

Authenticating with public key "Imported-Openssh-Key:
C:\\Users\\pramod.meshram\\Downloads\\pramod-latest.pem"

```
• MobaXterm 20.6 •  
(SSH client, X-server and networking tools)  
  
→ SSH session to ubuntu@34.215.152.48  
• SSH compression : v  
• SSH-browser      : v  
• X11-forwarding   : v (remote display is forwarded through SSH)  
• DISPLAY          : v (automatically set on remote server)  
  
→ 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 Sat Oct 23 13:41:24 UTC 2021

System load:	0.12	Processes:	193
Usage of /:	0.9% of 124.02GB	Users logged in:	0
Memory usage:	0%	IP address for eth0:	172.31.28.71
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-172-31-28-71:~$  
ubuntu@ip-172-31-28-71:~$ uname -a  
Linux ip-172-31-28-71 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-172-31-28-71:~$ wget  
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh  
--2021-10-23 13:54:59--  
https://raw.githubusercontent.com/CentaurusInfra/mizar/dev-next/kernelupdate.sh  
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,  
185.199.109.133, 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

2021-10-23 13:54:59 (38.4 MB/s) - 'kernelupdate.sh' saved [791/791]

ubuntu@ip-172-31-28-71:~\$ sudo bash kernelupdate.sh
--2021-10-23 13:55:09--
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)... 52.217.203.233
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.203.233|: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
100%[=====>] 7.27M 6.21MB/s
in 1.2s

2021-10-23 13:55:10 (6.21 MB/s) -
'./linux-5.6-rc2/linux-headers-5.6.0-rc2_5.6.0-rc2-1_amd64.deb' saved
[7621020/7621020]

--2021-10-23 13:55:10--
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)... 52.217.81.164
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.81.164|: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
100%[=====>] 818.09M 23.8MB/s
in 45s

2021-10-23 13:55:55 (18.3 MB/s) -
'./linux-5.6-rc2/linux-image-5.6.0-rc2-dbg_5.6.0-rc2-1_amd64.deb' saved
[857827912/857827912]

--2021-10-23 13:55:55--
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)... 52.217.64.4
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.64.4|: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
100%[=====>] 53.81M 5.21MB/s
in 13s

2021-10-23 13:56:08 (4.24 MB/s) -
'./linux-5.6-rc2/linux-image-5.6.0-rc2_5.6.0-rc2-1_amd64.deb' saved
[56427036/56427036]

--2021-10-23 13:56:08--
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)... 52.217.204.105
Connecting to mizar.s3.amazonaws.com (mizar.s3.amazonaws.com)|52.217.204.105|: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.
100%[=====>] 1.03M 1.47MB/s
in 0.7s

2021-10-23 13:56:10 (1.47 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

Authenticating with public key "Imported-Openssh-Key:
C:\\Users\\pramod.meshram\\Downloads\\pramod-latest.pem"

```
• MobaXterm 20.6 •  
(SSH client, X-server and networking tools)  
  
→ SSH session to ubuntu@34.215.152.48  
• SSH compression : v  
• SSH-browser      : v  
• X11-forwarding   : v (remote display is forwarded through SSH)  
• DISPLAY          : v (automatically set on remote server)  
  
→ 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 Sat Oct 23 14:05:07 UTC 2021

