
Session stopped

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

login as: amit

amit@192.168.1.175's password:

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

→ SSH session to amit@192.168.1.175

- 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 4.15.0-158-generic x86_64)

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

System information as of Tue Sep 28 05:15:05 UTC 2021

System load:	0.07	Processes:	251
Usage of /:	16.2% of 60.78GB	Users logged in:	0
Memory usage:	0%	IP address for ens160:	192.168.1.175
Swap usage:	0%		

158 packages can be updated.

114 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/amit/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

amit@amit:~\$ Uname -a

Command 'Uname' not found, did you mean:

command 'uname' from deb coreutils

Try: sudo apt install <deb name>

```
amit@amit:~$ uname -a
Linux amit 4.15.0-158-generic #166-Ubuntu SMP Fri Sep 17 19:37:52 UTC 2021 x86_64 x86_64
x86_64 GNU/Linux
amit@amit:~$ wget
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh
--2021-09-29 09:40:24--
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh
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: 791 [text/plain]
Saving to: 'kernelupdate.sh'
```

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

2021-09-29 09:40:24 (16.4 MB/s) - 'kernelupdate.sh' saved [791/791]

```
amit@amit:~$ sudo bash kernelupdate.sh
[sudo] password for amit:
--2021-09-29 09:42:26--
https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-headers-5.6.0-rc2_5.6.0-rc2-1_amd6
4.deb
Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.217.132.193
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.132.193|: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  2.68MB/s    in 2.7s
```

2021-09-29 09:42:30 (2.68 MB/s) -
'../linux-5.6-rc2/linux-headers-5.6.0-rc2_5.6.0-rc2-1_amd64.deb' saved
[7621020/7621020]

```
--2021-09-29 09:42:30--
https://mizar.s3.amazonaws.com/linux-5.6-rc2/linux-image-5.6.0-rc2-dbg_5.6.0-rc2-1_am
d64.deb
Resolving mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)... 52.216.97.163
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.216.97.163|: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 6.87MB/s in 2m 10s

2021-09-29 09:44:41 (6.28 MB/s) -

'./linux-5.6-rc2/linux-image-5.6.0-rc2-dbg_5.6.0-rc2-1_amd64.deb' saved
[857827912/857827912]

--2021-09-29 09:44:41--

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)... 52.217.130.25

Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.130.25|: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 5.91MB/s in 11s

2021-09-29 09:44:53 (4.85 MB/s) -

'./linux-5.6-rc2/linux-image-5.6.0-rc2_5.6.0-rc2-1_amd64.deb' saved
[56427036/56427036]

--2021-09-29 09:44:53--

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)... 52.217.89.124

Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.89.124|: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 824KB/s in 1.3s

2021-09-29 09:44:56 (824 KB/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 ... 67144 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.

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-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-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 (5.6.0-rc2-1) ...
update-initramfs: Generating /boot/initrd.img-5.6.0-rc2
Searching for GRUB installation directory ... found: /boot/grub
Searching for default file ... found: /boot/grub/default
Testing for an existing GRUB menu.lst file ... found: /boot/grub/menu.lst
Searching for splash image ... none found, skipping ...
Found kernel: /vmlinuz-4.15.0-158-generic
Replacing config file /run/grub/menu.lst with new version
Found kernel: /vmlinuz-5.6.0-rc2
Found kernel: /vmlinuz-4.15.0-158-generic
Replacing config file /run/grub/menu.lst with new version
Updating /boot/grub/menu.lst ... done
```

```
Sourcing file `/etc/default/grub'
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-4.15.0-158-generic
Found initrd image: /boot/initrd.img-4.15.0-158-generic
done
Setting up linux-image-5.6.0-rc2-dbg (5.6.0-rc2-1) ...
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

login as: amit

amit@192.168.1.175's password:

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

→ SSH session to amit@192.168.1.175
• 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 Sep 29 10:10:46 UTC 2021

System load: 0.0	Processes: 251
Usage of /: 27.5% of 60.78GB	Users logged in: 0
Memory usage: 0%	IP address for ens160: 192.168.1.175
Swap usage: 0%	

* Canonical Livepatch is available for installation.
- Reduce system reboots and improve kernel security. Activate at:
<https://ubuntu.com/livepatch>

78 packages can be updated.
1 update is a security update.

