worker-2: (Reading database ... 55%

worker-2: (Reading database ... 60%

worker-2: (Reading database ... 65%

worker-2: (Reading database ... 70%

worker-2: (Reading database ... 75%

worker-2: (Reading database ... 80%

worker-2: (Reading database ... 85%

worker-2: (Reading database ... 90%

worker-2: (Reading database ... 95%

worker-2: (Reading database ... 100%

worker-2: (Reading database ...

## Installation.log

```
worker-2: 59812 files and directories currently installed.)
worker-2: Preparing to unpack ../apt-transport-https_1.6.12ubuntu0.1_all.deb
...
worker-2: Unpacking apt-transport-https (1.6.12ubuntu0.1) ...
worker-2: Setting up apt-transport-https (1.6.12ubuntu0.1) ...
worker-2: Warning: apt-key output should not be parsed (stdout is not a
terminal)
worker-2: OK
worker-2: Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
worker-2: Get:2 https://download.docker.com/linux/ubuntu bionic InRelease
[64.4 kB]
worker-2: Hit:3 http://security.ubuntu.com/ubuntu bionic-security InRelease
worker-2: Hit:4 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
worker-2: Hit:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
worker-2: Get:6 https://download.docker.com/linux/ubuntu bionic/stable amd64
Packages [13.0 kB]
worker-2: Fetched 77.4 kB in 1s (68.3 kB/s)
worker-2: Reading package lists...
worker-2: Hit:1 https://download.docker.com/linux/ubuntu bionic InRelease
worker-2: Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
worker-2: Hit:3 http://security.ubuntu.com/ubuntu bionic-security InRelease
worker-2: Hit:4 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
worker-2: Hit:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
worker-2: Reading package lists...
worker-2: Reading package lists...
worker-2: Building dependency tree...
worker-2: Reading state information...
worker-2: The following additional packages will be installed:
worker-2: aufs-tools cgroupfs-mount libltdl7 pigz
worker-2: The following NEW packages will be installed:
worker-2: aufs-tools cgroupfs-mount docker-ce libltdl7 pigz
worker-2: 0 upgraded, 5 newly installed, 0 to remove and 21 not upgraded.
worker-2: Need to get 40.4 MB of archives.
worker-2: After this operation, 199 MB of additional disk space will be used.
worker-2: Get:1 https://download.docker.com/linux/ubuntu bionic/stable amd64
docker-ce amd64 18.06.3~ce~3-0~ubuntu [40.2 MB]
worker-2: Get:2 http://archive.ubuntu.com/ubuntu bionic/universe amd64 pigz
amd64 2.4-1 [57.4 kB]
worker-2: Get:3 http://archive.ubuntu.com/ubuntu bionic/universe amd64
aufs-tools amd64 1:4.9+20170918-1ubuntu1 [104 kB]
worker-2: Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64
cgroupfs-mount all 1.4 [6320 B]
worker-2: Get:5 http://archive.ubuntu.com/ubuntu bionic/main amd64 libltdl7
amd64 2.4.6-2 [38.8 kB]
worker-2: dpkg-preconfigure: unable to re-open stdin: No such file or
directory
worker-2: Fetched 40.4 MB in 16s (2595 kB/s)
worker-2: Selecting previously unselected package pigz.
worker-2: (Reading database ...
worker-2: (Reading database ... 5%
worker-2: (Reading database ... 10%
worker-2: (Reading database ... 15%
```

## Installation.log

```
worker-2: (Reading database ... 20%
worker-2: (Reading database ... 25%
worker-2: (Reading database ... 30%
worker-2: (Reading database ... 35%
worker-2: (Reading database ... 40%
worker-2: (Reading database ... 45%
worker-2: (Reading database ... 50%
worker-2: (Reading database ... 55%
worker-2: (Reading database ... 60%
worker-2: (Reading database ... 65%
worker-2: (Reading database ... 70%
worker-2: (Reading database ... 75%
worker-2: (Reading database ... 80%
worker-2: (Reading database ... 85%
worker-2: (Reading database ... 90%
worker-2: (Reading database ... 95%
worker-2: (Reading database ... 100%
worker-2: (Reading database ...
worker-2: 59816 files and directories currently installed.)
worker-2: Preparing to unpack .../archives/pigz_2.4-1_amd64.deb ...
worker-2: Unpacking pigz (2.4-1) ...
worker-2: Selecting previously unselected package aufs-tools.
worker-2: Preparing to unpack
.../aufs-tools_1%3a4.9+20170918-1ubuntu1_amd64.deb ...
worker-2: Unpacking aufs-tools (1:4.9+20170918-1ubuntu1) ...
worker-2: Selecting previously unselected package cgroupfs-mount.
worker-2: Preparing to unpack .../cgroupfs-mount_1.4_all.deb ...
worker-2: Unpacking cgroupfs-mount (1.4) ...
worker-2: Selecting previously unselected package libltdl7:amd64.
worker-2: Preparing to unpack .../libltdl7_2.4.6-2_amd64.deb ...
worker-2: Unpacking libltdl7:amd64 (2.4.6-2) ...
worker-2: Selecting previously unselected package docker-ce.
worker-2: Preparing to unpack .../docker-ce_18.06.3~ce~3-0~ubuntu_amd64.deb
...
worker-2: Unpacking docker-ce (18.06.3~ce~3-0~ubuntu) ...
worker-2: Setting up aufs-tools (1:4.9+20170918-1ubuntu1) ...
worker-2: Setting up cgroupfs-mount (1.4) ...
worker-2: Setting up libltdl7:amd64 (2.4.6-2) ...
worker-2: Setting up pigz (2.4-1) ...
worker-2: Setting up docker-ce (18.06.3~ce~3-0~ubuntu) ...
worker-2: Created symlink
/etc/systemd/system/multi-user.target.wants/docker.service ?
/lib/systemd/system/docker.service.
worker-2: Created symlink
/etc/systemd/system/sockets.target.wants/docker.socket ?
/lib/systemd/system/docker.socket.
worker-2: Processing triggers for libc-bin (2.27-3ubuntu1.2) ...
worker-2: Processing triggers for systemd (237-3ubuntu10.42) ...
worker-2: Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
worker-2: Processing triggers for ureadahead (0.100.0-21) ...
==> worker-2: Running provisioner: allow-bridge-nf-traffic (shell)...
worker-2: Running:
```

Installation.log

```
C:/Users/Z02799~1/AppData/Local/Temp/vagrant-shell120200919-15596-d4foqr.sh  
worker-2: net.bridge.bridge-nf-call-iptables = 1
```

```
C:\Learning\mmumshad-kubernetes-the-hard-way-master\vagrant>vagrant ssh master-1  
vagrant@127.0.0.1: Permission denied (publickey).
```