

login as: root
Authenticating with public key "root"
Passphrase for key "root":

```
• MobaXterm Personal Edition v21.3 •  
(SSH client, X server and network tools)  
  
→ SSH session to root@34.121.189.233  
• 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 18.04.6 LTS (GNU/Linux 5.4.0-1053-gcp x86_64)

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

System information as of Wed Oct 6 05:20:00 UTC 2021

System load:	0.11	Processes:	274
Usage of /:	1.1% of 145.20GB	Users logged in:	0
Memory usage:	0%	IP address for ens4:	10.128.0.41
Swap usage:	0%		

0 updates can be applied immediately.

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 /root/.Xauthority does not exist  
root@amittestubuntu1804:~# echo "deb [signed-by=/usr/share/keyrings/cloud.google.gpg]  
https://packages.cloud.google.com/apt cloud-sdk main" | sudo tee -a  
/etc/apt/sources.list.d/google-cloud-sdk.list  
deb [signed-by=/usr/share/keyrings/cloud.google.gpg]  
https://packages.cloud.google.com/apt cloud-sdk main  
root@amittestubuntu1804:~# sudo apt-get install apt-transport-https ca-certificates  
gnupg -y -q  
Reading package lists...  
Building dependency tree...  
Reading state information...  
apt is already the newest version (1.6.14).  
apt set to manually installed.  
ca-certificates is already the newest version (20210119~18.04.2).  
ca-certificates set to manually installed.
```

gnupg is already the newest version (2.2.4-1ubuntu1.4).

gnupg set to manually installed.

The following package was automatically installed and is no longer required:

libnuma1

Use 'sudo apt autoremove' to remove it.

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

root@amittestubuntu1804:~# curl https://packages.cloud.google.com/apt/doc/apt-key.gpg

| sudo apt-key --keyring /usr/share/keyrings/cloud.google.gpg add -

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
100	2537	100	2537	0	0	90607	0
--:--:--	--:--:--	--:--:--	--:--:--	--:--:--	--:--:--	--:--:--	90607

OK

root@amittestubuntu1804:~# sudo apt-get update -y && sudo apt-get install make

google-cloud-sdk -y

Hit:1 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic InRelease

Get:2 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]

Get:3 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]

Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]

Get:5 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]

Get:6 https://packages.cloud.google.com/apt cloud-sdk InRelease [6739 B]

Get:7 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]

Get:8 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]

Get:9 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]

Get:10 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [2249 kB]

Get:11 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [438 kB]

Get:12 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1755 kB]

Get:13 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [376 kB]

Get:14 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [27.3 kB]

Get:15 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6808 B]

Get:16 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [10.0 kB]

Get:17 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 B]

Get:18 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [10.3 kB]

Get:19 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 B]

Get:20 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [1904 kB]

Get:21 https://packages.cloud.google.com/apt cloud-sdk/main amd64 Packages [191 kB]

Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [345 kB]

Get:23 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [468 kB]

Get:24 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en

```
[63.0 kB]
Get:25 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1140
kB]
Get:26 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [260
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 23.3 MB in 4s (5352 kB/s)
Reading package lists... Done
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  libnuma1
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  python3-crcmod
Suggested packages:
  google-cloud-sdk-app-engine-java google-cloud-sdk-app-engine-python
  google-cloud-sdk-pubsub-emulator google-cloud-sdk-bigtable-emulator
  google-cloud-sdk-datastore-emulator kubectl make-doc
The following NEW packages will be installed:
  google-cloud-sdk make python3-crcmod
0 upgraded, 3 newly installed, 0 to remove and 8 not upgraded.
Need to get 75.9 MB of archives.
After this operation, 479 MB of additional disk space will be used.
Get:1 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/universe amd64
python3-crcmod amd64 1.7-2build4 [18.4 kB]
Get:2 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/main amd64 make amd64
4.1-9.1ubuntu1 [154 kB]
Get:3 https://packages.cloud.google.com/apt cloud-sdk/main amd64 google-cloud-sdk all
360.0.0-0 [75.8 MB]
Fetched 75.9 MB in 1s (67.1 MB/s)
Selecting previously unselected package python3-crcmod.
(Reading database ... 65612 files and directories currently installed.)
Preparing to unpack .../python3-crcmod_1.7-2build4_amd64.deb ...
Unpacking python3-crcmod (1.7-2build4) ...
Selecting previously unselected package google-cloud-sdk.
Preparing to unpack .../google-cloud-sdk_360.0.0-0_all.deb ...
Unpacking google-cloud-sdk (360.0.0-0) ...
Selecting previously unselected package make.
Preparing to unpack .../make_4.1-9.1ubuntu1_amd64.deb ...
Unpacking make (4.1-9.1ubuntu1) ...
Setting up make (4.1-9.1ubuntu1) ...
Setting up python3-crcmod (1.7-2build4) ...
Setting up google-cloud-sdk (360.0.0-0) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
root@amittestubuntu1804:~# gcloud init
Welcome! This command will take you through the configuration of gcloud.
```

Your current configuration has been set to: [default]

You can skip diagnostics next time by using the following flag:

```
gcloud init --skip-diagnostics
```

Network diagnostic detects and fixes local network connection issues.
Checking network connection...done.
Reachability Check passed.
Network diagnostic passed (1/1 checks passed).

Choose the account you would like to use to perform operations for this configuration:

[1] 538803277248-compute@developer.gserviceaccount.com

[2] Log in with a new account

Please enter your numeric choice: 2

You are running on a Google Compute Engine virtual machine.
It is recommended that you use service accounts for authentication.

You can run:

```
$ gcloud config set account `ACCOUNT`
```

to switch accounts if necessary.

Your credentials may be visible to others with access to this virtual machine. Are you sure you want to authenticate with your personal account?

Do you want to continue (Y/n)? y

Go to the following link in your browser:

https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=urn%3Aietf%3Awg%3Aoauth%3A2.0%3Aaob&scope=openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=FtCpvaYfpyuPf9FKzd4TvlyE0fJXaV&prompt=consent&access_type=offline&code_challenge=ln6T5yElXTSOAQST7dgjI1erjGtZwB97AjXlADIPdH8&code_challenge_method=S256

Enter verification code:

4/1AX4XfWg8ROi88K5Aw4_lq5fdDLdbhiT5p7dVGgT7vF71h4J1qomUSBiXZVc

You are logged in as: [c2c-gce@click2cloud.net].

