

```
login as: ubuntu
Authenticating with public key "Imported-Openssh-Key:
C:\\Users\\amit.rahate\\Downloads\\amit-centaurus-awskeypair.pem"
```

```
• MobaXterm Personal Edition v21.3 •
(SSH client, X server and network tools)

→ SSH session to ubuntu@52.12.77.116
• Direct SSH      : v
• SSH compression : v
• SSH-browser     : v
• X11-forwarding  : v (remote display is forwarded through SSH)

→ For more info, ctrl+click on help or visit our website.
```

```
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.4.0-1045-aws x86_64)
```

```
* Documentation: https://help.ubuntu.com
* Management:   https://landscape.canonical.com
* Support:      https://ubuntu.com/advantage
```

```
System information as of Wed Oct 13 07:10:38 UTC 2021
```

```
System load: 0.08          Processes:            145
Usage of /: 0.9% of 125.96GB Users logged in:      0
Memory usage: 0%          IP address for eth0: 172.31.28.218
Swap usage: 0%
```

```
0 packages can be updated.
0 of these updates are security updates.
```

```
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
```

```
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
```

```
/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
ubuntu@ip-172-31-28-218:~$ uname -a
Linux ip-172-31-28-218 5.4.0-1045-aws #47~18.04.1-Ubuntu SMP Tue Apr 13 15:58:14 UTC 2021
x86_64 x86_64 x86_64 GNU/Linux
ubuntu@ip-172-31-28-218:~$ wget
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh
--2021-10-13 07:13:40--
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133,
185.199.110.133, 185.199.111.133, ...
Connecting to raw.githubusercontent.com
```

(raw.githubusercontent.com)|185.199.109.133|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 791 [text/plain]  
Saving to: 'kernelupdate.sh'

kernelupdate.sh

100%[=====]  
==>] 791 --.-KB/s in 0s

2021-10-13 07:13:40 (39.5 MB/s) - 'kernelupdate.sh' saved [791/791]

ubuntu@ip-172-31-28-218:~\$ sudo bash kernelupdate.sh

--2021-10-13 07:13:43--

https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-headers-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb

Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.216.110.123

Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.216.110.123|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 7621020 (7.3M) []

Saving to: './linux-5.6-rc2/linux-headers-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb'

linux-headers-5.6.0-rc2\_5.6.0-rc2-1\_amd64

100%[=====]  
==>] 7.27M 4.23MB/s in 1.7s

2021-10-13 07:13:45 (4.23 MB/s) -

'./linux-5.6-rc2/linux-headers-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb' saved  
[7621020/7621020]

--2021-10-13 07:13:45--

https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-image-5.6.0-rc2-dbg\_5.6.0-rc2-1\_amd64.deb

Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.216.110.123

Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.216.110.123|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 857827912 (818M) [application/x-www-form-urlencoded]

Saving to: './linux-5.6-rc2/linux-image-5.6.0-rc2-dbg\_5.6.0-rc2-1\_amd64.deb'

linux-image-5.6.0-rc2-dbg\_5.6.0-rc2-1\_amd

100%[=====]  
==>] 818.09M 11.0MB/s in 1m 52s

2021-10-13 07:15:37 (7.33 MB/s) -

'./linux-5.6-rc2/linux-image-5.6.0-rc2-dbg\_5.6.0-rc2-1\_amd64.deb' saved  
[857827912/857827912]

--2021-10-13 07:15:37--

https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-image-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb

Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.217.11.148

Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.11.148|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 56427036 (54M) [application/x-www-form-urlencoded]  
Saving to: './linux-5.6-rc2/linux-image-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb'

linux-image-5.6.0-rc2\_5.6.0-rc2-1\_amd64.d

100%[=====]  
==>] 53.81M 6.73MB/s in 8.6s

2021-10-13 07:15:46 (6.24 MB/s) -  
'./linux-5.6-rc2/linux-image-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb' saved  
[56427036/56427036]

--2021-10-13 07:15:46--

https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-libc-dev\_5.6.0-rc2-1\_amd64.deb  
Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.217.80.68  
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.80.68|:443...  
connected.

HTTP request sent, awaiting response... 200 OK

Length: 1082248 (1.0M) []

Saving to: './linux-5.6-rc2/linux-libc-dev\_5.6.0-rc2-1\_amd64.deb'

linux-libc-dev\_5.6.0-rc2-1\_amd64.deb

100%[=====]  
==>] 1.03M 1.64MB/s in 0.6s

2021-10-13 07:15:47 (1.64 MB/s) -  
'./linux-5.6-rc2/linux-libc-dev\_5.6.0-rc2-1\_amd64.deb' saved [1082248/1082248]

Continue kernel update (y/n)?y

Updating kernel

Selecting previously unselected package linux-headers-5.6.0-rc2.

(Reading database ... 57240 files and directories currently installed.)

Preparing to unpack .../linux-headers-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb ...

Unpacking linux-headers-5.6.0-rc2 (5.6.0-rc2-1) ...

Selecting previously unselected package linux-image-5.6.0-rc2-dbg.

Preparing to unpack .../linux-image-5.6.0-rc2-dbg\_5.6.0-rc2-1\_amd64.deb ...

Unpacking linux-image-5.6.0-rc2-dbg (5.6.0-rc2-1) ...

Selecting previously unselected package linux-image-5.6.0-rc2.

Preparing to unpack .../linux-image-5.6.0-rc2\_5.6.0-rc2-1\_amd64.deb ...

Unpacking linux-image-5.6.0-rc2 (5.6.0-rc2-1) ...

Selecting previously unselected package linux-libc-dev:amd64.

Preparing to unpack .../linux-libc-dev\_5.6.0-rc2-1\_amd64.deb ...

Unpacking linux-libc-dev:amd64 (5.6.0-rc2-1) ...

Setting up linux-headers-5.6.0-rc2 (5.6.0-rc2-1) ...

Setting up linux-image-5.6.0-rc2-dbg (5.6.0-rc2-1) ...

Setting up linux-image-5.6.0-rc2 (5.6.0-rc2-1) ...

update-initramfs: Generating /boot/initrd.img-5.6.0-rc2

Sourcing file `/etc/default/grub'

Sourcing file `/etc/default/grub.d/50-cloudimg-settings.cfg'

Generating grub configuration file ...

Found linux image: /boot/vmlinuz-5.6.0-rc2

Found initrd image: /boot/initrd.img-5.6.0-rc2

Found linux image: /boot/vmlinuz-5.4.0-1045-aws

Found initrd image: /boot/initrd.img-5.4.0-1045-aws

done

Setting up linux-libc-dev:amd64 (5.6.0-rc2-1) ...