System load:	0.02	Processes:	170
Usage of /:	6.5% of 124.02GB	Users logged in:	0
Memory usage:	0%	IP address for eth0:	172.31.28.71
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: Sat Oct 23 13:41:25 2021 from 114.143.207.106
ubuntu@ip-172-31-28-71:~\$
ubuntu@ip-172-31-28-71:~\$ uname -a
Linux ip-172-31-28-71 5.6.0-rc2 #1 SMP Tue Feb 25 18:54:05 UTC 2020 x86_64 x86_64 x86_64
GNU/Linux
ubuntu@ip-172-31-28-71:~\$ 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: 104105, done.
remote: Counting objects: 100% (663/663), done.
remote: Compressing objects: 100% (440/440), done.
remote: Total 104105 (delta 295), reused 423 (delta 200), pack-reused 103442
Receiving objects: 100% (104105/104105), 208.41 MiB | 27.46 MiB/s, done.
Resolving deltas: 100% (62711/62711), done.
Checking out files: 100% (20761/20761), done.
ubuntu@ip-172-31-28-71:~$ ll
total 52
drwxr-xr-x 6 ubuntu ubuntu 4096 Oct 23 14:13 ./
drwxr-xr-x 4 root root 4096 Oct 23 13:55 ../
-rw-r--r-- 1 ubuntu ubuntu 61 Oct 23 14:05 .Xauthority
-rw-r--r-- 1 ubuntu ubuntu 120 Oct 23 14:00 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Apr 4 2018 .bashrc
drwxr-xr-x 2 ubuntu ubuntu 4096 Oct 23 13:41 .cache/
drwxr-xr-x 3 ubuntu ubuntu 4096 Oct 23 13:41 .gnupg/
-rw-r--r-- 1 ubuntu ubuntu 807 Apr 4 2018 .profile
drwxr-xr-x 2 ubuntu ubuntu 4096 Oct 23 13:39 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 Oct 23 13:55 .sudo_as_admin_successful
-rw-rw-r-- 1 ubuntu ubuntu 180 Oct 23 13:54 .wget-hsts
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 go/
-rw-rw-r-- 1 ubuntu ubuntu 791 Oct 23 13:54 kernelupdate.sh
ubuntu@ip-172-31-28-71:~$ cd ~/go/src/k8s.io/arktos
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ ll
total 268
drwxrwxr-x 21 ubuntu ubuntu 4096 Oct 23 14:13 ./
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 ../
lrwxrwxrwx 1 ubuntu ubuntu 19 Oct 23 14:13 .bazelrc -> build/root/.bazelrc
-rw-rw-r-- 1 ubuntu ubuntu 785 Oct 23 14:13 .generated_files
drwxrwxr-x 8 ubuntu ubuntu 4096 Oct 23 14:13 .git/
-rw-rw-r-- 1 ubuntu ubuntu 381 Oct 23 14:13 .gitattributes
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 .github/
-rw-rw-r-- 1 ubuntu ubuntu 2433 Oct 23 14:13 .gitignore
lrwxrwxrwx 1 ubuntu ubuntu 25 Oct 23 14:13 .kazelcfg.json ->
build/root/.kazelcfg.json
lrwxrwxrwx 1 ubuntu ubuntu 21 Oct 23 14:13 BUILD.bazel -> build/root/BUILD.root
drwxrwxr-x 2 ubuntu ubuntu 4096 Oct 23 14:13 CHANGELOG/
-rw-rw-r-- 1 ubuntu ubuntu 7237 Oct 23 14:13 CONTRIBUTING.md
drwxrwxr-x 2 ubuntu ubuntu 4096 Oct 23 14:13 Godeps/
-rw-rw-r-- 1 ubuntu ubuntu 11358 Oct 23 14:13 LICENSE
lrwxrwxrwx 1 ubuntu ubuntu 19 Oct 23 14:13 Makefile -> build/root/Makefile
lrwxrwxrwx 1 ubuntu ubuntu 35 Oct 23 14:13 Makefile.generated_files ->
build/root/Makefile.generated_files
-rw-rw-r-- 1 ubuntu ubuntu 121 Oct 23 14:13 OWNERS
-rw-rw-r-- 1 ubuntu ubuntu 4677 Oct 23 14:13 README.md
-rw-rw-r-- 1 ubuntu ubuntu 773 Oct 23 14:13 SUPPORT.md
lrwxrwxrwx 1 ubuntu ubuntu 20 Oct 23 14:13 WORKSPACE -> build/root/WORKSPACE
drwxrwxr-x 4 ubuntu ubuntu 4096 Oct 23 14:13 api/
-rw-rw-r-- 1 ubuntu ubuntu 496 Oct 23 14:13 aws_build_version
-rw-rw-r-- 1 ubuntu ubuntu 1425 Oct 23 14:13 aws_kube_params.inc
drwxrwxr-x 13 ubuntu ubuntu 4096 Oct 23 14:13 build/
drwxrwxr-x 13 ubuntu ubuntu 4096 Oct 23 14:13 cluster/
drwxrwxr-x 26 ubuntu ubuntu 4096 Oct 23 14:13 cmd/

```