```
Last login: Tue Sep 28 05:15:07 2021 from 192.168.1.1
amit@amit:~$ uname -a
uname: extra operand '-'
Try 'uname --help' for more information.
amit@amit:~$ uname -a
Linux amit 5.6.0-rc2 #1 SMP Tue Feb 25 18:54:05 UTC 2020 x86_64 x86_64 x86_64 GNU/Linux
amit@amit:~$ git clone https://github.com/Click2Cloud-Centaurus/arktos.git
~/go/src/k8s.io/arktos -b default-cni-mizar
Cloning into '/home/amit/go/src/k8s.io/arktos'...
remote: Enumerating objects: 104467, done.
remote: Counting objects: 100% (1130/1130), done.
remote: Compressing objects: 100% (683/683), done.
remote: Total 104467 (delta 564), reused 635 (delta 431), pack-reused 103337
Receiving objects: 100% (104467/104467), 333.11 MiB | 9.89 MiB/s, done.
Resolving deltas: 100% (63151/63151), done.
Checking out files: 100% (20762/20762), done.
amit@amit:~$ sudo bash $HOME/go/src/k8s.io/arktos/hack/setup-dev-node.sh
[sudo] password for amit:
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://in.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://in.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [2,262 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1,754
kB]
Get:7 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [376
kB]
Get:8 http://in.archive.ubuntu.com/ubuntu bionic-security/main amd64 Packages [1,904 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu bionic-security/main Translation-en [345 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages
```

```
[468 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu bionic-security/restricted Translation-en
[63.0 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu bionic-security/universe amd64 Packages
[1,140 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu bionic-security/universe Translation-en [260
kB]
Fetched 8,823 kB in 3s (2,665 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
69 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 69 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://in.archive.ubuntu.com/ubuntu bionic/universe amd64 pigz amd64 2.4-1 [57.4
kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 bridge-utils amd64
1.5-15ubuntu1 [30.1 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 runc amd64
1.0.0~rc95-0ubuntu1~18.04.2 [4,087 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 containerd
amd64 1.5.2-0ubuntu1~18.04.2 [32.9 MB]
Get:5 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 docker.io amd64
20.10.7-0ubuntu1~18.04.1 [36.9 MB]
Get:6 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 ubuntu-fan all 0.12.10 [34.7
kB]
Fetched 74.0 MB in 7s (10.2 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 98729 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_1.5.2-0ubuntu1~18.04.2_amd64.deb ...
Unpacking containerd (1.5.2-0ubuntu1~18.04.2) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../4-docker.io_20.10.7-0ubuntu1~18.04.1_amd64.deb ...
```

```
Unpacking docker.io (20.10.7-0ubuntu1~18.04.1) ...
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 (1.5.2-0ubuntu1~18.04.2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
/lib/systemd/system/containerd.service.
/usr/sbin/policy-rc.d returned 101, not running 'start 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.
invoke-rc.d: policy-rc.d denied execution of start.
Setting up pigz (2.4-1) ...
Setting up docker.io (20.10.7-0ubuntu1~18.04.1) ...
Adding group `docker' (GID 113) ...
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.
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for systemd (237-3ubuntu10.50) ...
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 69 not upgraded.
Need to get 154 kB of archives.
After this operation, 381 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 make amd64 4.1-9.1ubuntu1
[154 kB]
Fetched 154 kB in 0s (809 kB/s)
Selecting previously unselected package make.
(Reading database ... 99052 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 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

The following packages will be upgraded:

libc6

1 upgraded, 26 newly installed, 0 to remove and 68 not upgraded.

Need to get 32.5 MB of archives.

After this operation, 112 MB of additional disk space will be used.