Reboot host (y/n)?y  
Rebooting

Remote side unexpectedly closed network connection

---

Session stopped

- Press <return> to exit tab
- Press R to restart session
- Press S to save terminal output to file

Network error: Connection timed out

---

Session stopped

- Press <return> to exit tab
- Press R to restart session
- Press S to save terminal output to file

Network error: Connection timed out

---

Session stopped

- Press <return> to exit tab
- Press R to restart session
- Press S to save terminal output to file

login as: ubuntu

Authenticating with public key "Imported-Openssh-Key:  
C:\\Users\\amit.rahate\\Downloads\\amit-centaurus-awskeypair.pem"

• MobaXterm Personal Edition v21.3 •  
(SSH client, X server and network tools)

→ SSH session to **ubuntu@52.12.77.116**

- Direct SSH : v
- SSH compression : v
- SSH-browser : v
- X11-forwarding : v (remote display is forwarded through SSH)

→ For more info, ctrl+click on [help](#) or visit our [website](#).

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.6.0-rc2 x86\_64)

- \* Documentation: <https://help.ubuntu.com>
- \* Management: <https://landscape.canonical.com>
- \* Support: <https://ubuntu.com/advantage>

System information as of Wed Oct 13 07:20:20 UTC 2021

```
System load: 0.49          Processes:           169
Usage of /:  6.4% of 125.96GB Users logged in:      0
Memory usage: 0%          IP address for eth0: 172.31.28.218
Swap usage:  0%
```

0 packages can be updated.  
0 of these updates are security updates.

New release '20.04.3 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.

```
Last login: Wed Oct 13 07:10:40 2021 from 114.143.207.106
ubuntu@ip-172-31-28-218:~$ uname -a
Linux ip-172-31-28-218 5.6.0-rc2 #1 SMP Tue Feb 25 18:54:05 UTC 2020 x86_64 x86_64 x86_64
GNU/Linux
ubuntu@ip-172-31-28-218:~$ git clone https://github.com/CentaurusInfra/arktos.git
~/go/src/k8s.io/arktos
Cloning into '/home/ubuntu/go/src/k8s.io/arktos'...
remote: Enumerating objects: 104097, done.
remote: Counting objects: 100% (655/655), done.
remote: Compressing objects: 100% (429/429), done.
remote: Total 104097 (delta 292), reused 416 (delta 203), pack-reused 103442
Receiving objects: 100% (104097/104097), 208.39 MiB | 27.20 MiB/s, done.
Resolving deltas: 100% (62708/62708), done.
Checking out files: 100% (20761/20761), done.
ubuntu@ip-172-31-28-218:~$ sudo bash $HOME/go/src/k8s.io/arktos/hack/setup-dev-node.sh
The script is to help install prerequisites of Arktos development environment
on a fresh Linux installation.
It's been tested on Ubuntu 16.04 LTS and 18.04 LTS.
Update apt.
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6
kB]
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages
[8570 kB]
Get:5 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en
[4941 kB]
Get:6 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:7 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages
[151 kB]
Get:8 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en
[108 kB]
Get:9 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages
[2251 kB]
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main
Translation-en [438 kB]
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64
Packages [493 kB]
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted
Translation-en [66.9 kB]
Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64
```

Packages [1756 kB]  
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [377 kB]  
Get:15 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [27.3 kB]  
Get:16 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6808 B]  
Get:17 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [10.0 kB]  
Get:18 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 B]  
Get:19 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [10.3 kB]  
Get:20 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 B]  
Get:21 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [1906 kB]  
Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [346 kB]  
Get:23 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [469 kB]  
Get:24 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [63.2 kB]  
Get:25 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1141 kB]  
Get:26 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [261 kB]  
Get:27 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [20.9 kB]  
Get:28 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [4732 B]  
Fetched 23.7 MB in 6s (3813 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
89 packages can be upgraded. Run 'apt list --upgradable' to see them.  
Install docker.  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
 bridge-utils containerd pigz runc ubuntu-fan  
Suggested packages:  
 ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse | zfsutils  
The following NEW packages will be installed:  
 bridge-utils containerd docker.io pigz runc ubuntu-fan  
0 upgraded, 6 newly installed, 0 to remove and 89 not upgraded.  
Need to get 74.0 MB of archives.  
After this operation, 359 MB of additional disk space will be used.  
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 pigz amd64 2.4-1 [57.4 kB]  
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 bridge-utils amd64 1.5-15ubuntu1 [30.1 kB]  
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 runc amd64 1.0.0~rc95-0ubuntu1~18.04.2 [4087 kB]  
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64

```
containerd amd64 1.5.2-0ubuntu1~18.04.3 [32.8 MB]
Get:5 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64
docker.io amd64 20.10.7-0ubuntu1~18.04.2 [36.9 MB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 ubuntu-fan all
0.12.10 [34.7 kB]
Fetched 74.0 MB in 1s (52.0 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 88826 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...
Unpacking pigz (2.4-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.5-15ubuntu1_amd64.deb ...
Unpacking bridge-utils (1.5-15ubuntu1) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1.0.0~rc95-0ubuntu1~18.04.2_amd64.deb ...
Unpacking runc (1.0.0~rc95-0ubuntu1~18.04.2) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.5.2-0ubuntu1~18.04.3_amd64.deb ...
Unpacking containerd (1.5.2-0ubuntu1~18.04.3) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../4-docker.io_20.10.7-0ubuntu1~18.04.2_amd64.deb ...
Unpacking docker.io (20.10.7-0ubuntu1~18.04.2) ...
Selecting previously unselected package ubuntu-fan.
Preparing to unpack .../5-ubuntu-fan_0.12.10_all.deb ...
Unpacking ubuntu-fan (0.12.10) ...
Setting up runc (1.0.0~rc95-0ubuntu1~18.04.2) ...
Setting up containerd (1.5.2-0ubuntu1~18.04.3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
/lib/systemd/system/containerd.service.
Setting up bridge-utils (1.5-15ubuntu1) ...
Setting up ubuntu-fan (0.12.10) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service →
/lib/systemd/system/ubuntu-fan.service.
Setting up pigz (2.4-1) ...
Setting up docker.io (20.10.7-0ubuntu1~18.04.2) ...
Adding group `docker' (GID 115) ...
Done.
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service →
/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket →
/lib/systemd/system/docker.socket.
Processing triggers for systemd (237-3ubuntu10.46) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Install make & gcc.
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  make-doc
The following NEW packages will be installed:
  make
0 upgraded, 1 newly installed, 0 to remove and 89 not upgraded.
Need to get 154 kB of archives.
```