```

-rw-rw-r-- 1 ubuntu ubuntu 270 Oct 23 14:13 code-of-conduct.md
drwxrwxr-x 6 ubuntu ubuntu 4096 Oct 23 14:13 docs/
-rw-rw-r-- 1 ubuntu ubuntu 47290 Oct 23 14:13 go.mod
-rw-rw-r-- 1 ubuntu ubuntu 66436 Oct 23 14:13 go.sum
drwxrwxr-x 14 ubuntu ubuntu 4096 Oct 23 14:13 hack/
drwxrwxr-x 2 ubuntu ubuntu 4096 Oct 23 14:13 logo/
-rw-rw-r-- 1 ubuntu ubuntu 1856 Oct 23 14:13 mkdocs.yml
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 perf-tests/
drwxrwxr-x 35 ubuntu ubuntu 4096 Oct 23 14:13 pkg/
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 plugin/
-rw-rw-r-- 1 ubuntu ubuntu 275 Oct 23 14:13 readthedocs.yml
drwxrwxr-x 4 ubuntu ubuntu 4096 Oct 23 14:13 staging/
drwxrwxr-x 17 ubuntu ubuntu 4096 Oct 23 14:13 test/
drwxrwxr-x 7 ubuntu ubuntu 4096 Oct 23 14:13 third_party/
drwxrwxr-x 4 ubuntu ubuntu 4096 Oct 23 14:13 translations/
drwxrwxr-x 17 ubuntu ubuntu 4096 Oct 23 14:13 vendor/
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ cd /home/ubuntu
ubuntu@ip-172-31-28-71:~$ ll
total 52
drwxr-xr-x 6 ubuntu ubuntu 4096 Oct 23 14:13 ./
drwxr-xr-x 4 root root 4096 Oct 23 13:55 ../
-rw----- 1 ubuntu ubuntu 61 Oct 23 14:05 .Xauthority
-rw----- 1 ubuntu ubuntu 120 Oct 23 14:00 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Apr 4 2018 .bashrc
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:41 .cache/
drwx----- 3 ubuntu ubuntu 4096 Oct 23 13:41 .gnupg/
-rw-r--r-- 1 ubuntu ubuntu 807 Apr 4 2018 .profile
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:39 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 Oct 23 13:55 .sudo_as_admin_successful
-rw-rw-r-- 1 ubuntu ubuntu 180 Oct 23 13:54 .wget-hsts
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 go/
-rw-rw-r-- 1 ubuntu ubuntu 791 Oct 23 13:54 kernelupdate.sh
ubuntu@ip-172-31-28-71:~$ cd ~/go/src/k8s.io/arktos
ubuntu@ip-172-31-28-71:~$ ll
total 52
drwxr-xr-x 6 ubuntu ubuntu 4096 Oct 23 14:13 ./
drwxr-xr-x 4 root root 4096 Oct 23 13:55 ../
-rw----- 1 ubuntu ubuntu 61 Oct 23 14:05 .Xauthority
-rw----- 1 ubuntu ubuntu 120 Oct 23 14:00 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Apr 4 2018 .bashrc
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:41 .cache/
drwx----- 3 ubuntu ubuntu 4096 Oct 23 13:41 .gnupg/
-rw-r--r-- 1 ubuntu ubuntu 807 Apr 4 2018 .profile
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:39 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 Oct 23 13:55 .sudo_as_admin_successful
-rw-rw-r-- 1 ubuntu ubuntu 180 Oct 23 13:54 .wget-hsts
drwxrwxr-x 3 ubuntu ubuntu 4096 Oct 23 14:13 go/
-rw-rw-r-- 1 ubuntu ubuntu 791 Oct 23 13:54 kernelupdate.sh
ubuntu@ip-172-31-28-71:~$ rm -rf go/
ubuntu@ip-172-31-28-71:~$
ubuntu@ip-172-31-28-71:~$ ll
total 48
drwxr-xr-x 5 ubuntu ubuntu 4096 Oct 23 14:50 ./

```