Get:1 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libc6 amd64

2.27-3ubuntu1.4 [2,832 kB]

Get:2 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 binutils-common

amd64 2.30-21ubuntu1~18.04.5 [197 kB]

Get:3 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libbinutils amd64

2.30-21ubuntu1~18.04.5 [489 kB]

Get:4 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64

binutils-x86-64-linux-gnu amd64 2.30-21ubuntu1~18.04.5 [1,839 kB]

Get:5 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 binutils amd64

2.30-21ubuntu1~18.04.5 [3,388 B]

Get:6 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 gcc-7-base amd64

7.5.0-3ubuntu1~18.04 [18.3 kB]

Get:7 <http://in.archive.ubuntu.com/ubuntu> bionic/main amd64 libisl19 amd64 0.19-1 [551
kB]

Get:8 <http://in.archive.ubuntu.com/ubuntu> bionic/main amd64 libmpc3 amd64 1.1.0-1 [40.8
kB]

Get:9 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 cpp-7 amd64

7.5.0-3ubuntu1~18.04 [8,591 kB]

Get:10 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 cpp amd64

4:7.4.0-1ubuntu2.3 [27.7 kB]

Get:11 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libcc1-0 amd64

8.4.0-1ubuntu1~18.04 [39.4 kB]

Get:12 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libgomp1 amd64

8.4.0-1ubuntu1~18.04 [76.5 kB]

Get:13 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libitm1 amd64

8.4.0-1ubuntu1~18.04 [27.9 kB]

Get:14 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libatomic1 amd64

8.4.0-1ubuntu1~18.04 [9,192 B]

Get:15 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libasan4 amd64

7.5.0-3ubuntu1~18.04 [358 kB]

Get:16 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 liblsan0 amd64

8.4.0-1ubuntu1~18.04 [133 kB]

Get:17 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libtsan0 amd64

8.4.0-1ubuntu1~18.04 [288 kB]

Get:18 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libubsan0 amd64

7.5.0-3ubuntu1~18.04 [126 kB]

Get:19 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libcilkrts5 amd64

7.5.0-3ubuntu1~18.04 [42.5 kB]

Get:20 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libmpx2 amd64

8.4.0-1ubuntu1~18.04 [11.6 kB]