Pick cloud project to use:

[1] click2cloud

[2] eternal-argon-327706

[3] festive-ray-320412

[4] Create a new project

Please enter numeric choice or text value (must exactly match list item): 1

Your current project has been set to: [click2cloud].

Do you want to configure a default Compute Region and Zone? (Y/n)? n

Created a default .boto configuration file at [/root/.boto]. See this file and [https://cloud.google.com/storage/docs/gsutil/commands/config] for more information about configuring Google Cloud Storage.

Your Google Cloud SDK is configured and ready to use!

* Commands that require authentication will use c2c-gce@click2cloud.net by default

* Commands will reference project `click2cloud` by default

Run `gcloud help config` to learn how to change individual settings

This gcloud configuration is called [default]. You can create additional configurations if you work with multiple accounts and/or projects.

Run `gcloud topic configurations` to learn more.

Some things to try next:

* Run `gcloud --help` to see the Cloud Platform services you can interact with. And run `gcloud help COMMAND` to get help on any gcloud command.

* Run `gcloud topic --help` to learn about advanced features of the SDK like arg files and output formatting

```
root@amittestubuntu1804:~# curl -fsSL https://download.docker.com/linux/ubuntu/gpg |
```

```
sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

```
"deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
```

```
https://download.docker.com/linux/ubuntu \
```

```
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list >
```

```
/dev/nullroot@amittestubuntu1804:~# echo \
```

```
> "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
```

```
https://download.docker.com/linux/ubuntu \
```

```
> $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

```
root@amittestubuntu1804:~# sudo apt-get update -y
```

```
Hit:1 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic InRelease
```

```
Hit:2 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-updates InRelease
```

```
Hit:3 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic-backports InRelease
```

```
Hit:4 https://packages.cloud.google.com/apt cloud-sdk InRelease
```

```
Hit:5 http://security.ubuntu.com/ubuntu bionic-security InRelease
```

```
Get:6 https://download.docker.com/linux/ubuntu bionic InRelease [64.4 kB]
```

```
Get:7 https://download.docker.com/linux/ubuntu bionic/stable amd64 Packages [20.5 kB]
```

```
Fetched 85.0 kB in 1s (145 kB/s)
```

```
Reading package lists... Done
```

```
root@amittestubuntu1804:~# sudo apt-get install docker-ce docker-ce-cli containerd.io -y
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

The following package was automatically installed and is no longer required:

libnuma1

Use 'sudo apt autoremove' to remove it.

The following additional packages will be installed:

docker-ce-rootless-extras docker-scan-plugin libltdl7 pigz

Suggested packages:

aufs-tools cgroupfs-mount | cgroup-lite

Recommended packages:

slirp4netns

The following NEW packages will be installed:

containerd.io docker-ce docker-ce-cli docker-ce-rootless-extras docker-scan-plugin

```
libltdl7 pigz
0 upgraded, 7 newly installed, 0 to remove and 8 not upgraded.
Need to get 95.7 MB of archives.
After this operation, 403 MB of additional disk space will be used.
Get:1 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/universe amd64 pigz amd64
2.4-1 [57.4 kB]
Get:2 http://us-central1.gce.archive.ubuntu.com/ubuntu bionic/main amd64 libltdl7 amd64
2.4.6-2 [38.8 kB]
Get:3 https://download.docker.com/linux/ubuntu bionic/stable amd64 containerd.io amd64
1.4.11-1 [23.7 MB]
Get:4 https://download.docker.com/linux/ubuntu bionic/stable amd64 docker-ce-cli amd64
5:20.10.9~3-0~ubuntu-bionic [38.8 MB]
Get:5 https://download.docker.com/linux/ubuntu bionic/stable amd64 docker-ce amd64
5:20.10.9~3-0~ubuntu-bionic [21.3 MB]
Get:6 https://download.docker.com/linux/ubuntu bionic/stable amd64
docker-ce-rootless-extras amd64 5:20.10.9~3-0~ubuntu-bionic [7911 kB]
Get:7 https://download.docker.com/linux/ubuntu bionic/stable amd64 docker-scan-plugin
amd64 0.8.0~ubuntu-bionic [3888 kB]
Fetched 95.7 MB in 2s (52.6 MB/s)
Selecting previously unselected package pigz.
(Reading database ... 95834 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...
Unpacking pigz (2.4-1) ...
Selecting previously unselected package containerd.io.
Preparing to unpack .../1-containerd.io_1.4.11-1_amd64.deb ...
Unpacking containerd.io (1.4.11-1) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../2-docker-ce-cli_5%3a20.10.9~3-0~ubuntu-bionic_amd64.deb ...
Unpacking docker-ce-cli (5:20.10.9~3-0~ubuntu-bionic) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../3-docker-ce_5%3a20.10.9~3-0~ubuntu-bionic_amd64.deb ...
Unpacking docker-ce (5:20.10.9~3-0~ubuntu-bionic) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack
.../4-docker-ce-rootless-extras_5%3a20.10.9~3-0~ubuntu-bionic_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:20.10.9~3-0~ubuntu-bionic) ...
Selecting previously unselected package docker-scan-plugin.
Preparing to unpack .../5-docker-scan-plugin_0.8.0~ubuntu-bionic_amd64.deb ...
Unpacking docker-scan-plugin (0.8.0~ubuntu-bionic) ...
Selecting previously unselected package libltdl7:amd64.
Preparing to unpack .../6-libltdl7_2.4.6-2_amd64.deb ...
Unpacking libltdl7:amd64 (2.4.6-2) ...
Setting up containerd.io (1.4.11-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
/lib/systemd/system/containerd.service.
Setting up docker-ce-rootless-extras (5:20.10.9~3-0~ubuntu-bionic) ...
Setting up docker-scan-plugin (0.8.0~ubuntu-bionic) ...
Setting up libltdl7:amd64 (2.4.6-2) ...
Setting up docker-ce-cli (5:20.10.9~3-0~ubuntu-bionic) ...
Setting up pigz (2.4-1) ...
Setting up docker-ce (5:20.10.9~3-0~ubuntu-bionic) ...
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 libc-bin (2.27-3ubuntu1.4) ...
Processing triggers for systemd (237-3ubuntu10.52) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
root@amittestubuntu1804:~# wget
https://storage.googleapis.com/golang/go1.15.4.linux-amd64.tar.gz
--2021-10-06 05:44:37--
https://storage.googleapis.com/golang/go1.15.4.linux-amd64.tar.gz
Resolving storage.googleapis.com (storage.googleapis.com)... 173.194.192.128,
209.85.145.128, 209.85.147.128, ...
Connecting to storage.googleapis.com (storage.googleapis.com)|173.194.192.128|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 120906247 (115M) [application/octet-stream]
Saving to: 'go1.15.4.linux-amd64.tar.gz'
```