```

drwxr-xr-x 4 root root 4096 Oct 23 13:55 ./
-rw----- 1 ubuntu ubuntu 61 Oct 23 14:05 .Xauthority
-rw----- 1 ubuntu ubuntu 120 Oct 23 14:00 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Apr 4 2018 .bashrc
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:41 .cache/
drwx----- 3 ubuntu ubuntu 4096 Oct 23 13:41 .gnupg/
-rw-r--r-- 1 ubuntu ubuntu 807 Apr 4 2018 .profile
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:39 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 Oct 23 13:55 .sudo_as_admin_successful
-rw-rw-r-- 1 ubuntu ubuntu 180 Oct 23 13:54 .wget-hsts
-rw-rw-r-- 1 ubuntu ubuntu 791 Oct 23 13:54 kernelupdate.sh
ubuntu@ip-172-31-28-71:~$ git clone
https://github.com/Click2Cloud-Centaurus/arktos.git
Cloning into 'arktos'...
remote: Enumerating objects: 61570, done.
remote: Counting objects: 100% (974/974), done.
remote: Compressing objects: 100% (567/567), done.
remote: Total 61570 (delta 554), reused 614 (delta 390), pack-reused 60596
Receiving objects: 100% (61570/61570), 221.37 MiB | 28.31 MiB/s, done.
Resolving deltas: 100% (37790/37790), done.
Checking out files: 100% (20761/20761), done.
ubuntu@ip-172-31-28-71:~$ ~/go/src/k8s.io/arktos
-bash: /home/ubuntu/go/src/k8s.io/arktos: No such file or directory
ubuntu@ip-172-31-28-71:~$ cd ~/go/src/k8s.io/arktos
-bash: cd: /home/ubuntu/go/src/k8s.io/arktos: No such file or directory
ubuntu@ip-172-31-28-71:~$ git checkout cni-mizar
fatal: not a git repository (or any of the parent directories): .git
ubuntu@ip-172-31-28-71:~$ sudo bash ./hack/setup-dev-node.sh
bash: ./hack/setup-dev-node.sh: No such file or directory
ubuntu@ip-172-31-28-71:~$ ll
total 52
drwxr-xr-x 6 ubuntu ubuntu 4096 Oct 23 14:51 ./
drwxr-xr-x 4 root root 4096 Oct 23 13:55 ../
-rw----- 1 ubuntu ubuntu 61 Oct 23 14:05 .Xauthority
-rw----- 1 ubuntu ubuntu 120 Oct 23 14:00 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 Apr 4 2018 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Apr 4 2018 .bashrc
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:41 .cache/
drwx----- 3 ubuntu ubuntu 4096 Oct 23 13:41 .gnupg/
-rw-r--r-- 1 ubuntu ubuntu 807 Apr 4 2018 .profile
drwx----- 2 ubuntu ubuntu 4096 Oct 23 13:39 .ssh/
-rw-r--r-- 1 ubuntu ubuntu 0 Oct 23 13:55 .sudo_as_admin_successful
-rw-rw-r-- 1 ubuntu ubuntu 180 Oct 23 13:54 .wget-hsts
drwxrwxr-x 21 ubuntu ubuntu 4096 Oct 23 14:51 arktos/
-rw-rw-r-- 1 ubuntu ubuntu 791 Oct 23 13:54 kernelupdate.sh
ubuntu@ip-172-31-28-71:~$
ubuntu@ip-172-31-28-71:~$ git clone
https://github.com/Click2Cloud-Centaurus/arktos.git ~/go/src/k8s.io/arktos
Cloning into '/home/ubuntu/go/src/k8s.io/arktos'...
remote: Enumerating objects: 61570, done.
remote: Counting objects: 100% (974/974), done.
remote: Compressing objects: 100% (567/567), done.
remote: Total 61570 (delta 554), reused 614 (delta 390), pack-reused 60596
Receiving objects: 100% (61570/61570), 221.37 MiB | 24.33 MiB/s, done.

```

```
Resolving deltas: 100% (37790/37790), done.
Checking out files: 100% (20761/20761), done.
ubuntu@ip-172-31-28-71:~$ cd ~/go/src/k8s.io/arktos
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ git checkout cni-mizar
error: pathspec 'cni-mizar' did not match any file(s) known to git.
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ sudo bash ./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://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en
[4941 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
[2277 kB]
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main
Translation-en [442 kB]
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64
Packages [513 kB]
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted
Translation-en [69.7 kB]
Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64
Packages [1759 kB]
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe
Translation-en [378 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 [1930 kB]
Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [348 kB]
Get:23 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [487
kB]
Get:24 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en
[65.7 kB]
Get:25 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1144
kB]
```



```
Get:26 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [262
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 23.8 MB in 6s (3965 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 (51.6 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 (0 B/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 (57.6 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 (17.4 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.
--2021-10-23 15:01:42-- https://dl.google.com/go/go1.13.9.linux-amd64.tar.gz
Resolving dl.google.com (dl.google.com)... 142.251.33.110, 2607:f8b0:400a:801::200e
Connecting to dl.google.com (dl.google.com)|142.251.33.110|: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 21.9MB/s
in 6.1s

2021-10-23 15:01:49 (18.9 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-172-31-28-71:~/go/src/k8s.io/arktos$
```