Get:21 <http://in.archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libquadmath0 amd64


```
8.4.0-1ubuntu1~18.04 [134 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgcc-7-dev amd64
7.5.0-3ubuntu1~18.04 [2,378 kB]
Get:23 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 gcc-7 amd64
7.5.0-3ubuntu1~18.04 [9,381 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 gcc amd64
4:7.4.0-1ubuntu2.3 [5,184 B]
Get:25 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libc-dev-bin amd64
2.27-3ubuntu1.4 [71.8 kB]
Get:26 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libc6-dev amd64
2.27-3ubuntu1.4 [2,585 kB]
Get:27 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 manpages-dev all 4.15-1
[2,217 kB]
Fetched 32.5 MB in 4s (7,980 kB/s)
Preconfiguring packages ...
(Reading database ... 99068 files and directories currently installed.)
Preparing to unpack .../libc6_2.27-3ubuntu1.4_amd64.deb ...
Unpacking libc6:amd64 (2.27-3ubuntu1.4) over (2.27-3ubuntu1.2) ...
Setting up libc6:amd64 (2.27-3ubuntu1.4) ...
Selecting previously unselected package binutils-common:amd64.
(Reading database ... 99068 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 (2.27-3ubuntu1.2) ...
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 68 not upgraded.
Need to get 276 kB of archives.
After this operation, 930 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu bionic/universe amd64 libonig4 amd64 6.7.0-1
[119 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic/universe amd64 libjq1 amd64 1.5+dfsg-2
[111 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic/universe amd64 jq amd64 1.5+dfsg-2
[45.6 kB]
Fetched 276 kB in 0s (1,020 kB/s)
Selecting previously unselected package libonig4:amd64.
(Reading database ... 102329 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 (2.27-3ubuntu1.2) ...
Install golang.
--2021-09-29 10:48:05-- https://dl.google.com/go/go1.13.9.linux-amd64.tar.gz
Resolving dl.google.com (dl.google.com)... 142.250.183.46, 2404:6800:4009:82d::200e
Connecting to dl.google.com (dl.google.com)|142.250.183.46|: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 3.22MB/s in 41s

2021-09-29 10:48:48 (2.79 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.

amit@amit:~\$ echo export PATH=\$PATH:/usr/local/go/bin \>> ~/.profile

amit@amit:~\$ echo cd \"\$HOME/go/src/k8s.io/arktos \>> ~/.profile

amit@amit:~\$ source ~/.profile

amit@amit:~/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,QPSDoubleGCCController=true,QPSDoubleRSController=true,MandatoryArktosNetwork=true

DBG: effective disabling admission plugins

DBG: effective default network template file is

/home/amit/go/src/k8s.io/arktos/hack/testdata/default-flat-network.tpl

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.

Containerd is required for Arktos

amit@amit:~/go/src/k8s.io/arktos\$ sudo service containerd restart

amit@amit:~/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,QPSDoubleGCCController=true,QPSDoubleRSController=true,MandatoryArktosNetwork=true

DBG: effective disabling admission plugins

DBG: effective default network template file is

/home/amit/go/src/k8s.io/arktos/hack/testdata/default-flat-network.tpl

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 will use mizar to provision pod network

Checking arktos containerd...

arktos containerd not found...

--2021-09-29 10:57:00--

<https://github.com/containerd/containerd/releases/download/v1.4.2/containerd-1.4.2-linux-amd64.tar.gz>

Resolving github.com (github.com)... 13.234.210.38

Connecting to github.com (github.com)|13.234.210.38|:443... connected.

HTTP request sent, awaiting response... 302 Found

Location:

<https://github-releases.githubusercontent.com/46089560/5cad0000-2fc0-11eb-8e3a-ed435a7b945c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210>

929%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210929T105701Z&X-Amz-Expires=300&X-Amz-Signature=9cd71e8bbbc498189fd99a07ef9712cc6236f4f08b481b7f4d3e57eae868d6c0&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=46089560&response-content-disposition=attachment%3B%20filename%3Dcontainerd-1.4.2-linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]

--2021-09-29 10:57:01--

https://github-releases.githubusercontent.com/46089560/5cad0000-2fc0-11eb-8e3a-ed435a7b945c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWJYAX4CSVEH53A%2F20210929%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210929T105701Z&X-Amz-Expires=300&X-Amz-Signature=9cd71e8bbbc498189fd99a07ef9712cc6236f4f08b481b7f4d3e57eae868d6c0&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=46089560&response-content-disposition=attachment%3B%20filename%3Dcontainerd-1.4.2-linux-amd64.tar.gz&response-content-type=application%2Foctet-stream

Resolving github-releases.githubusercontent.com

(github-releases.githubusercontent.com)... 185.199.111.154, 185.199.109.154, 185.199.108.154, ...

Connecting to github-releases.githubusercontent.com

(github-releases.githubusercontent.com)|185.199.111.154|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 31160021 (30M) [application/octet-stream]

Saving to: '/home/amit/arktos-containerd/containerd-1.4.2-linux-amd64.tar.gz'

containerd-1.4.2-linux-amd64.tar.gz

100%[=====]
==>] 29.72M 10.8MB/s in 2.7s

2021-09-29 10:57:04 (10.8 MB/s) -

'/home/amit/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

--2021-09-29 10:57:20--

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

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

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.111.133|: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 0.001s

2021-09-29 10:57:20 (6.10 MB/s) - '/tmp/libvirt-qemu' saved [6578/6578]

Getting runtime deployment file libvirtd

--2021-09-29 10:57:20--

```
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/libvirt
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.109.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1617 (1.6K) [text/plain]
Saving to: '/tmp/libvirt'
```

```
/tmp/libvirt
100%[=====]
===>] 1.58K --.-KB/s in 0.001s
```

2021-09-29 10:57:20 (2.22 MB/s) - '/tmp/libvirt' saved [1617/1617]

```
Getting runtime deployment file virtlet
--2021-09-29 10:57:20--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/virtlet
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.109.133|: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
```

2021-09-29 10:57:20 (19.4 MB/s) - '/tmp/virtlet' saved [2582/2582]

```
Getting runtime deployment file vms
--2021-09-29 10:57:20--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/apparmor/vms
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.109.133|: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
```

2021-09-29 10:57:21 (10.8 MB/s) - '/tmp/vms' saved [485/485]

```
Getting runtime deployment file vmruntime.yaml
--2021-09-29 10:57:21--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy
```

```
y/data/virtlet-ds.yaml
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133,
185.199.110.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.109.133|: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 0.003s
```

2021-09-29 10:57:21 (3.38 MB/s) - '/tmp/vmruntime.yaml' saved [11643/11643]