After this operation, 381 kB of additional disk space will be used.  
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 make amd64 4.1-9.1ubuntu1 [154 kB]  
Fetched 154 kB in 0s (9710 kB/s)  
Selecting previously unselected package make.  
(Reading database ... 89149 files and directories currently installed.)  
Preparing to unpack .../make\_4.1-9.1ubuntu1\_amd64.deb ...  
Unpacking make (4.1-9.1ubuntu1) ...  
Setting up make (4.1-9.1ubuntu1) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
 binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-7 gcc-7 gcc-7-base libasan4 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcilkrts5  
 libgcc-7-dev libgomp1 libisl19 libitm1 liblsan0 libmpc3 libmpx2 libquadmath0 libtsan0 libubsan0 manpages-dev  
Suggested packages:  
 binutils-doc cpp-doc gcc-7-locales gcc-multilib autoconf automake libtool flex bison gdb gcc-doc gcc-7-multilib gcc-7-doc libgcc1-dbg libgomp1-dbg libitm1-dbg  
 libatomic1-dbg libasan4-dbg liblsan0-dbg libtsan0-dbg libubsan0-dbg libcilkrts5-dbg libmpx2-dbg libquadmath0-dbg glibc-doc  
The following NEW packages will be installed:  
 binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-7 gcc gcc-7 gcc-7-base libasan4 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcilkrts5  
 libgcc-7-dev libgomp1 libisl19 libitm1 liblsan0 libmpc3 libmpx2 libquadmath0 libtsan0 libubsan0 manpages-dev  
0 upgraded, 26 newly installed, 0 to remove and 89 not upgraded.  
Need to get 29.6 MB of archives.  
After this operation, 112 MB of additional disk space will be used.  
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 binutils-common amd64 2.30-21ubuntu1~18.04.5 [197 kB]  
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libbinutils amd64 2.30-21ubuntu1~18.04.5 [489 kB]  
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 binutils-x86-64-linux-gnu amd64 2.30-21ubuntu1~18.04.5 [1839 kB]  
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 binutils amd64 2.30-21ubuntu1~18.04.5 [3388 B]  
Get:5 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 gcc-7-base amd64 7.5.0-3ubuntu1~18.04 [18.3 kB]  
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libisl19 amd64 0.19-1 [551 kB]  
Get:7 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libmpc3 amd64 1.1.0-1 [40.8 kB]  
Get:8 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 cpp-7 amd64 7.5.0-3ubuntu1~18.04 [8591 kB]  
Get:9 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 cpp amd64 4:7.4.0-1ubuntu2.3 [27.7 kB]  
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libcc1-0 amd64 8.4.0-1ubuntu1~18.04 [39.4 kB]  
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgomp1 amd64 8.4.0-1ubuntu1~18.04 [76.5 kB]  
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libitm1 amd64 8.4.0-1ubuntu1~18.04 [27.9 kB]



Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libatomic1 amd64 8.4.0-1ubuntu1~18.04 [9192 B]  
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libasan4 amd64 7.5.0-3ubuntu1~18.04 [358 kB]  
Get:15 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 liblsan0 amd64 8.4.0-1ubuntu1~18.04 [133 kB]  
Get:16 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libtsan0 amd64 8.4.0-1ubuntu1~18.04 [288 kB]  
Get:17 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libubsan0 amd64 7.5.0-3ubuntu1~18.04 [126 kB]  
Get:18 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libcilkrts5 amd64 7.5.0-3ubuntu1~18.04 [42.5 kB]  
Get:19 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libmpx2 amd64 8.4.0-1ubuntu1~18.04 [11.6 kB]  
Get:20 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libquadmath0 amd64 8.4.0-1ubuntu1~18.04 [134 kB]  
Get:21 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgcc-7-dev amd64 7.5.0-3ubuntu1~18.04 [2378 kB]  
Get:22 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 gcc-7 amd64 7.5.0-3ubuntu1~18.04 [9381 kB]  
Get:23 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 gcc amd64 4:7.4.0-1ubuntu2.3 [5184 B]  
Get:24 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libc-dev-bin amd64 2.27-3ubuntu1.4 [71.8 kB]  
Get:25 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libc6-dev amd64 2.27-3ubuntu1.4 [2585 kB]  
Get:26 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 manpages-dev all 4.15-1 [2217 kB]  
Fetched 29.6 MB in 1s (57.8 MB/s)  
Selecting previously unselected package binutils-common:amd64.  
(Reading database ... 89165 files and directories currently installed.)  
Preparing to unpack .../00-binutils-common\_2.30-21ubuntu1~18.04.5\_amd64.deb ...  
Unpacking binutils-common:amd64 (2.30-21ubuntu1~18.04.5) ...  
Selecting previously unselected package libbinutils:amd64.  
Preparing to unpack .../01-libbinutils\_2.30-21ubuntu1~18.04.5\_amd64.deb ...  
Unpacking libbinutils:amd64 (2.30-21ubuntu1~18.04.5) ...  
Selecting previously unselected package binutils-x86-64-linux-gnu.  
Preparing to unpack .../02-binutils-x86-64-linux-gnu\_2.30-21ubuntu1~18.04.5\_amd64.deb ...  
Unpacking binutils-x86-64-linux-gnu (2.30-21ubuntu1~18.04.5) ...  
Selecting previously unselected package binutils.  
Preparing to unpack .../03-binutils\_2.30-21ubuntu1~18.04.5\_amd64.deb ...  
Unpacking binutils (2.30-21ubuntu1~18.04.5) ...  
Selecting previously unselected package gcc-7-base:amd64.  
Preparing to unpack .../04-gcc-7-base\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking gcc-7-base:amd64 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package libisl19:amd64.  
Preparing to unpack .../05-libisl19\_0.19-1\_amd64.deb ...  
Unpacking libisl19:amd64 (0.19-1) ...  
Selecting previously unselected package libmpc3:amd64.  
Preparing to unpack .../06-libmpc3\_1.1.0-1\_amd64.deb ...  
Unpacking libmpc3:amd64 (1.1.0-1) ...  
Selecting previously unselected package cpp-7.  
Preparing to unpack .../07-cpp-7\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking cpp-7 (7.5.0-3ubuntu1~18.04) ...