```
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ ll
```

```
total 268
drwxrwxr-x 21 ubuntu ubuntu 4096 Oct 23 15:00 ./
drwxrwxr-x  3 ubuntu ubuntu 4096 Oct 23 15:00 ../
lrwxrwxrwx  1 ubuntu ubuntu   19 Oct 23 15:00 .bazelrc -> build/root/.bazelrc
-rw-rw-r--  1 ubuntu ubuntu   785 Oct 23 15:00 .generated_files
drwxrwxr-x  8 ubuntu ubuntu 4096 Oct 23 15:00 .git/
-rw-rw-r--  1 ubuntu ubuntu   381 Oct 23 15:00 .gitattributes
drwxrwxr-x  3 ubuntu ubuntu 4096 Oct 23 15:00 .github/
-rw-rw-r--  1 ubuntu ubuntu 2433 Oct 23 15:00 .gitignore
lrwxrwxrwx  1 ubuntu ubuntu   25 Oct 23 15:00 .kazelcfg.json ->
build/root/.kazelcfg.json
lrwxrwxrwx  1 ubuntu ubuntu   21 Oct 23 15:00 BUILD.bazel -> build/root/BUILD.root
drwxrwxr-x  2 ubuntu ubuntu 4096 Oct 23 15:00 CHANGELOG/
-rw-rw-r--  1 ubuntu ubuntu 7237 Oct 23 15:00 CONTRIBUTING.md
drwxrwxr-x  2 ubuntu ubuntu 4096 Oct 23 15:00 Godeps/
-rw-rw-r--  1 ubuntu ubuntu 11358 Oct 23 15:00 LICENSE
lrwxrwxrwx  1 ubuntu ubuntu   19 Oct 23 15:00 Makefile -> build/root/Makefile
lrwxrwxrwx  1 ubuntu ubuntu   35 Oct 23 15:00 Makefile.generated_files ->
build/root/Makefile.generated_files
-rw-rw-r--  1 ubuntu ubuntu   121 Oct 23 15:00 OWNERS
-rw-rw-r--  1 ubuntu ubuntu 4677 Oct 23 15:00 README.md
-rw-rw-r--  1 ubuntu ubuntu   773 Oct 23 15:00 SUPPORT.md
lrwxrwxrwx  1 ubuntu ubuntu   20 Oct 23 15:00 WORKSPACE -> build/root/WORKSPACE
drwxrwxr-x  4 ubuntu ubuntu 4096 Oct 23 15:00 api/
-rw-rw-r--  1 ubuntu ubuntu   496 Oct 23 15:00 aws_build_version
-rw-rw-r--  1 ubuntu ubuntu 1425 Oct 23 15:00 aws_kube_params.inc
drwxrwxr-x 13 ubuntu ubuntu 4096 Oct 23 15:00 build/
drwxrwxr-x 13 ubuntu ubuntu 4096 Oct 23 15:00 cluster/
drwxrwxr-x 26 ubuntu ubuntu 4096 Oct 23 15:00 cmd/
-rw-rw-r--  1 ubuntu ubuntu   270 Oct 23 15:00 code-of-conduct.md
drwxrwxr-x  6 ubuntu ubuntu 4096 Oct 23 15:00 docs/
-rw-rw-r--  1 ubuntu ubuntu 47290 Oct 23 15:00 go.mod
-rw-rw-r--  1 ubuntu ubuntu 66436 Oct 23 15:00 go.sum
drwxrwxr-x 14 ubuntu ubuntu 4096 Oct 23 15:00 hack/
drwxrwxr-x  2 ubuntu ubuntu 4096 Oct 23 15:00 logo/
-rw-rw-r--  1 ubuntu ubuntu 1856 Oct 23 15:00 mkdocs.yml
drwxrwxr-x  3 ubuntu ubuntu 4096 Oct 23 15:00 perf-tests/
drwxrwxr-x 35 ubuntu ubuntu 4096 Oct 23 15:00 pkg/
drwxrwxr-x  3 ubuntu ubuntu 4096 Oct 23 15:00 plugin/
-rw-rw-r--  1 ubuntu ubuntu   275 Oct 23 15:00 readthedocs.yaml
drwxrwxr-x  4 ubuntu ubuntu 4096 Oct 23 15:00 staging/
drwxrwxr-x 17 ubuntu ubuntu 4096 Oct 23 15:00 test/
drwxrwxr-x  7 ubuntu ubuntu 4096 Oct 23 15:00 third_party/
drwxrwxr-x  4 ubuntu ubuntu 4096 Oct 23 15:00 translations/
drwxrwxr-x 17 ubuntu ubuntu 4096 Oct 23 15:00 vendor/
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ pwd
/home/ubuntu/go/src/k8s.io/arktos
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ ll net
ls: cannot access 'net': No such file or directory
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ ll net*
ls: cannot access 'net*': No such file or directory
```