```
Getting runtime deployment file images.yaml
--2021-09-29 10:57:21--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/images.yaml
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133,
185.199.110.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.109.133|: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
```

2021-09-29 10:57:21 (5.69 MB/s) - '/tmp/images.yaml' saved [254/254]

```
Stopping Apparmor service
make: Entering directory '/home/amit/go/src/k8s.io/arktos'
make[1]: Entering directory '/home/amit/go/src/k8s.io/arktos'
+++ [0929 10:57:37] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/deepcopy-gen
+++ [0929 10:57:37] Building go targets for linux/amd64:
./vendor/k8s.io/kube-openapi/cmd/openapi-gen
+++ [0929 10:57:37] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/conversion-gen
+++ [0929 10:57:37] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/defaulter-gen
+++ [0929 10:57:44] Building go targets for linux/amd64:
./vendor/github.com/go-bindata/go-bindata/go-bindata
make[1]: Leaving directory '/home/amit/go/src/k8s.io/arktos'
Running copyright check for repo: /home/amit/go/src/k8s.io/arktos, logging to
_output/ArktosCopyrightTool.log
~/go/src/k8s.io/arktos ~/go/src/k8s.io/arktos
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.
~/go/src/k8s.io/arktos
~/go/src/k8s.io/arktos ~/go/src/k8s.io/arktos
```

```
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.
~/go/src/k8s.io/arktos
Inspecting copyright files, writing logs to _output/ArktosCopyrightTool.log
Done.
+++ [0929 10:58:27] Building go targets for linux/amd64:
cmd/kubectl
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/amit/go/src/k8s.io/arktos, logging to
_output/ArktosCopyrightTool.log
~/go/src/k8s.io/arktos ~/go/src/k8s.io/arktos
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.
~/go/src/k8s.io/arktos
~/go/src/k8s.io/arktos ~/go/src/k8s.io/arktos
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.
~/go/src/k8s.io/arktos
Inspecting copyright files, writing logs to _output/ArktosCopyrightTool.log
Done.
make: Leaving directory '/home/amit/go/src/k8s.io/arktos'
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/amit/go/src/k8s.io/arktos/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/amit/go/src/k8s.io/arktos/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
100	623	100	558	0	0:00:01	0:00:01	558
100	9.8M	100	2484k	0	0:00:04	0:00:04	3447k
% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
0	0	0	0	0	--:--:--	--:--:--	0


```
100 627 100 627 0 0 1201 0 --:--:-- --:--:-- --:--:-- 1201
100 2224k 100 2224k 0 0 1332k 0 0:00:01 0:00:01 --:--:-- 2548k
Detected host and ready to start services. Doing some housekeeping first...
Using GO_OUT /home/amit/go/src/k8s.io/arktos/_output/local/bin/linux/amd64
Starting services now!
Starting etcd
```