```
go1.15.4.linux-amd64.tar.gz
100%[=====
==>] 115.30M 134MB/s in 0.9s
```

```
2021-10-06 05:44:38 (134 MB/s) - 'go1.15.4.linux-amd64.tar.gz' saved
[120906247/120906247]
```

```
root@amittestubuntu1804:~# sudo tar -C /usr/local -xzf go1.15.4.linux-amd64.tar.gz
root@amittestubuntu1804:~# sudo echo 'export PATH=$PATH:/usr/local/go/bin' >>
$HOME/.profile
root@amittestubuntu1804:~# sudo echo 'export GOPATH=$HOME/gopath' >> $HOME/.profile
root@amittestubuntu1804:~# source $HOME/.profile
root@amittestubuntu1804:~# mkdir -p $HOME/go/src/k8s.io
root@amittestubuntu1804:~# cd $HOME/go/src/k8s.io
root@amittestubuntu1804:~/go/src/k8s.io# git clone -b ubuntu-image-fix
https://github.com/Click2Cloud-Centaurus/arktos.git
Cloning into 'arktos'...
remote: Enumerating objects: 104527, done.
remote: Counting objects: 100% (1189/1189), done.
remote: Compressing objects: 100% (725/725), done.
remote: Total 104527 (delta 600), reused 646 (delta 447), pack-reused 103338
Receiving objects: 100% (104527/104527), 333.33 MiB | 32.69 MiB/s, done.
Resolving deltas: 100% (63266/63266), done.
Checking out files: 100% (20761/20761), done.
root@amittestubuntu1804:~/go/src/k8s.io# cd $HOME/go/src/k8s.io/arktos
root@amittestubuntu1804:~/go/src/k8s.io/arktos# sudo make clean
+++ [1006 06:09:04] Verifying Prerequisites....
root@amittestubuntu1804:~/go/src/k8s.io/arktos# sudo make quick-release
+++ [1006 06:09:40] Verifying Prerequisites....
+++ [1006 06:09:40] Building Docker image kube-build:build-847a262cf0-5-v1.13.9-2
+++ [1006 06:11:16] Creating data container kube-build-data-847a262cf0-5-v1.13.9-2
+++ [1006 06:11:36] Syncing sources to container
+++ [1006 06:11:46] Running build command...
+++ [1006 06:11:54] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/deepcopy-gen
+++ [1006 06:12:02] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/defaulter-gen
+++ [1006 06:12:09] Building go targets for linux/amd64:
./vendor/k8s.io/code-generator/cmd/conversion-gen
```

```
+++ [1006 06:12:20] Building go targets for linux/amd64:
./vendor/k8s.io/kube-openapi/cmd/openapi-gen
+++ [1006 06:12:31] Building go targets for linux/amd64:
./vendor/github.com/go-bindata/go-bindata/go-bindata
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:12:32] Building go targets for linux/amd64:
cmd/kube-proxy
cmd/kube-apiserver
cmd/kube-controller-manager
cmd/cloud-controller-manager
cmd/workload-controller-manager
cmd/kubelet
cmd/kubeadm
cmd/hyperkube
cmd/kube-scheduler
vendor/k8s.io/apiextensions-apiserver
cluster/gce/gci/mounter
WARN: Skipping copyright check for in-container build as git repo is not available
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:15:40] Building go targets for linux/amd64:
cmd/kube-proxy
cmd/kubeadm
cmd/kubelet
WARN: Skipping copyright check for in-container build as git repo is not available
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:16:24] Building go targets for linux/amd64:
cmd/kubectrl
WARN: Skipping copyright check for in-container build as git repo is not available
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:16:40] Building go targets for linux/amd64:
cmd/gendocs
cmd/genkubedocs
cmd/genman
cmd/genyaml
cmd/genswaggertypedocs
cmd/linkcheck
vendor/github.com/onsi/ginkgo/ginkgo
test/e2e/e2e.test
WARN: Skipping copyright check for in-container build as git repo is not available
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:18:15] Building go targets for linux/amd64:
cmd/kubemark
vendor/github.com/onsi/ginkgo/ginkgo
test/e2e_node/e2e_node.test
WARN: Skipping copyright check for in-container build as git repo is not available
+++ [1006 06:19:21] Syncing out of container
+++ [1006 06:19:59] Building tarball: src
+++ [1006 06:19:59] Building tarball: manifests
+++ [1006 06:19:59] Starting tarball: client linux-amd64
+++ [1006 06:19:59] Waiting on tarballs
+++ [1006 06:20:08] Building tarball: node linux-amd64
+++ [1006 06:20:08] Building images: linux-amd64
+++ [1006 06:20:09] Starting docker build for image: cloud-controller-manager-amd64
+++ [1006 06:20:09] Starting docker build for image: kube-apiserver-amd64
+++ [1006 06:20:09] Starting docker build for image: kube-controller-manager-amd64
```



```
+++ [1006 06:20:09] Starting docker build for image: workload-controller-manager-amd64
+++ [1006 06:20:09] Starting docker build for image: kube-scheduler-amd64
+++ [1006 06:20:09] Starting docker build for image: kube-proxy-amd64
+++ [1006 06:20:09] Building hyperkube image for arch: amd64
+++ [1006 06:20:09] Building conformance image for arch: amd64
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/workload-controller-manager:v0.9.0
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/kube-proxy:v0.9.0
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/kube-scheduler:v0.9.0
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/cloud-controller-manager:v0.9.0
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/kube-controller-manager:v0.9.0
+++ [1006 06:22:40] Deleting docker image k8s.gcr.io/kube-apiserver:v0.9.0
+++ [1006 06:22:40] Deleting hyperkube image k8s.gcr.io/hyperkube-amd64:v0.9.0
+++ [1006 06:23:22] Deleting conformance image k8s.gcr.io/conformance-amd64:v0.9.0
+++ [1006 06:23:22] Docker builds done
+++ [1006 06:23:22] Building tarball: server linux-amd64
+++ [1006 06:25:16] Building tarball: final
+++ [1006 06:25:16] Waiting on test tarballs
+++ [1006 06:25:16] Starting tarball: test linux-amd64
+++ [1006 06:26:06] Building tarball: test portable
+++ [1006 06:26:06] Building tarball: test mondo (deprecated by KEP
sig-testing/20190118-breaking-apart-the-kubernetes-test-tarball)
Running copyright check for repo: /root/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.
root@amittestubuntu1804:~/go/src/k8s.io/arktos# vi cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos# sudo ./cluster/kube-up.sh
... Starting cluster in us-central1-b using provider gce
... calling verify-prereqs
... calling verify-kube-binaries
... calling verify-release-tars
... calling kube-up
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
DBG: uploading image + tar files...
Configuring registry authentication
Adding credentials for all GCR repositories.
WARNING: A long list of credential helpers may cause delays running 'docker build'. We
recommend passing the registry name to configure only the registry you are using.
Docker configuration file updated.
Downloading
https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-am
d64.tar.gz succeed
docker build --pull -t gcr.io/click2cloud/etcd-amd64:3.4.3.0 .
```