```

ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ echo export
PATH=$PATH:/usr/local/go/bin\ >> ~/.profile
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ echo cd \"$HOME/go/src/k8s.io/arktos >>
~/.profile
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ source ~/.profile
ubuntu@ip-172-31-28-71:~/go/src/k8s.io/arktos$ ./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/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 bridge; arktos will use bridge to provision pod network
Ensuring firewall to allow traffic forward by default
-P FORWARD DROP
-P FORWARD ACCEPT
Ensuring minimum cni plugin installation...
installing cni plugin binaries
./
./flannel
./ptp
./host-local
./firewall
./portmap
./tuning
./vlan
./host-device
./bandwidth
./sbr
./static
./dhcp
./ipvlan
./macvlan
./loopback
./bridge
2021-10-23 15:12:14
URL:https://github-releases.githubusercontent.com/84575398/53318d00-bf61-11e9-9a8f-40
364582e9ed?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F2
0211023%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20211023T151213Z&X-Amz-Expires=300
&X-Amz-Signature=d640036dae30b89de0d1c0d01d34531b7b7ace60836ea34f445bd2f4ca2230ec&X-A
mz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=84575398&response-content-dispositi
on=attachment%3B%20filename%3Dcni-plugins-linux-amd64-v0.8.2.tgz&response-content-typ
e=application%2Foctet-stream [36662740/36662740] -> "-" [1]
setting up cni conf file...
copying /home/ubuntu/go/src/k8s.io/arktos/hack/testdata/cni-conf/bridge.conf to
/etc/cni/net.d/bridge.conf...
copied /home/ubuntu/go/src/k8s.io/arktos/hack/testdata/cni-conf/bridge.conf to
/etc/cni/net.d/bridge.conf

```



```
done with bridge cni plugin installation
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
--2021-10-23 15:12:14--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deplo
y/apparmor/libvirt-qemu
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133,
185.199.109.133, 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: 6578 (6.4K) [text/plain]
Saving to: '/tmp/libvirt-qemu'

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

2021-10-23 15:12:14 (55.3 MB/s) - '/tmp/libvirt-qemu' saved [6578/6578]

Getting runtime deployment file  libvirtd
--2021-10-23 15:12:14--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deplo
y/apparmor/libvirtd
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.111.133,
185.199.110.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.111.133|: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

2021-10-23 15:12:14 (24.5 MB/s) - '/tmp/libvirtd' saved [1617/1617]

Getting runtime deployment file  virtlet
--2021-10-23 15:12:14--
https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deplo
y/apparmor/virtlet
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.111.133,
185.199.110.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com
(raw.githubusercontent.com)|185.199.111.133|: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

2021-10-23 15:12:14 (35.4 MB/s) - '/tmp/virtlet' saved [2582/2582]

Getting runtime deployment file vms

--2021-10-23 15:12:14--

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

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

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.111.133|: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

2021-10-23 15:12:15 (24.3 MB/s) - '/tmp/vms' saved [485/485]

Getting runtime deployment file vmruntime.yaml

--2021-10-23 15:12:15--

https://raw.githubusercontent.com/futurewei-cloud/arktos-vm-runtime/release-0.6/deploy/data/virtlet-ds.yaml

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

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.111.133|: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

2021-10-23 15:12:15 (61.6 MB/s) - '/tmp/vmruntime.yaml' saved [11643/11643]

Getting runtime deployment file images.yaml

--2021-10-23 15:12:15--

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

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

Connecting to raw.githubusercontent.com

(raw.githubusercontent.com)|185.199.111.133|: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

2021-10-23 15:12:15 (13.0 MB/s) - '/tmp/images.yaml' saved [254/254]

Stopping Apparmor service

make: Entering directory '/home/ubuntu/go/src/k8s.io/arktos'

make[1]: Entering directory '/home/ubuntu/go/src/k8s.io/arktos'

+++ [1023 15:12:22] Building go targets for linux/amd64:

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

+++ [1023 15:12:22] Building go targets for linux/amd64:

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

+++ [1023 15:12:22] Building go targets for linux/amd64:

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

+++ [1023 15:12:22] Building go targets for linux/amd64:

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

+++ [1023 15:12:25] Building go targets for linux/amd64:

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

make[1]: Leaving directory '/home/ubuntu/go/src/k8s.io/arktos'

Running copyright check for repo: /home/ubuntu/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 3062 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 3062 and retry
the command.