The current version is 3.4.3

```
etcd --name amit --listen-peer-urls http://192.168.1.175:2380 --advertise-client-urls
http://192.168.1.175:2379 --data-dir /tmp/tmp.kFIT1h1b5b --listen-client-urls
http://192.168.1.175:2379,http://127.0.0.1:2379 --listen-peer-urls
http://192.168.1.175:2380 --debug > "/tmp/etcd.log" 2>/dev/null
Waiting for etcd to come up.
+++ [0929 11:03:14] On try 3, etcd: : {"health":"true"}
{"header":{"cluster_id":"5196986188345157414","member_id":"2656108389546066537","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/amit/.rnd into RNG
139722585964992:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/amit/.rnd
Generating a RSA private key
.....+++++
.....+++++
writing new private key to '/var/run/kubernetes/server-ca.key'
-----
Can't load /home/amit/.rnd into RNG
140412010308032:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/amit/.rnd
Generating a RSA private key
.....+++++
.....+++++
writing new private key to '/var/run/kubernetes/client-ca.key'
-----
Can't load /home/amit/.rnd into RNG
140546968588736:error:2406F079:random number generator:RAND_load_file:Cannot open
file:../crypto/rand/randfile.c:88:Filename=/home/amit/.rnd
Generating a RSA private key
.....+++++
.....+++++
writing new private key to '/var/run/kubernetes/request-header-ca.key'
-----
2021/09/29 11:03:15 [INFO] generate received request
2021/09/29 11:03:15 [INFO] received CSR
2021/09/29 11:03:15 [INFO] generating key: rsa-2048
2021/09/29 11:03:16 [INFO] encoded CSR
2021/09/29 11:03:16 [INFO] signed certificate with serial number
169934422408207420917549784217117219062487226349
2021/09/29 11:03:16 [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").

2021/09/29 11:03:16 [INFO] generate received request

2021/09/29 11:03:16 [INFO] received CSR

2021/09/29 11:03:16 [INFO] generating key: rsa-2048

2021/09/29 11:03:18 [INFO] encoded CSR

2021/09/29 11:03:18 [INFO] signed certificate with serial number

51920115879187667675598685723134028094071823235

2021/09/29 11:03:18 [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").

2021/09/29 11:03:18 [INFO] generate received request

2021/09/29 11:03:18 [INFO] received CSR

2021/09/29 11:03:18 [INFO] generating key: rsa-2048

2021/09/29 11:03:18 [INFO] encoded CSR

2021/09/29 11:03:18 [INFO] signed certificate with serial number

566099542260771989168666923612436723295078758407

2021/09/29 11:03:18 [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").

2021/09/29 11:03:18 [INFO] generate received request

2021/09/29 11:03:18 [INFO] received CSR

2021/09/29 11:03:18 [INFO] generating key: rsa-2048

2021/09/29 11:03:20 [INFO] encoded CSR

2021/09/29 11:03:20 [INFO] signed certificate with serial number

369781936166453279203514225024744611071688560318

2021/09/29 11:03:20 [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").

2021/09/29 11:03:20 [INFO] generate received request

2021/09/29 11:03:20 [INFO] received CSR

2021/09/29 11:03:20 [INFO] generating key: rsa-2048

2021/09/29 11:03:21 [INFO] encoded CSR

2021/09/29 11:03:21 [INFO] signed certificate with serial number

22583551840601587747943025948043207853034334951

2021/09/29 11:03:21 [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").

2021/09/29 11:03:21 [INFO] generate received request

2021/09/29 11:03:21 [INFO] received CSR

2021/09/29 11:03:21 [INFO] generating key: rsa-2048
2021/09/29 11:03:22 [INFO] encoded CSR
2021/09/29 11:03:22 [INFO] signed certificate with serial number
147193409630888739176927013310803317113577512730
2021/09/29 11:03:22 [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").
2021/09/29 11:03:22 [INFO] generate received request
2021/09/29 11:03:22 [INFO] received CSR
2021/09/29 11:03:22 [INFO] generating key: rsa-2048
2021/09/29 11:03:23 [INFO] encoded CSR
2021/09/29 11:03:23 [INFO] signed certificate with serial number
482103870944598610853642328788879197633559719213
2021/09/29 11:03:23 [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").
2021/09/29 11:03:23 [INFO] generate received request
2021/09/29 11:03:23 [INFO] received CSR
2021/09/29 11:03:23 [INFO] generating key: rsa-2048
2021/09/29 11:03:23 [INFO] encoded CSR
2021/09/29 11:03:23 [INFO] signed certificate with serial number
35679075173077148398938763849225029395880162499
2021/09/29 11:03:23 [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").
2021/09/29 11:03:23 [INFO] generate received request
2021/09/29 11:03:23 [INFO] received CSR
2021/09/29 11:03:23 [INFO] generating key: rsa-2048
2021/09/29 11:03:24 [INFO] encoded CSR
2021/09/29 11:03:24 [INFO] signed certificate with serial number
726392518017934885270959024985035689703802096654
2021/09/29 11:03:24 [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
+++ [0929 11:03:38] On try 10, 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

2021/09/29 11:03:40 [INFO] generate received request

2021/09/29 11:03:40 [INFO] received CSR

2021/09/29 11:03:40 [INFO] generating key: rsa-2048

2021/09/29 11:03:41 [INFO] encoded CSR

2021/09/29 11:03:41 [INFO] signed certificate with serial number

477862828915047239000630961106891808110773690669

2021/09/29 11:03:41 [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.

2021/09/29 11:03:42 [INFO] generate received request

2021/09/29 11:03:42 [INFO] received CSR

2021/09/29 11:03:42 [INFO] generating key: rsa-2048

2021/09/29 11:03:44 [INFO] encoded CSR

2021/09/29 11:03:44 [INFO] signed certificate with serial number

100629180320150712579708212887394690536613663193

2021/09/29 11:03:44 [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").

kubelet (30583) is running.

customresourcedefinition.apiextensions.k8s.io/bouncers.mizar.com created

customresourcedefinition.apiextensions.k8s.io/dividers.mizar.com created

customresourcedefinition.apiextensions.k8s.io/droplets.mizar.com created

customresourcedefinition.apiextensions.k8s.io/endpoints.mizar.com created

customresourcedefinition.apiextensions.k8s.io/subnets.mizar.com created

customresourcedefinition.apiextensions.k8s.io/vpcs.mizar.com created

serviceaccount/mizar-operator created

clusterrolebinding.rbac.authorization.k8s.io/mizar-operator created

daemonset.apps/mizar-daemon created

deployment.apps/mizar-operator created

Create default storage class for

storageclass.storage.k8s.io/standard created

customresourcedefinition.apiextensions.k8s.io/networks.arktos.futurewei.com created

Setup Arktos components ...

No resources found.

Waiting for node ready at api server

No resources found.

Waiting for node ready at api server

No resources found.

Waiting for node ready at api server

[illegible]

[illegible]

[illegible]

[illegible]