Selecting previously unselected package cpp.  
Preparing to unpack .../08-cpp\_4%3a7.4.0-1ubuntu2.3\_amd64.deb ...  
Unpacking cpp (4:7.4.0-1ubuntu2.3) ...  
Selecting previously unselected package libcc1-0:amd64.  
Preparing to unpack .../09-libcc1-0\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libcc1-0:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libgomp1:amd64.  
Preparing to unpack .../10-libgomp1\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libgomp1:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libitm1:amd64.  
Preparing to unpack .../11-libitm1\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libitm1:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libatomic1:amd64.  
Preparing to unpack .../12-libatomic1\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libatomic1:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libasan4:amd64.  
Preparing to unpack .../13-libasan4\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking libasan4:amd64 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package liblsan0:amd64.  
Preparing to unpack .../14-liblsan0\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking liblsan0:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libtsan0:amd64.  
Preparing to unpack .../15-libtsan0\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libtsan0:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libubsan0:amd64.  
Preparing to unpack .../16-libubsan0\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking libubsan0:amd64 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package libcilkrts5:amd64.  
Preparing to unpack .../17-libcilkrts5\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking libcilkrts5:amd64 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package libmpx2:amd64.  
Preparing to unpack .../18-libmpx2\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libmpx2:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libquadmath0:amd64.  
Preparing to unpack .../19-libquadmath0\_8.4.0-1ubuntu1~18.04\_amd64.deb ...  
Unpacking libquadmath0:amd64 (8.4.0-1ubuntu1~18.04) ...  
Selecting previously unselected package libgcc-7-dev:amd64.  
Preparing to unpack .../20-libgcc-7-dev\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking libgcc-7-dev:amd64 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package gcc-7.  
Preparing to unpack .../21-gcc-7\_7.5.0-3ubuntu1~18.04\_amd64.deb ...  
Unpacking gcc-7 (7.5.0-3ubuntu1~18.04) ...  
Selecting previously unselected package gcc.  
Preparing to unpack .../22-gcc\_4%3a7.4.0-1ubuntu2.3\_amd64.deb ...  
Unpacking gcc (4:7.4.0-1ubuntu2.3) ...  
Selecting previously unselected package libc-dev-bin.  
Preparing to unpack .../23-libc-dev-bin\_2.27-3ubuntu1.4\_amd64.deb ...  
Unpacking libc-dev-bin (2.27-3ubuntu1.4) ...  
Selecting previously unselected package libc6-dev:amd64.  
Preparing to unpack .../24-libc6-dev\_2.27-3ubuntu1.4\_amd64.deb ...  
Unpacking libc6-dev:amd64 (2.27-3ubuntu1.4) ...  
Selecting previously unselected package manpages-dev.  
Preparing to unpack .../25-manpages-dev\_4.15-1\_all.deb ...  
Unpacking manpages-dev (4.15-1) ...  
Setting up libquadmath0:amd64 (8.4.0-1ubuntu1~18.04) ...

```
Setting up libgomp1:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up libatomic1:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up libcc1-0:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up libtsan0:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up liblsan0:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up gcc-7-base:amd64 (7.5.0-3ubuntu1~18.04) ...
Setting up binutils-common:amd64 (2.30-21ubuntu1~18.04.5) ...
Setting up libmpx2:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up libmpc3:amd64 (1.1.0-1) ...
Setting up libc-dev-bin (2.27-3ubuntu1.4) ...
Setting up manpages-dev (4.15-1) ...
Setting up libc6-dev:amd64 (2.27-3ubuntu1.4) ...
Setting up libitm1:amd64 (8.4.0-1ubuntu1~18.04) ...
Setting up libisl19:amd64 (0.19-1) ...
Setting up libasan4:amd64 (7.5.0-3ubuntu1~18.04) ...
Setting up libbinutils:amd64 (2.30-21ubuntu1~18.04.5) ...
Setting up libcilkrts5:amd64 (7.5.0-3ubuntu1~18.04) ...
Setting up libubsan0:amd64 (7.5.0-3ubuntu1~18.04) ...
Setting up libgcc-7-dev:amd64 (7.5.0-3ubuntu1~18.04) ...
Setting up cpp-7 (7.5.0-3ubuntu1~18.04) ...
Setting up binutils-x86-64-linux-gnu (2.30-21ubuntu1~18.04.5) ...
Setting up cpp (4:7.4.0-1ubuntu2.3) ...
Setting up binutils (2.30-21ubuntu1~18.04.5) ...
Setting up gcc-7 (7.5.0-3ubuntu1~18.04) ...
Setting up gcc (4:7.4.0-1ubuntu2.3) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for libc-bin (2.27-3ubuntu1.4) ...
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libjq1 libonig4
The following NEW packages will be installed:
  jq libjq1 libonig4
0 upgraded, 3 newly installed, 0 to remove and 89 not upgraded.
Need to get 276 kB of archives.
After this operation, 930 kB of additional disk space will be used.
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 libonig4
amd64 6.7.0-1 [119 kB]
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 libjq1 amd64
1.5+dfsg-2 [111 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 jq amd64
1.5+dfsg-2 [45.6 kB]
Fetched 276 kB in 0s (16.7 MB/s)
Selecting previously unselected package libonig4:amd64.
(Reading database ... 92426 files and directories currently installed.)
Preparing to unpack .../libonig4_6.7.0-1_amd64.deb ...
Unpacking libonig4:amd64 (6.7.0-1) ...
Selecting previously unselected package libjq1:amd64.
Preparing to unpack .../libjq1_1.5+dfsg-2_amd64.deb ...
Unpacking libjq1:amd64 (1.5+dfsg-2) ...
Selecting previously unselected package jq.
Preparing to unpack .../jq_1.5+dfsg-2_amd64.deb ...
Unpacking jq (1.5+dfsg-2) ...
Setting up libonig4:amd64 (6.7.0-1) ...
```

```

Setting up libjq1:amd64 (1.5+dfsg-2) ...
Setting up jq (1.5+dfsg-2) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for libc-bin (2.27-3ubuntu1.4) ...
Install golang.
--2021-10-13 07:25:09-- https://dl.google.com/go/go1.13.9.linux-amd64.tar.gz
Resolving dl.google.com (dl.google.com)... 142.251.33.78, 2607:f8b0:400a:805::200e
Connecting to dl.google.com (dl.google.com)|142.251.33.78|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 120139686 (115M) [application/octet-stream]
Saving to: '/tmp/go1.13.9.linux-amd64.tar.gz'

go1.13.9.linux-amd64.tar.gz
100%[=====
==>] 114.57M  28.9MB/s   in 7.4s

2021-10-13 07:25:17 (15.4 MB/s) - '/tmp/go1.13.9.linux-amd64.tar.gz' saved
[120139686/120139686]

Done.
Please run and add 'export PATH=$PATH:/usr/local/go/bin' into your shell profile.
You can proceed to run arktos-up.sh if you want to launch a single-node cluster.
ubuntu@ip-172-31-28-218:~$ echo export PATH=$PATH:/usr/local/go/bin \>> ~/.profile
ubuntu@ip-172-31-28-218:~$ echo cd $HOME/go/src/k8s.io/arktos \>> ~/.profile
ubuntu@ip-172-31-28-218:~$ source ~/.profile
ubuntu@ip-172-31-28-218:~/go/src/k8s.io/arktos$ CNIPLUGIN=mizar ./hack/arktos-up.sh
DBG: Flannel CNI plugin will be installed AFTER cluster is up
DBG: effective feature gates
AllAlpha=false,WorkloadInfoDefaulting=true,QPSDoubleGCController=true,QPSDoubleRSCont
roller=true,MandatoryArktosNetwork=true
DBG: effective disabling admission plugins
DBG: effective default network template file is
/home/ubuntu/go/src/k8s.io/arktos/hack/testdata/default-flat-network.tmpl
DBG: kubelet arg RESOLV_CONF is /run/systemd/resolve/resolv.conf
WARNING : The kubelet is configured to not fail even if swap is enabled; production
deployments should disable swap.
WARNING : This script MAY be run as root for docker socket / iptables functionality; if
failures occur, retry as root.
cni plugin is mizar; arktos onebox cannot use it out of box.
suggest to use bridge cni plugin.
if you really want to use this plugin, you need to config cni plugin by yourself.
ubuntu@ip-172-31-28-218:~/go/src/k8s.io/arktos$ pwd
/home/ubuntu/go/src/k8s.io/arktos
ubuntu@ip-172-31-28-218:~/go/src/k8s.io/arktos$ cd ..
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ rm -rf arktos
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ git clone
https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos -b
default-cni-mizar
Cloning into 'arktos'...
fatal: unable to access
'https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos/': The
requested URL returned error: 400
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ CNIPLUGIN=mizar ./hack/arktos-up.sh
-bash: ./hack/arktos-up.sh: No such file or directory
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd arktos