~/go/src/k8s.io/arktos

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

+++ [1023 15:12:47] 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/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 3062 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 3062 and retry
the command.

~/go/src/k8s.io/arktos

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

```

Done.
make: Leaving directory '/home/ubuntu/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-amd64.tar.gz succeed
etcd v3.4.3 installed. To use:
export PATH="/home/ubuntu/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/games:/snap/bin:/usr/local/go/bin:/home/ubuntu/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	2324	0	--:--:--	--:--:--	2324
100	9.8M	100	17.1M	0	--:--:--	--:--:--	17.1M

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
0	0	0	0	0	--:--:--	--:--:--	0
100	627	100	2824	0	--:--:--	--:--:--	2824
100	2224k	100	5234k	0	--:--:--	--:--:--	12.5M

```

Detected host and ready to start services. Doing some housekeeping first...
Using GO_OUT /home/ubuntu/go/src/k8s.io/arktos/_output/local/bin/linux/amd64
Starting services now!
Starting etcd

```

The current version is 3.4.3

```

etcd --name ip-172-31-28-71 --listen-peer-urls http://172.31.28.71:2380
--advertise-client-urls http://172.31.28.71:2379 --data-dir /tmp/tmp.LzhmOH08f5
--listen-client-urls http://172.31.28.71:2379,http://127.0.0.1:2379 --listen-peer-urls
http://172.31.28.71:2380 --debug > "/tmp/etcd.log" 2>/dev/null
Waiting for etcd to come up.
+++ [1023 15:15:09] On try 2, etcd: : {"health":"true"}
{"header":{"cluster_id":"14505432419212551978","member_id":"987306126119409835","revision":"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
140677854675392: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
140087025402304: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

140009091985856: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'

2021/10/23 15:15:10 [INFO] generate received request

2021/10/23 15:15:10 [INFO] received CSR

2021/10/23 15:15:10 [INFO] generating key: rsa-2048

2021/10/23 15:15:10 [INFO] encoded CSR

2021/10/23 15:15:10 [INFO] signed certificate with serial number

70206457211393610366981475075707874201875246881

2021/10/23 15:15:10 [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").

2021/10/23 15:15:10 [INFO] generate received request

2021/10/23 15:15:10 [INFO] received CSR

2021/10/23 15:15:10 [INFO] generating key: rsa-2048

2021/10/23 15:15:10 [INFO] encoded CSR

2021/10/23 15:15:10 [INFO] signed certificate with serial number

502623337452341897800900814278899843390399622145

2021/10/23 15:15:10 [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").

2021/10/23 15:15:10 [INFO] generate received request

2021/10/23 15:15:10 [INFO] received CSR

2021/10/23 15:15:10 [INFO] generating key: rsa-2048

2021/10/23 15:15:11 [INFO] encoded CSR

2021/10/23 15:15:11 [INFO] signed certificate with serial number

651550215383255931274437324244958173600868910887

2021/10/23 15:15:11 [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").