```
node/amit labeled
```

```
daemonset.apps/virtlet created
```

```
clusterrolebinding.rbac.authorization.k8s.io/virtlet created
```

```
clusterrole.rbac.authorization.k8s.io/configmap-reader created
```

```
clusterrolebinding.rbac.authorization.k8s.io/kubelet-node-binding created
```

```
clusterrole.rbac.authorization.k8s.io/virtlet-crd created
```

```
serviceaccount/virtlet created
```

```
virtlet    0          0          0          0          0          <none>    0s
```

```
clusterrolebinding.rbac.authorization.k8s.io/system:kubelet-network-reader
```

Arktos Setup done.

Setup Kata Containers components ...

```
2021-09-29T11:14:48Z INFO Waiting for automatic snapd restart...
```

```
* Checking Kata compatibility
```



```

found" arch=amd64 description="Virtualization support" name=vmx pid=30690 source=runtime
type=flag time="2021-09-29T11:15:39Z" 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=30690 source=runtime time="2021-09-29T11:15:39Z" level=error
msg="kernel property not found" arch=amd64 description="Kernel-based Virtual Machine"
name=kvm pid=30690 source=runtime type=module time="2021-09-29T11:15:39Z" 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=30690 source=runtime
time="2021-09-29T11:15:39Z" level=error msg="kernel property not found" arch=amd64
description="Host kernel accelerator for virtio" name=vhost pid=30690 source=runtime
type=module time="2021-09-29T11:15:39Z" 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=30690 source=runtime time="2021-09-29T11:15:39Z" level=error
msg="kernel property not found" arch=amd64 description="Host kernel accelerator for
virtio network" name=vhost_net pid=30690 source=runtime type=module
time="2021-09-29T11:15:39Z" 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=30690 source=runtime time="2021-09-29T11:15:39Z" level=error
msg="kernel property not found" arch=amd64 description="Host Support for Linux VM Sockets"
name=vhost_vsock pid=30690 source=runtime type=module time="2021-09-29T11:15:39Z"
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=30690
source=runtime time="2021-09-29T11:15:39Z" level=error msg="kernel property not found"
arch=amd64 description="Intel KVM" name=kvm_intel pid=30690 source=runtime type=module
time="2021-09-29T11:15:39Z" level=error msg="ERROR: System is not capable of running Kata
Containers" arch=amd64 name=kata-runtime pid=30690 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://amit:6443
--certificate-authority=/var/run/kubernetes/server-ca.crt

```

```
cluster/kubectl.sh config set-credentials myself
--client-key=/var/run/kubernetes/client-admin.key
--client-certificate=/var/run/kubernetes/client-admin.crt
cluster/kubectl.sh config set-context local --cluster=local --user=myself
cluster/kubectl.sh config use-context local
cluster/kubectl.sh
```