```

Sending build context to Docker daemon 46.74MB
Step 1/3 : FROM ubuntu:16.04
16.04: Pulling from library/ubuntu
58690f9b18fc: Pull complete
b51569e7c507: Pull complete
da8ef40b9eca: Pull complete
fb15d46c38dc: Pull complete
Digest: sha256:454054f5bbd571b088db25b662099c6c7b3f0cb78536a2077d54adc48f00cd68
Status: Downloaded newer image for ubuntu:16.04
---> b6f507652425
Step 2/3 : EXPOSE 2379 2380 4001 7001
---> Running in a0d7eedff823
Removing intermediate container a0d7eedff823
---> e7cd23688e33
Step 3/3 : COPY etcd* etcdctl* /usr/local/bin/
---> b552fea2440b
Successfully built b552fea2440b
Successfully tagged gcr.io/click2cloud/etcd-amd64:3.4.3.0
docker tag gcr.io/click2cloud/etcd-amd64:3.4.3.0 gcr.io/click2cloud/etcd-amd64:3.4.3.0
docker push gcr.io/click2cloud/etcd-amd64:3.4.3.0
The push refers to repository [gcr.io/click2cloud/etcd-amd64]
ec7fd3d1d7da: Pushed
1251204ef8fc: Layer already exists
47ef83afae74: Layer already exists
df54c846128d: Layer already exists
be96a3f634de: Layer already exists
3.4.3.0: digest:
sha256:9310a9b8a89c0904f6acb0fb6396149fb152aa637d0651a93a210abf9c0efe16 size: 1362
Created and uploaded the etcd image to docker registry.
rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz
curl -L -O
https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-amd64.tar.gz
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  160  100  160    0    0  1777      0 --:--:-- --:--:-- --:--:--  1758
100  638  100  638    0    0  5452      0 --:--:-- --:--:-- --:--:--  5452
100 16.4M  100 16.4M    0    0  58.2M      0 --:--:-- --:--:-- --:--:--  58.2M
tar xzf etcd-v3.4.3-linux-amd64.tar.gz
cp etcd-v3.4.3-linux-amd64/etcdctl .
docker build --pull -t gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0 .
Sending build context to Docker daemon 81.48MB
Step 1/7 : FROM k8s.gcr.io/debian-base:v1.0.0
v1.0.0: Pulling from debian-base
Digest: sha256:3801f944c765dc1b54900826ca67b1380bb8c73b9caf4a2a27ce613b3ba3e742
Status: Downloaded newer image for k8s.gcr.io/debian-base:v1.0.0
---> 204e96332c91
Step 2/7 : COPY etcdctl etcd-empty-dir-cleanup.sh /
---> ed692367596d
Step 3/7 : RUN chmod a+rx /etcdctl /etcd-empty-dir-cleanup.sh
---> Running in 94b44dc1d661
Removing intermediate container 94b44dc1d661
---> 8172860cada4
Step 4/7 : ENV ETCDCTL /etcdctl
---> Running in 8d5f522234df

```

```

Removing intermediate container 8d5f522234df
---> 046341d23fbb
Step 5/7 : ENV SLEEP_SECOND 3600
---> Running in c457e9890625
Removing intermediate container c457e9890625
---> 47c6ab846394
Step 6/7 : USER nobody:nogroup
---> Running in 201e93dfbf8e
Removing intermediate container 201e93dfbf8e
---> 225d43af7e2a
Step 7/7 : ENTRYPOINT ["/etcd-empty-dir-cleanup.sh"]
---> Running in 320c2ef0892f
Removing intermediate container 320c2ef0892f
---> 022ffcbd4180
Successfully built 022ffcbd4180
Successfully tagged gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0
rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz
docker push gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0
The push refers to repository [gcr.io/click2cloud/etcd-empty-dir-cleanup]
fe4c1e3536da: Pushed
b6a0291a6202: Pushed
fe9a8b4f1dcc: Layer already exists
3.4.3.0: digest:
sha256:f411b182cb47dca32f2b0dc1f9bd6a4e200b040506f3bb51faed4007d939d713 size: 951
Created and uploaded the etcd-empty-dir-cleanup image to docker registry.
+++ Staging tars to Google Storage: gs://kubernetes-staging-d7e6562b7b/kubernetes-devel
+++ kubernetes-server-linux-amd64.tar.gz uploaded (sha1 =
54ff0614616ec0474fbd2e55047bce8fa05a0890)
+++ kubernetes-manifests.tar.gz uploaded (sha1 =
3f129e08907f9fed2747c5b3ba2c4be5671d1b87)
DBG: (at kube-up) image + tar files uploaded
WARNING: The following filter keys were not present in any resource : name, zone
WARNING: The following filter keys were not present in any resource : name, zone
INSTANCE_GROUPS=
NODE_NAMES=
Looking for already existing resources
Found existing network default in AUTO mode.
Creating firewall...
Creating firewall...
IP aliases are disabled.
Found subnet for region us-central1 in network default: default
Starting master and configuring firewalls
Creating firewall...
..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-master].
done.
NAME                                NETWORK  DIRECTION  PRIORITY  ALLOW
DENY  DISABLED
kubernetes-default-internal-master  default  INGRESS    1000
tcp:1-2379,tcp:2382-65535,udp:1-65535,icmp      False
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/disks/kubernetes-master-pd].
NAME                                ZONE          SIZE_GB  TYPE    STATUS

```

kubernetes-master-pd us-central1-b 20 pd-ssd READY

New disks are unformatted. You must format and mount a disk before it can be used. You can find instructions on how to do this at:

<https://cloud.google.com/compute/docs/disks/add-persistent-disk#formatting>

..Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-node>].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW
------	---------	-----------	----------	-------

DENY DISABLED

kubernetes-default-internal-node	default	INGRESS	1000	
----------------------------------	---------	---------	------	--

tcp:1-65535,udp:1-65535,icmp	False			
------------------------------	-------	--	--	--

Creating firewall...

..Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-https>].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY	DISABLED
------	---------	-----------	----------	-------	------	----------

kubernetes-master-https	default	INGRESS	1000	tcp:443		False
-------------------------	---------	---------	------	---------	--	-------

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-ip>].

..Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-etcd>].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY
------	---------	-----------	----------	-------	------

DISABLED

kubernetes-master-etcd	default	INGRESS	1000	tcp:2380,tcp:2381	False
------------------------	---------	---------	------	-------------------	-------

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-internalip>].

MASTER_RESERVED_IP: 35.223.221.146, CREATE_CERT_SERVER_IP: 10.128.0.45

Generating certs for alternate-names:

IP:35.223.221.146,IP:10.128.0.45,IP:10.0.0.1,DNS:kubernetes,DNS:kubernetes.default,DNS:kubernetes.default.svc,DNS:kubernetes.default.svc.cluster.local,DNS:kubernetes-master

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	623	0	--:--:--	--:--:--	4387
100	9.8M	100	9.8M	0	--:--:--	--:--:--	86.0M
0	0	0	0	0	--:--:--	--:--:--	0
100	627	100	627	0	--:--:--	--:--:--	3624
100	2224k	100	2224k	0	--:--:--	--:--:--	7916k

2021/10/06 06:35:58 [INFO] generating a new CA key and certificate from CSR

2021/10/06 06:35:58 [INFO] generate received request