2021/10/23 15:15:11 [INFO] generate received request

2021/10/23 15:15:11 [INFO] received CSR

2021/10/23 15:15:11 [INFO] generating key: rsa-2048

2021/10/23 15:15:11 [INFO] encoded CSR
2021/10/23 15:15:11 [INFO] signed certificate with serial number
563136887616753831793483767491005792891239519089
2021/10/23 15:15:11 [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").
2021/10/23 15:15:11 [INFO] generate received request
2021/10/23 15:15:11 [INFO] received CSR
2021/10/23 15:15:11 [INFO] generating key: rsa-2048
2021/10/23 15:15:11 [INFO] encoded CSR
2021/10/23 15:15:11 [INFO] signed certificate with serial number
475657886722337452228586118945250461166151242168
2021/10/23 15:15:11 [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").
2021/10/23 15:15:11 [INFO] generate received request
2021/10/23 15:15:11 [INFO] received CSR
2021/10/23 15:15:11 [INFO] generating key: rsa-2048
2021/10/23 15:15:11 [INFO] encoded CSR
2021/10/23 15:15:11 [INFO] signed certificate with serial number
226263071147135560919103960800858668665030269429
2021/10/23 15:15:11 [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").
2021/10/23 15:15:11 [INFO] generate received request
2021/10/23 15:15:11 [INFO] received CSR
2021/10/23 15:15:11 [INFO] generating key: rsa-2048
2021/10/23 15:15:11 [INFO] encoded CSR
2021/10/23 15:15:11 [INFO] signed certificate with serial number
231667312207816162674510125026766768864382858440
2021/10/23 15:15:11 [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").
2021/10/23 15:15:11 [INFO] generate received request
2021/10/23 15:15:11 [INFO] received CSR
2021/10/23 15:15:11 [INFO] generating key: rsa-2048
2021/10/23 15:15:12 [INFO] encoded CSR
2021/10/23 15:15:12 [INFO] signed certificate with serial number
509740398974175334672913804915579866743653504394

2021/10/23 15:15:12 [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").

2021/10/23 15:15:12 [INFO] generate received request

2021/10/23 15:15:12 [INFO] received CSR

2021/10/23 15:15:12 [INFO] generating key: rsa-2048

2021/10/23 15:15:12 [INFO] encoded CSR

2021/10/23 15:15:12 [INFO] signed certificate with serial number 142950484920007047186639304758139277665324701261

2021/10/23 15:15:12 [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

+++ [1023 15:15:22] 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

2021/10/23 15:15:23 [INFO] generate received request

2021/10/23 15:15:23 [INFO] received CSR

2021/10/23 15:15:23 [INFO] generating key: rsa-2048

2021/10/23 15:15:23 [INFO] encoded CSR

2021/10/23 15:15:23 [INFO] signed certificate with serial number 89519591370402170272999457357121601823711163505

2021/10/23 15:15:23 [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").

service/kube-dns created

serviceaccount/kube-dns created

configmap/kube-dns created

deployment.apps/kube-dns created

Kube-dns addon successfully deployed.

2021/10/23 15:15:23 [INFO] generate received request

2021/10/23 15:15:23 [INFO] received CSR

2021/10/23 15:15:23 [INFO] generating key: rsa-2048

2021/10/23 15:15:23 [INFO] encoded CSR

2021/10/23 15:15:23 [INFO] signed certificate with serial number 192762770794462172321125551170300787365285599663

2021/10/23 15:15:23 [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").
kubelet (26101) is running.
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
ip-172-31-28-71 Ready <none> 3s v0.9.0
node/ip-172-31-28-71 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>	1s

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 2.2.2 from Kata Containers (katacontainers✓) installed

* Checking Kata compatibility

No newer release available time="2021-10-23T15:15:41Z" level=error msg="CPU property not found" arch=amd64 description="Virtualization support" name=vmx pid=28421 source=runtime type=flag time="2021-10-23T15:15:41Z" 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=28421 source=runtime time="2021-10-23T15:15:41Z" level=error msg="kernel property not found" arch=amd64 description="Intel KVM" name=kvm_intel pid=28421 source=runtime type=module time="2021-10-23T15:15:41Z" 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=28421 source=runtime time="2021-10-23T15:15:41Z" level=error msg="kernel property not found" arch=amd64 description="Kernel-based Virtual Machine" name=kvm pid=28421 source=runtime type=module time="2021-10-23T15:15:41Z" 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=28421 source=runtime time="2021-10-23T15:15:41Z" level=error msg="kernel property not found" arch=amd64 description="Host kernel accelerator for virtio" name=vhost pid=28421 source=runtime type=module time="2021-10-23T15:15:41Z" 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=28421 source=runtime time="2021-10-23T15:15:41Z" level=error msg="kernel property not found"


```
arch=amd64 description="Host kernel accelerator for virtio network" name=vhost_net
pid=28421 source=runtime type=module time="2021-10-23T15:15:41Z" 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=28421 source=runtime
time="2021-10-23T15:15:41Z" level=error msg="kernel property not found" arch=amd64
description="Host Support for Linux VM Sockets" name=vhost_vsock pid=28421 source=runtime
type=module time="2021-10-23T15:15:41Z" level=error msg="ERROR: System is not capable of
running Kata Containers" arch=amd64 name=kata-runtime pid=28421 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-172-31-28-71:6443
--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
```