```

```

-bash: cd: arktos: No such file or directory
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd ~/go/src/k8s.io/arktos
-bash: cd: /home/ubuntu/go/src/k8s.io/arktos: No such file or directory
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ pwd
/home/ubuntu/go/src/k8s.io
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd arktos
-bash: cd: arktos: No such file or directory
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ pwd
/home/ubuntu/go/src/k8s.io
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd ..
ubuntu@ip-172-31-28-218:~/go/src$ cd ..
ubuntu@ip-172-31-28-218:~/go$ ls
src
ubuntu@ip-172-31-28-218:~/go$ cd /go/src/k8s.io/arktos
-bash: cd: /go/src/k8s.io/arktos: No such file or directory
ubuntu@ip-172-31-28-218:~/go$ cd go
-bash: cd: go: No such file or directory
ubuntu@ip-172-31-28-218:~/go$ cd home
-bash: cd: home: No such file or directory
ubuntu@ip-172-31-28-218:~/go$ cd ..
ubuntu@ip-172-31-28-218:~$ cd /home
ubuntu@ip-172-31-28-218:/home$ cd /ubuntu/go/src/k8s.io/arktos
-bash: cd: /ubuntu/go/src/k8s.io/arktos: No such file or directory
ubuntu@ip-172-31-28-218:/home$ cd ubuntu/
.cache/ .gnupg/ .ssh/ go/
ubuntu@ip-172-31-28-218:/home$ cd ubuntu/go/src/k8s.io/
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ ls
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ ls
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ echo cd \${HOME}/go/src/k8s.io/arktos >>
~/.profile
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd cd \${HOME}/go/src/k8s.io/
-bash: cd: too many arguments
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd \${HOME}/go/src/k8s.io/
-bash: cd: \${HOME}/go/src/k8s.io/: No such file or directory
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ pwd
/home/ubuntu/go/src/k8s.io
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ ls
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ git
clone https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos -b
default-cni-mizar
git:
'clone https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos' is
not a git command. See 'git --help'.
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | --no-pager] [--no-replace-objects] [--bare]
      [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
      <command> [<args>]

```

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)

clone	Clone a repository into a new directory
init	Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)

add	Add file contents to the index
mv	Move or rename a file, a directory, or a symlink
reset	Reset current HEAD to the specified state
rm	Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)

bisect	Use binary search to find the commit that introduced a bug
grep	Print lines matching a pattern
log	Show commit logs
show	Show various types of objects
status	Show the working tree status

grow, mark and tweak your common history

branch	List, create, or delete branches
checkout	Switch branches or restore working tree files
commit	Record changes to the repository
diff	Show changes between commits, commit and working tree, etc
merge	Join two or more development histories together
rebase	Reapply commits on top of another base tip
tag	Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)

fetch	Download objects and refs from another repository
pull	Fetch from and integrate with another repository or a local branch
push	Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some concept guides. See 'git help <command>' or 'git help <concept>' to read about a specific subcommand or concept.

```
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ git clone
```

```
https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos
```

```
Cloning into 'arktos'...
```

```
fatal: unable to access
```

```
'https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos/': The requested URL returned error: 400
```

```
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$
```

```
https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos
```

```
-bash: https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos: No such file or directory
```

```
ubuntu@ip-172-31-28-218:~/go/src/k8s.io$ cd
```

```
ubuntu@ip-172-31-28-218:~$ git clone
```

```
https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos
```

```
Cloning into 'arktos'...
```

```
fatal: unable to access
```

```
'https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos/': The requested URL returned error: 400
```

```
ubuntu@ip-172-31-28-218:~$ git clone
```

```
https://github.com/Click2Cloud-Centaurus/arktos.git ~/arktos-test -b default-cni-mizar
```

```
Cloning into '/home/ubuntu/arktos-test'...
```

```
remote: Enumerating objects: 104527, done.
```

```
remote: Counting objects: 100% (1189/1189), done.
remote: Compressing objects: 100% (725/725), done.
remote: Total 104527 (delta 600), reused 647 (delta 447), pack-reused 103338
Receiving objects: 100% (104527/104527), 333.23 MiB | 26.87 MiB/s, done.
Resolving deltas: 100% (63237/63237), done.
Checking out files: 100% (20762/20762), done.
ubuntu@ip-172-31-28-218:~$ ls
arktos-test  go  kernelupdate.sh
ubuntu@ip-172-31-28-218:~$ cd arktos-test
ubuntu@ip-172-31-28-218:~/arktos-test$ git branch
* default-cni-mizar
ubuntu@ip-172-31-28-218:~/arktos-test$ CNIPLUGIN=mizar ./hack/arktos-up.sh
DBG: Flannel CNI plugin will be installed AFTER cluster is up
DBG: effective feature gates
AllAlpha=false,WorkloadInfoDefaulting=true,QPSDoubleGCCController=true,QPSDoubleRSCont
roller=true,MandatoryArktosNetwork=true
DBG: effective disabling admission plugins
DBG: effective default network template file is
/home/ubuntu/arktos-test/hack/testdata/default-flat-network.tpl
DBG: kubelet arg RESOLV_CONF is /run/systemd/resolve/resolve.conf
WARNING : The kubelet is configured to not fail even if swap is enabled; production
deployments should disable swap.
WARNING : This script MAY be run as root for docker socket / iptables functionality; if
failures occur, retry as root.
cni plugin is mizar; arktos will use mizar to provision pod network
Checking arktos containerd...
arktos containerd not found...
--2021-10-13 08:41:47--
https://github.com/containerd/containerd/releases/download/v1.4.2/containerd-1.4.2-li
nux-amd64.tar.gz
Resolving github.com (github.com)... 192.30.255.113
Connecting to github.com (github.com)|192.30.255.113|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location:
https://github-releases.githubusercontent.com/46089560/5cad0000-2fc0-11eb-8e3a-ed435a
7b945c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20211
013%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20211013T084147Z&X-Amz-Expires=300&X-A
mz-Signature=6e0e367e34b22838f15604b7caf64524003360735dd5d031520113c3808ff952&X-Amz-S
ignedHeaders=host&actor_id=0&key_id=0&repo_id=46089560&response-content-disposition=a
ttachment%3B%20filename%3Dcontainerd-1.4.2-linux-amd64.tar.gz&response-content-type=a
pplication%2Foctet-stream [following]
--2021-10-13 08:41:47--
https://github-releases.githubusercontent.com/46089560/5cad0000-2fc0-11eb-8e3a-ed435a
7b945c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20211
013%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20211013T084147Z&X-Amz-Expires=300&X-A
mz-Signature=6e0e367e34b22838f15604b7caf64524003360735dd5d031520113c3808ff952&X-Amz-S
ignedHeaders=host&actor_id=0&key_id=0&repo_id=46089560&response-content-disposition=a
ttachment%3B%20filename%3Dcontainerd-1.4.2-linux-amd64.tar.gz&response-content-type=a
pplication%2Foctet-stream
Resolving github-releases.githubusercontent.com
(github-releases.githubusercontent.com)... 185.199.110.154, 185.199.109.154,
185.199.108.154, ...
Connecting to github-releases.githubusercontent.com
(github-releases.githubusercontent.com)|185.199.110.154|:443... connected.
HTTP request sent, awaiting response... 200 OK
```