```

2021/10/06 06:35:58 [INFO] received CSR
2021/10/06 06:35:58 [INFO] generating key: ecDSA-256
2021/10/06 06:35:58 [INFO] encoded CSR
2021/10/06 06:35:58 [INFO] signed certificate with serial number
721008478867660003009190003896840395563416564445

```

Generate peer certificates...

```

2021/10/06 06:35:58 [INFO] generate received request
2021/10/06 06:35:58 [INFO] received CSR
2021/10/06 06:35:58 [INFO] generating key: ecDSA-256
2021/10/06 06:35:58 [INFO] encoded CSR
2021/10/06 06:35:58 [INFO] signed certificate with serial number
261818372276854164744645111342898689224049542482

```

Unable to successfully run 'cfssl' from
 /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	4450	0	--:--:--	--:--:--	4450
100	9.8M	100	35.0M	0	--:--:--	--:--:--	35.0M

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
0	0	0	0	0	--:--:--	--:--:--	0
100	627	100	4415	0	--:--:--	--:--:--	4415
100	2224k	100	8933k	0	--:--:--	--:--:--	33.9M

Generate server certificates...

```

2021/10/06 06:35:59 [INFO] generate received request
2021/10/06 06:35:59 [INFO] received CSR
2021/10/06 06:35:59 [INFO] generating key: ecDSA-256
2021/10/06 06:35:59 [INFO] encoded CSR
2021/10/06 06:35:59 [INFO] signed certificate with serial number
691145753324686865922016154567797585084213557695

```

Unable to successfully run 'cfssl' from
 /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	4296	0	--:--:--	--:--:--	4296
100	9.8M	100	35.0M	0	--:--:--	--:--:--	35.0M

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
0	0	0	0	0	--:--:--	--:--:--	0
100	627	100	3993	0	--:--:--	--:--:--	3993
100	2224k	100	8331k	0	--:--:--	--:--:--	8331k

Generate client certificates...

```

2021/10/06 06:35:59 [INFO] generate received request
2021/10/06 06:35:59 [INFO] received CSR
2021/10/06 06:35:59 [INFO] generating key: ecDSA-256
2021/10/06 06:35:59 [INFO] encoded CSR
2021/10/06 06:35:59 [INFO] signed certificate with serial number
453232172959866233956734993599428809240467795634

```

2021/10/06 06:35:59 [WARNING] This certificate lacks a "hosts" field. This makes it
 unsuitable for
 websites. For more information see the Baseline Requirements for the Issuance and

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubern...>]

```

es-minion-all].
done.
NAME                                NETWORK  DIRECTION  PRIORITY  ALLOW                                DENY
DISABLED
kubernetes-minion-all  default  INGRESS    1000      tcp,udp,icmp,esp,ah,ctp
False
Creating nodes.
Using subnet default
Attempt 1 to create kubernetes-minion-template
WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O
performance. For more information, see:
https://developers.google.com/compute/docs/disks#performance.
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/
kubernetes-minion-template].
NAME                                MACHINE_TYPE  PREEMPTIBLE  CREATION_TIMESTAMP
kubernetes-minion-template  n1-standard-2                                2021-10-05T23:36:23.240-07:00
Using subnet default
Attempt 1 to create kubernetes-windows-node-template
WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O
performance. For more information, see:
https://developers.google.com/compute/docs/disks#performance.
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/
kubernetes-windows-node-template].
NAME                                MACHINE_TYPE  PREEMPTIBLE  CREATION_TIMESTAMP
kubernetes-windows-node-template  n1-standard-2                                2021-10-05T23:36:27.615-07:00
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/insta
nceGroupManagers/kubernetes-minion-group].
NAME                                LOCATION      SCOPE  BASE_INSTANCE_NAME      SIZE
TARGET_SIZE  INSTANCE_TEMPLATE      AUTOSCALED
kubernetes-minion-group  us-central1-b  zone   kubernetes-minion-group  0      3
kubernetes-minion-template  no
WARNING: `gcloud compute instance-groups managed wait-until-stable` is deprecated. Please
use `gcloud compute instance-groups managed wait-until --stable` instead.
Waiting for group to become stable, current operations: creating: 3
Waiting for group to become stable, current operations: creating: 3
Group is stable
INSTANCE_GROUPS=kubernetes-minion-group
NODE_NAMES=kubernetes-minion-group-f606 kubernetes-minion-group-g3cr
kubernetes-minion-group-n4st
Trying to find master named 'kubernetes-master'
Looking for address 'kubernetes-master-ip'
Using master: kubernetes-master (external IP: 35.223.221.146)
Waiting up to 300 seconds for cluster initialization.

This will continually check to see if the API for kubernetes is reachable.
This may time out if there was some uncaught error during start up.

.....Kubernetes cluster created.
Cluster "click2cloud_kubernetes" set.
User "click2cloud_kubernetes" set.
Context "click2cloud_kubernetes" created.

```

Switched to context "click2cloud_kubernetes".
User "click2cloud_kubernetes-basic-auth" set.
Wrote config for click2cloud_kubernetes to /root/.kube/config

Kubernetes cluster is running. The master is running at:

<https://35.223.221.146>

The user name and password to use is located in /root/.kube/config.

... calling validate-cluster
Validating gce cluster, MULTIZONE=
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
TOTALSERVER_EXTRA_NUM: 0, EXPECTED_NUM_NODES:4, ALLOWED_NOTREADY_NODES:0
No resources found.

Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.

No resources found.

Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.

Found 4 node(s).

NAME	STATUS	ROLES	AGE	VERSION
kubernetes-master	Ready,SchedulingDisabled	<none>	7s	v0.9.0
kubernetes-minion-group-f606	Ready	<none>	5s	v0.9.0
kubernetes-minion-group-g3cr	Ready	<none>	4s	v0.9.0
kubernetes-minion-group-n4st	Ready	<none>	5s	v0.9.0

Validate output:

NAME	STATUS	MESSAGE	ERROR
controller-manager	Healthy	ok	
scheduler	Healthy	ok	
etcd-0	Healthy	{"health":"true"}	
etcd-1	Healthy	{"health":"true"}	

Cluster validation succeeded

Done, listing cluster services:

Kubernetes master is running at <https://35.223.221.146>

GLBCDefaultBackend is running at

<https://35.223.221.146/api/v1/tenants/system/namespaces/kube-system/services/default-http-backend:http/proxy>

Heapster is running at

<https://35.223.221.146/api/v1/tenants/system/namespaces/kube-system/services/heapster/proxy>

kubernetes-dashboard is running at

<https://35.223.221.146/api/v1/tenants/system/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy>

Metrics-server is running at

<https://35.223.221.146/api/v1/tenants/system/namespaces/kube-system/services/https:metrics-server:/proxy>

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

root@amittestubuntu1804:~/go/src/k8s.io/arktos# ls

BUILD.bazel	LICENSE	README.md	api	cluster
go.mod	mkdocs.yml	plugin	third_party	


```

CHANGELOG      Makefile      SUPPORT.md  aws_build_version  cmd
go.sum  partitionserver-config  readthedocs.yaml  translations
CONTRIBUTING.md  Makefile.generated_files  WORKSPACE  aws_kube_params.inc
code-of-conduct.md  hack  perf-tests  staging  vendor
Godeps      OWNERS      _output  build      docs
logo  pkg      test
root@amittestubuntu1804:~/go/src/k8s.io/arktos# cd cluster
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get nodes
NAME                                STATUS                                ROLES    AGE    VERSION
kubernetes-master                   Ready,SchedulingDisabled              <none>   22m    v0.9.0
kubernetes-minion-group-f606        Ready                                <none>   22m    v0.9.0
kubernetes-minion-group-g3cr        Ready                                <none>   22m    v0.9.0
kubernetes-minion-group-n4st        Ready                                <none>   22m    v0.9.0
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get podes
error: the server doesn't have a resource type "podes"
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get pod
No resources found.
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get pods
No resources found.
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get vpcs
error: the server doesn't have a resource type "vpcs"
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get pods -A
NAMESPACE      NAME                                HASHKEY                                READY
STATUS  RESTARTS  AGE
kube-system   coredns-7778f74bb8-nmxxq          191870671390932619    0/1
Pending  0          32m
kube-system   etcd-empty-dir-cleanup-kubernetes-master  2852408672556892420    1/1
Running  0          31m
kube-system   etcd-server-events-kubernetes-master      6018870288059715222    1/1
Running  0          31m
kube-system   etcd-server-kubernetes-master            7660251543480869998    1/1
Running  0          31m
kube-system   event-exporter-v0.2.5-868dff6494-8p82c    1571634046121721762    0/1
Pending  0          32m
kube-system   fluentd-gcp-scaler-74b46b8776-rpzmm      437014078511354338     0/1
Pending  0          32m
kube-system   fluentd-gcp-v3.2.0-c57xb                7552693265242870184    0/1
Pending  0          31m
kube-system   fluentd-gcp-v3.2.0-gjpg5                4839253697730685587    0/1
Pending  0          31m
kube-system   fluentd-gcp-v3.2.0-rrwtz                7096966233348961890    0/1
Pending  0          31m
kube-system   fluentd-gcp-v3.2.0-zznd8                2470750933297887099    0/1
Pending  0          31m
kube-system   heapster-v1.6.0-beta.1-fdfc69c86-cnjtl    420273089604313399     0/2
Pending  0          32m
kube-system   kube-addon-manager-kubernetes-master      5014754618061431440    1/1
Running  0          30m
kube-system   kube-apiserver-kubernetes-master          5313268434624570340    1/1
Running  0          31m
kube-system   kube-controller-manager-kubernetes-master  4555544611573728811    1/1
Running  0          30m
kube-system   kube-dns-autoscaler-748b78969c-csrbf      4528526902148716915    0/1
Pending  0          31m
kube-system   kube-flannel-ds-8kdqs                   4982678883633728025    0/1

```

Pending	0	31m			
kube-system		kube-flannel-ds-tcx56	163120172151088438	0/1	
Pending	0	31m			
kube-system		kube-flannel-ds-tpnqq	3870071713649678998	0/1	
Pending	0	31m			
kube-system		kube-flannel-ds-xnjzk	7815649071238272011	0/1	
Pending	0	31m			
kube-system		kube-proxy-kubernetes-minion-group-f606	9133671967908790497	1/1	
Running	0	31m			
kube-system		kube-proxy-kubernetes-minion-group-g3cr	9133671967908790497	1/1	
Running	0	31m			
kube-system		kube-proxy-kubernetes-minion-group-n4st	9133671967908790497	1/1	
Running	0	31m			
kube-system		kube-scheduler-kubernetes-master	173618816442430928	1/1	
Running	1	30m			
kube-system		kubernetes-dashboard-848965699-psg8p	5594332003740051283	0/1	
Pending	0	32m			
kube-system		17-default-backend-6497bc5bf6-xx7gw	1168947487809383026	0/1	
Pending	0	32m			
kube-system		17-lb-controller-v1.2.3-kubernetes-master	5013348416365870850	1/1	
Running	0	30m			
kube-system		metrics-server-v0.3.3-5f994fcb77-vfk87	2399421669311870059	0/2	
Pending	0	32m			