Length: 31160021 (30M) [application/octet-stream]  
Saving to: '/home/ubuntu/arktos-containerd/containerd-1.4.2-linux-amd64.tar.gz'

containerd-1.4.2-linux-amd64.tar.gz

100%[=====]  
==>] 29.72M 41.0MB/s in 0.7s

2021-10-13 08:41:48 (41.0 MB/s) -  
'/home/ubuntu/arktos-containerd/containerd-1.4.2-linux-amd64.tar.gz' saved  
[31160021/31160021]

installing arktos containerd...

WARNING : The kubelet is configured to not fail even if swap is enabled; production  
deployments should disable swap.

WARNING : This script MAY be run as root for docker socket / iptables functionality; if  
failures occur, retry as root.

Getting runtime deployment file libvirt-qemu

--2021-10-13 08:42:03--

<https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/libvirt-qemu>

Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133,  
185.199.110.133, 185.199.111.133, ...

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.109.133|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 6578 (6.4K) [text/plain]

Saving to: '/tmp/libvirt-qemu'

/tmp/libvirt-qemu

100%[=====]  
==>] 6.42K --.-KB/s in 0s

2021-10-13 08:42:03 (40.5 MB/s) - '/tmp/libvirt-qemu' saved [6578/6578]

Getting runtime deployment file libvirtd

--2021-10-13 08:42:03--

<https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/libvirtd>

Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,  
185.199.111.133, 185.199.110.133, ...

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.108.133|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 1617 (1.6K) [text/plain]

Saving to: '/tmp/libvirtd'

/tmp/libvirtd

100%[=====]  
==>] 1.58K --.-KB/s in 0s

2021-10-13 08:42:04 (25.1 MB/s) - '/tmp/libvirtd' saved [1617/1617]

Getting runtime deployment file virtlet

--2021-10-13 08:42:04--

<https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy>



```
y/apparmor/virtlet
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,
185.199.111.133, 185.199.110.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2582 (2.5K) [text/plain]
Saving to: '/tmp/virtlet'
```

```
/tmp/virtlet
100%[=====
===>] 2.52K --.-KB/s in 0s
```

2021-10-13 08:42:04 (38.1 MB/s) - '/tmp/virtlet' saved [2582/2582]

```
Getting runtime deployment file vms
--2021-10-13 08:42:04--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/vms
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,
185.199.111.133, 185.199.110.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 485 [text/plain]
Saving to: '/tmp/vms'
```

```
/tmp/vms
100%[=====
===>] 485 --.-KB/s in 0s
```

2021-10-13 08:42:04 (26.9 MB/s) - '/tmp/vms' saved [485/485]

```
Getting runtime deployment file vmruntime.yaml
--2021-10-13 08:42:04--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/data/virtlet-ds.yaml
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,
185.199.111.133, 185.199.110.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11643 (11K) [text/plain]
Saving to: '/tmp/vmruntime.yaml'
```

```
/tmp/vmruntime.yaml
100%[=====
===>] 11.37K --.-KB/s in 0s
```

2021-10-13 08:42:04 (57.2 MB/s) - '/tmp/vmruntime.yaml' saved [11643/11643]

```
Getting runtime deployment file images.yaml
--2021-10-13 08:42:04--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/images.yaml
```

```
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,
185.199.111.133, 185.199.110.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 254 [text/plain]
Saving to: '/tmp/images.yaml'
```

```
/tmp/images.yaml
```

```
100%[=====
===>]      254  --.-KB/s    in 0s
```

```
2021-10-13 08:42:04 (13.6 MB/s) - '/tmp/images.yaml' saved [254/254]
```

```
Stopping Apparmor service
```

```
make: Entering directory '/home/ubuntu/arktos-test'
```

```
make[1]: Entering directory '/home/ubuntu/arktos-test'
```

```
+++ [1013 08:42:11] Building go targets for linux/amd64:
```

```
./vendor/k8s.io/code-generator/cmd/deepcopy-gen
```

```
+++ [1013 08:42:11] Building go targets for linux/amd64:
```

```
./vendor/k8s.io/code-generator/cmd/defaulter-gen
```

```
+++ [1013 08:42:11] Building go targets for linux/amd64:
```

```
./vendor/k8s.io/code-generator/cmd/conversion-gen
```

```
+++ [1013 08:42:11] Building go targets for linux/amd64:
```

```
./vendor/k8s.io/kube-openapi/cmd/openapi-gen
```

```
+++ [1013 08:42:14] Building go targets for linux/amd64:
```

```
./vendor/github.com/go-bindata/go-bindata/go-bindata
```

```
make[1]: Leaving directory '/home/ubuntu/arktos-test'
```

```
Running copyright check for repo: /home/ubuntu/arktos-test, logging to
_output/ArktosCopyrightTool.log
```

```
~/arktos-test ~/arktos-test
```

```
warning: inexact rename detection was skipped due to too many files.
```

```
warning: you may want to set your diff.renameLimit variable to at least 3063 and retry
the command.
```

```
~/arktos-test
```

```
~/arktos-test ~/arktos-test
```

```
warning: inexact rename detection was skipped due to too many files.
```

```
warning: you may want to set your diff.renameLimit variable to at least 3063 and retry
the command.
```

```
~/arktos-test
```

```
Inspecting copyright files, writing logs to _output/ArktosCopyrightTool.log
```

```
Done.
```

```
+++ [1013 08:42:36] Building go targets for linux/amd64:
```

```
cmd/kubect1
```

```
cmd/hyperkube
```

```
cmd/kube-apiserver
```

```
cmd/kube-controller-manager
```

```
cmd/workload-controller-manager
```

```
cmd/cloud-controller-manager
```

```
cmd/kubelet
```

```
cmd/kube-proxy
```

```
cmd/kube-scheduler
```

```
cmd/arktos-network-controller
```

```
Running copyright check for repo: /home/ubuntu/arktos-test, logging to
_output/ArktosCopyrightTool.log
```

```
~/arktos-test ~/arktos-test
warning: inexact rename detection was skipped due to too many files.
warning: you may want to set your diff.renameLimit variable to at least 3063 and retry
the command.
~/arktos-test
~/arktos-test ~/arktos-test
warning: inexact rename detection was skipped due to too many files.
warning: you may want to set your diff.renameLimit variable to at least 3063 and retry
the command.
~/arktos-test
Inspecting copyright files, writing logs to _output/ArktosCopyrightTool.log
Done.
make: Leaving directory '/home/ubuntu/arktos-test'
cannot find etcd locally. will install one.
Downloading
https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-am
d64.tar.gz succeed
etcd v3.4.3 installed. To use:
export PATH="/home/ubuntu/arktos-test/third_party/etcd:${PATH}"
```