```

root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ls
BUILD      clientbin.sh  get-kube-local.sh  kube-down.sh  kubect1.sh
log-dump   restore-from-backup.sh  test-smoke.sh
README.md  common.sh     get-kube.sh        kube-up.sh    kubemark
pre-existing  skeleton      update-storage-objects.sh
addons     gce           images             kube-util.sh  kubernetes-anywhere
proxy-down.sh  test-e2e.sh  validate-cluster.sh
aws        get-kube-binaries.sh  juju             kubeadm.sh    lib
proxy-up.sh   test-network.sh

root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kube-down.sh
Bringing down cluster using provider: gce
... calling verify-prereqs
... calling verify-kube-binaries
... calling kube-down
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
INSTANCE_GROUPS=kubernetes-minion-group
NODE_NAMES=kubernetes-minion-group-f606 kubernetes-minion-group-g3cr
kubernetes-minion-group-n4st
Bringing down cluster
Deleting Managed Instance Group...
..Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instanceGroupManagers/kubernetes-minion-group].
done.
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-minion-template].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-windows-node-template].

```

```

teardown total extra server num: 0
WARNING: The private SSH key file for gcloud does not exist.
WARNING: The public SSH key file for gcloud does not exist.
WARNING: You do not have an SSH key for gcloud.
WARNING: SSH keygen will be executed to generate a key.
Generating public/private rsa key pair.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/google_compute_engine.
Your public key has been saved in /root/.ssh/google_compute_engine.pub.
The key fingerprint is:
SHA256:VmWwXaZ2nMS17rSmdQ0G39dMayXD1/DNRVgbYTeQo0Y root@amittestubuntu1804
The key's randomart image is:
+---[RSA 2048]-----+
|      .*=XB|
|      .+.oB+X|
|      o. .++O|
|      o. oo=B+|
|      SE . .+=|
|      . .+.+|
|      =O|
|      + .|
|      .|
+-----[SHA256]-----+
Updating project ssh metadata...Updated
[https://www.googleapis.com/compute/v1/projects/click2cloud].
Updating project ssh metadata...done.
Waiting for SSH key to propagate.
Warning: Permanently added 'compute.7555524509758979388' (ED25519) to the list of known
hosts.
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
root@35.223.221.146: Permission denied (publickey).
ERROR: (gcloud.compute.ssh) Could not SSH into the instance. It is possible that your
SSH key has not propagated to the instance yet. Try running this command again. If you
still cannot connect, verify that the firewall and instance are set to accept ssh traffic.
Removing etcd replica, name: kubernetes-master, port: 2379, result: 1
root@35.223.221.146: Permission denied (publickey).
ERROR: (gcloud.compute.ssh) [/usr/bin/ssh] exited with return code [255].
Removing etcd replica, name: kubernetes-master, port: 4002, result: 255
Updated
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/insta
nces/kubernetes-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/insta
nces/kubernetes-master].

```

```
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-master-https].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-minion-all].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-master-etcd].
Deleting master's reserved IP
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addre
sses/kubernetes-master-ip].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addre
sses/kubernetes-master-internalip].
Deleting routes kubernetes-a0b3c5ce-5cd7-42aa-b2f2-3b1df422372a
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/routes/kubernetes-
a0b3c5ce-5cd7-42aa-b2f2-3b1df422372a].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-default-internal-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-default-internal-node].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/default-
default-ssh].
Property "current-context" unset.
Property "clusters.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes-basic-auth" unset.
Property "contexts.click2cloud_kubernetes" unset.
Cleared config for click2cloud_kubernetes from /root/.kube/config
Done
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# vi
cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# vi
cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# vi
cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# cd ..
root@amittestubuntu1804:~/go/src/k8s.io/arktos# vi cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos# sudo ./cluster/kube-up.sh
... Starting cluster in us-central1-b using provider gce
... calling verify-prereqs
... calling verify-kube-binaries
... calling verify-release-tars
... calling kube-up
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
DBG: uploading image + tar files...
Configuring registry authentication
```

WARNING: Your config file at [/root/.docker/config.json] contains these credential helper entries:

```
{
  "credHelpers": {
    "gcr.io": "gcloud",
    "us.gcr.io": "gcloud",
    "eu.gcr.io": "gcloud",
    "asia.gcr.io": "gcloud",
    "staging-k8s.gcr.io": "gcloud",
    "marketplace.gcr.io": "gcloud"
  }
}
```

Adding credentials for all GCR repositories.

WARNING: A long list of credential helpers may cause delays running 'docker build'. We recommend passing the registry name to configure only the registry you are using. gcloud credential helpers already registered correctly.

Downloading

<https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-amd64.tar.gz> succeed

docker build --pull -t gcr.io/click2cloud/etcd-amd64:3.4.3.0 .

Sending build context to Docker daemon 46.74MB

Step 1/3 : FROM ubuntu:16.04

16.04: Pulling from library/ubuntu

Digest: sha256:454054f5bbd571b088db25b662099c6c7b3f0cb78536a2077d54adc48f00cd68

Status: Image is up to date for ubuntu:16.04

---> b6f507652425

Step 2/3 : EXPOSE 2379 2380 4001 7001

---> Using cache

---> e7cd23688e33

Step 3/3 : COPY etcd* etcdctl* /usr/local/bin/

---> Using cache

---> b552fea2440b

Successfully built b552fea2440b

Successfully tagged gcr.io/click2cloud/etcd-amd64:3.4.3.0

docker tag gcr.io/click2cloud/etcd-amd64:3.4.3.0 gcr.io/click2cloud/etcd-amd64:3.4.3.0

docker push gcr.io/click2cloud/etcd-amd64:3.4.3.0

The push refers to repository [gcr.io/click2cloud/etcd-amd64]

ec7fd3d1d7da: Pushed

1251204ef8fc: Layer already exists

47ef83afae74: Layer already exists

df54c846128d: Layer already exists

be96a3f634de: Layer already exists

3.4.3.0: digest:

sha256:9310a9b8a89c0904f6acb0fb6396149fb152aa637d0651a93a210abf9c0efe16 size: 1362

Created and uploaded the etcd image to docker registry.

rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz

curl -L -O

<https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-amd64.tar.gz>

% Total		% Received		% Xferd		Average Speed		Time	Time	Time	Current
						Dload	Upload	Total	Spent	Left	Speed
100	160	100	160	0	0	1758	0	--:--:--	--:--:--	--:--:--	1758
100	638	100	638	0	0	5361	0	--:--:--	--:--:--	--:--:--	5361
100	16.4M	100	16.4M	0	0	59.0M	0	--:--:--	--:--:--	--:--:--	181M