The current version is 3.4.3

```
API SERVER insecure port is free, proceeding...
API SERVER secure port is free, proceeding...
Unable to successfully run 'cfssl' from
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/ga
mes:/snap/bin:/usr/local/go/bin:/home/ubuntu/arktos-test/third_party/etcd;
downloading instead...
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
  0      0    0     0    0     0      0     0  --:--:-- --:--:-- --:--:--    0
100  623 100   623    0     0  2298     0  --:--:-- --:--:-- --:--:--  2298
100 9.8M 100  9.8M    0     0 10.8M     0  --:--:-- --:--:-- --:--:-- 112M
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
  0      0    0     0    0     0      0     0  --:--:-- --:--:-- --:--:--    0
100  627 100   627    0     0  3043     0  --:--:~ --:~:~ --:~:~  3043
100 2224k 100 2224k    0     0 3064k     0  --:~:~ --:~:~ --:~:~ 3064k
Detected host and ready to start services. Doing some housekeeping first...
Using GO_OUT /home/ubuntu/arktos-test/_output/local/bin/linux/amd64
Starting services now!
Starting etcd
```

The current version is 3.4.3

```
etcd --name ip-172-31-28-218 --listen-peer-urls http://172.31.28.218:2380
--advertise-client-urls http://172.31.28.218:2379 --data-dir /tmp/tmp.kjZiLoqszc
--listen-client-urls http://172.31.28.218:2379,http://127.0.0.1:2379
--listen-peer-urls http://172.31.28.218:2380 --debug > "/tmp/etcd.log" 2>/dev/null
Waiting for etcd to come up.
+++ [1013 08:45:00] On try 2, etcd: : {"health":"true"}
{"header":{"cluster_id":"2447299891243809892","member_id":"5230746078495034007","revi
sion":"2","raft_term":"2"}}Starting 1 kube-apiserver instances. If you want to make
changes to the kube-apiserver nubmer, please run export APISERVER_SERVER=n(n=1,2,...).
Copied the apiserver partition config file /var/run/kubernetes/apiserver.config...
```

```

Can't load /home/ubuntu/.rnd into RNG
140034049614272:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/ubuntu/.rnd
Generating a RSA private key
.....+++++
.....+++++
writing new private key to '/var/run/kubernetes/server-ca.key'
-----
Can't load /home/ubuntu/.rnd into RNG
140125807337920:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/ubuntu/.rnd
Generating a RSA private key
.....+++++
.....+++++
writing new private key to '/var/run/kubernetes/client-ca.key'
-----
Can't load /home/ubuntu/.rnd into RNG
140128994488768:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/ubuntu/.rnd
Generating a RSA private key
....+++++
.....+++++
writing new private key to '/var/run/kubernetes/request-header-ca.key'
-----
2021/10/13 08:45:01 [INFO] generate received request
2021/10/13 08:45:01 [INFO] received CSR
2021/10/13 08:45:01 [INFO] generating key: rsa-2048
2021/10/13 08:45:01 [INFO] encoded CSR
2021/10/13 08:45:01 [INFO] signed certificate with serial number
143848133792010821133655119226409397962635770740
2021/10/13 08:45:01 [WARNING] This certificate lacks a "hosts" field. This makes it
unsuitable for
websites. For more information see the Baseline Requirements for the Issuance and
Management
of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum
(https://cabforum.org);
specifically, section 10.2.3 ("Information Requirements").
2021/10/13 08:45:01 [INFO] generate received request
2021/10/13 08:45:01 [INFO] received CSR
2021/10/13 08:45:01 [INFO] generating key: rsa-2048
2021/10/13 08:45:01 [INFO] encoded CSR
2021/10/13 08:45:01 [INFO] signed certificate with serial number
679344531731537093668586556849951264107001197359
2021/10/13 08:45:01 [WARNING] This certificate lacks a "hosts" field. This makes it
unsuitable for
websites. For more information see the Baseline Requirements for the Issuance and
Management
of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum
(https://cabforum.org);
specifically, section 10.2.3 ("Information Requirements").
2021/10/13 08:45:01 [INFO] generate received request
2021/10/13 08:45:01 [INFO] received CSR
2021/10/13 08:45:01 [INFO] generating key: rsa-2048
2021/10/13 08:45:02 [INFO] encoded CSR
2021/10/13 08:45:02 [INFO] signed certificate with serial number

```

94621886147451167932985802617972292973670499706

2021/10/13 08:45:02 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for

websites. For more information see the Baseline Requirements for the Issuance and Management

of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>);

specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:02 [INFO] generate received request

2021/10/13 08:45:02 [INFO] received CSR

2021/10/13 08:45:02 [INFO] generating key: rsa-2048

2021/10/13 08:45:02 [INFO] encoded CSR

2021/10/13 08:45:02 [INFO] signed certificate with serial number

383397438749373688449114060873410853343428910823

2021/10/13 08:45:02 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for

websites. For more information see the Baseline Requirements for the Issuance and Management

of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>);

specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:02 [INFO] generate received request

2021/10/13 08:45:02 [INFO] received CSR

2021/10/13 08:45:02 [INFO] generating key: rsa-2048

2021/10/13 08:45:02 [INFO] encoded CSR

2021/10/13 08:45:02 [INFO] signed certificate with serial number

14512620822991274378209769856655292175761843471

2021/10/13 08:45:02 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for

websites. For more information see the Baseline Requirements for the Issuance and Management

of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>);

specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:02 [INFO] generate received request

2021/10/13 08:45:02 [INFO] received CSR

2021/10/13 08:45:02 [INFO] generating key: rsa-2048

2021/10/13 08:45:03 [INFO] encoded CSR

2021/10/13 08:45:03 [INFO] signed certificate with serial number

188545996907467723299915151709476924544738510270

2021/10/13 08:45:03 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for

websites. For more information see the Baseline Requirements for the Issuance and Management

of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>);

specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:03 [INFO] generate received request

2021/10/13 08:45:03 [INFO] received CSR

2021/10/13 08:45:03 [INFO] generating key: rsa-2048

2021/10/13 08:45:04 [INFO] encoded CSR

2021/10/13 08:45:04 [INFO] signed certificate with serial number

91696473561361924935468367340359197126536685744

2021/10/13 08:45:04 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for

websites. For more information see the Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>); specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:04 [INFO] generate received request  
2021/10/13 08:45:04 [INFO] received CSR  
2021/10/13 08:45:04 [INFO] generating key: rsa-2048  
2021/10/13 08:45:04 [INFO] encoded CSR  
2021/10/13 08:45:04 [INFO] signed certificate with serial number 495955236857372482241346534286259258632582505208  
2021/10/13 08:45:04 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for websites. For more information see the Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>); specifically, section 10.2.3 ("Information Requirements").

2021/10/13 08:45:04 [INFO] generate received request  
2021/10/13 08:45:04 [INFO] received CSR  
2021/10/13 08:45:04 [INFO] generating key: rsa-2048  
2021/10/13 08:45:04 [INFO] encoded CSR  
2021/10/13 08:45:04 [INFO] signed certificate with serial number 253069084154866168421873688771491868431221315664  
2021/10/13 08:45:04 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for websites. For more information see the Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>); specifically, section 10.2.3 ("Information Requirements").

Waiting for apiserver to come up  
+++ [1013 08:45:13] On try 8, apiserver: : ok  
clusterrolebinding.rbac.authorization.k8s.io/kube-apiserver-kubelet-admin created  
Cluster "local-up-cluster" set.  
use 'kubectl --kubeconfig=/var/run/kubernetes/admin-kube-aggregator0.kubeconfig' to use the aggregated API server

2021/10/13 08:45:14 [INFO] generate received request  
2021/10/13 08:45:14 [INFO] received CSR  
2021/10/13 08:45:14 [INFO] generating key: rsa-2048  
2021/10/13 08:45:14 [INFO] encoded CSR  
2021/10/13 08:45:14 [INFO] signed certificate with serial number 435722359328350278060685907242780862153379072245  
2021/10/13 08:45:14 [WARNING] This certificate lacks a "hosts" field. This makes it unsuitable for websites. For more information see the Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, v.1.1.6, from the CA/Browser Forum (<https://cabforum.org>); specifically, section 10.2.3 ("Information Requirements").

service/kube-dns created  
serviceaccount/kube-dns created  
configmap/kube-dns created  
deployment.apps/kube-dns created  
Kube-dns addon successfully deployed.



[illegible]



```

Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
Waiting for node ready at api server
ip-172-31-28-218 Ready <none> 5m34s v0.8.0
node/ip-172-31-28-218 labeled
configmap/virtlet-image-translations created
daemonset.apps/virtlet created
configmap/virtlet-config created
clusterrolebinding.rbac.authorization.k8s.io/virtlet created
clusterrole.rbac.authorization.k8s.io/virtlet created
clusterrole.rbac.authorization.k8s.io/configmap-reader created
clusterrole.rbac.authorization.k8s.io/virtlet-userdata-reader created
clusterrolebinding.rbac.authorization.k8s.io/kubelet-node-binding created
clusterrolebinding.rbac.authorization.k8s.io/vm-userdata-binding created
clusterrole.rbac.authorization.k8s.io/virtlet-crd created
clusterrolebinding.rbac.authorization.k8s.io/virtlet-crd created
serviceaccount/virtlet created
NAME          DESIRED    CURRENT    READY    UP-TO-DATE    AVAILABLE    NODE SELECTOR    AGE
virtlet        0          0          0        0             0            <none>           0s
clusterrole.rbac.authorization.k8s.io/system:arktos-network-reader created
clusterrolebinding.rbac.authorization.k8s.io/system:kubelet-network-reader created

```

Arktos Setup done.

\*\*\*\*\*

Setup Kata Containers components ...

\* Install Kata components

kata-containers 2.2.1 from Kata Containers (katacontainers✓) installed

\* Checking Kata compatibility

No newer release available time="2021-10-13T08:51:06Z" level=error msg="CPU property not found" arch=amd64 description="Virtualization support" name=vmx pid=20231 source=runtime type=flag time="2021-10-13T08:51:06Z" level=error msg="Module is not loaded and it can not be inserted. Please consider running with sudo or as root" arch=amd64 module=vhost\_net name=kata-runtime pid=20231 source=runtime time="2021-10-13T08:51:06Z" level=error msg="kernel property not found" arch=amd64 description="Host kernel accelerator for

```
virtio network" name=vhost_net pid=20231 source=runtime type=module
time="2021-10-13T08:51:06Z" level=error msg="Module is not loaded and it can not be
inserted. Please consider running with sudo or as root" arch=amd64 module=vhost_vsock
name=kata-runtime pid=20231 source=runtime time="2021-10-13T08:51:06Z" level=error
msg="kernel property not found" arch=amd64 description="Host Support for Linux VM Sockets"
name=vhost_vsock pid=20231 source=runtime type=module time="2021-10-13T08:51:06Z"
level=error msg="Module is not loaded and it can not be inserted. Please consider running
with sudo or as root" arch=amd64 module=kvm_intel name=kata-runtime pid=20231
source=runtime time="2021-10-13T08:51:06Z" level=error msg="kernel property not found"
arch=amd64 description="Intel KVM" name=kvm_intel pid=20231 source=runtime type=module
time="2021-10-13T08:51:06Z" level=error msg="Module is not loaded and it can not be
inserted. Please consider running with sudo or as root" arch=amd64 module=kvm
name=kata-runtime pid=20231 source=runtime time="2021-10-13T08:51:06Z" level=error
msg="kernel property not found" arch=amd64 description="Kernel-based Virtual Machine"
name=kvm pid=20231 source=runtime type=module time="2021-10-13T08:51:06Z" level=error
msg="Module is not loaded and it can not be inserted. Please consider running with sudo
or as root" arch=amd64 module=vhost name=kata-runtime pid=20231 source=runtime
time="2021-10-13T08:51:06Z" level=error msg="kernel property not found" arch=amd64
description="Host kernel accelerator for virtio" name=vhost pid=20231 source=runtime
type=module time="2021-10-13T08:51:06Z" level=error msg="ERROR: System is not capable of
running Kata Containers" arch=amd64 name=kata-runtime pid=20231 source=runtime ERROR:
System is not capable of running Kata Containers
Aborted. Current system does not support Kata Containers.
Kata Setup done.
```

\*\*\*\*\*

Local Kubernetes cluster is running. Press Ctrl-C to shut it down.

Logs:

```
/tmp/kube-apiserver0.log
/tmp/kube-controller-manager.log
```

```
/tmp/kube-proxy.log
/tmp/kube-scheduler.log
/tmp/kubelet.log
```

To start using your cluster, you can open up another terminal/tab and run:

```
export KUBECONFIG=/var/run/kubernetes/admin.kubeconfig
Or
export KUBECONFIG=/var/run/kubernetes/adminN(N=0,1,...).kubeconfig

cluster/kubect1.sh
```

Alternatively, you can write to the default kubeconfig:

```
export KUBERNETES_PROVIDER=local

cluster/kubect1.sh config set-cluster local --server=https://ip-172-31-28-218:6443
--certificate-authority=/var/run/kubernetes/server-ca.crt
cluster/kubect1.sh config set-credentials myself
--client-key=/var/run/kubernetes/client-admin.key
--client-certificate=/var/run/kubernetes/client-admin.crt
cluster/kubect1.sh config set-context local --cluster=local --user=myself
cluster/kubect1.sh config use-context local
```

cluster/kubect1.sh