```

tar xzf etcd-v3.4.3-linux-amd64.tar.gz
cp etcd-v3.4.3-linux-amd64/etcdctl .
docker build --pull -t gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0 .
Sending build context to Docker daemon 81.48MB
Step 1/7 : FROM k8s.gcr.io/debian-base:v1.0.0
v1.0.0: Pulling from debian-base
Digest: sha256:3801f944c765dc1b54900826ca67b1380bb8c73b9caf4a2a27ce613b3ba3e742
Status: Image is up to date for k8s.gcr.io/debian-base:v1.0.0
---> 204e96332c91
Step 2/7 : COPY etcdctl etcd-empty-dir-cleanup.sh /
---> Using cache
---> ed692367596d
Step 3/7 : RUN chmod a+rx /etcdctl /etcd-empty-dir-cleanup.sh
---> Using cache
---> 8172860cada4
Step 4/7 : ENV ETCDCCTL /etcdctl
---> Using cache
---> 046341d23fbb
Step 5/7 : ENV SLEEP_SECONDS 3600
---> Using cache
---> 47c6ab846394
Step 6/7 : USER nobody:nogroup
---> Using cache
---> 225d43af7e2a
Step 7/7 : ENTRYPOINT ["/etcd-empty-dir-cleanup.sh"]
---> Using cache
---> 022ffcbd4180
Successfully built 022ffcbd4180
Successfully tagged gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0
rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz
docker push gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0
The push refers to repository [gcr.io/click2cloud/etcd-empty-dir-cleanup]
fe4c1e3536da: Pushed
b6a0291a6202: Pushed
fe9a8b4f1dcc: Layer already exists
3.4.3.0: digest:
sha256:f411b182cb47dca32f2b0dc1f9bd6a4e200b040506f3bb51faed4007d939d713 size: 951
Created and uploaded the etcd-empty-dir-cleanup image to docker registry.
+++ Staging tars to Google Storage: gs://kubernetes-staging-d7e6562b7b/kubernetes-devel
+++ kubernetes-server-linux-amd64.tar.gz uploaded earlier, cloud and local file md5 match
(md5 = c4312f9d4dc94069f238da897ceb1a8a)
+++ kubernetes-manifests.tar.gz uploaded earlier, cloud and local file md5 match (md5 =
67b8f442801b6aa8154f4045a10d83f2)
DBG: (at kube-up) image + tar files uploaded
INSTANCE_GROUPS=
NODE_NAMES=
Looking for already existing resources
Found existing network default in AUTO mode.
Creating firewall...
Creating firewall...
IP aliases are disabled.
Creating firewall...
Found subnet for region us-central1 in network default: default
Starting master and configuring firewalls
Creating firewall...

```

..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-master].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW
DENY DISABLED				
kubernetes-default-internal-master	default	INGRESS	1000	
tcp:1-2379, tcp:2382-65535, udp:1-65535, icmp		False		

Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/disks/kubernetes-master-pd].

NAME	ZONE	SIZE_GB	TYPE	STATUS
kubernetes-master-pd	us-central1-b	20	pd-ssd	READY

New disks are unformatted. You must format and mount a disk before it can be used. You can find instructions on how to do this at:

<https://cloud.google.com/compute/docs/disks/add-persistent-disk#formatting>

..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-node].

..Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/default-default-ssh].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW
DENY DISABLED				
kubernetes-default-internal-node	default	INGRESS	1000	
tcp:1-65535, udp:1-65535, icmp		False		

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY	DISABLED
default-default-ssh	default	INGRESS	1000	tcp:22		False

Creating firewall...

Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-ip].

..Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-https].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY	DISABLED
kubernetes-master-https	default	INGRESS	1000	tcp:443		False

..Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-etcd].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY
DISABLED					
kubernetes-master-etcd	default	INGRESS	1000	tcp:2380, tcp:2381	False

Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-internalip].

MASTER_RESERVED_IP: 34.121.109.120, CREATE_CERT_SERVER_IP: 10.128.0.56

Generating certs for alternate-names:

IP:34.121.109.120,IP:10.128.0.56,IP:10.0.0.1,DNS:kubernetes,DNS:kubernetes.default,DNS:kubernetes.default.svc,DNS:kubernetes.default.svc.cluster.local,DNS:kubernetes-master

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	623	0	--:--:--	--:--:--	4181
100	9.8M	100	9.8M	0	--:--:--	--:--:--	34.8M
% 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	--:--:--	--:--:--	4324
100	2224k	100	2224k	0	--:--:--	--:--:--	108M

2021/10/06 08:52:05 [INFO] generating a new CA key and certificate from CSR

2021/10/06 08:52:05 [INFO] generate received request

2021/10/06 08:52:05 [INFO] received CSR

2021/10/06 08:52:05 [INFO] generating key: ecDSA-256

2021/10/06 08:52:05 [INFO] encoded CSR

2021/10/06 08:52:05 [INFO] signed certificate with serial number

142122535903980126085589881921713823995787304341

Generate peer certificates...

2021/10/06 08:52:05 [INFO] generate received request

2021/10/06 08:52:05 [INFO] received CSR

2021/10/06 08:52:05 [INFO] generating key: ecDSA-256

2021/10/06 08:52:05 [INFO] encoded CSR

2021/10/06 08:52:05 [INFO] signed certificate with serial number

664252410920992520139702777998953006363682626548

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	623	0	--:--:--	--:--:--	4238
100	9.8M	100	9.8M	0	--:--:--	--:--:--	34.9M
% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload <th>Total</th> <th>Spent</th> <th>Left</th> <th>Speed</th>	Total	Spent	Left	Speed
0	0	0	0	0	--:--:--	--:--:--	0
100	627	100	627	0	--:--:--	--:--:--	4265
100	2224k	100	2224k	0	--:--:--	--:--:--	8655k

Generate server certificates...

2021/10/06 08:52:05 [INFO] generate received request

2021/10/06 08:52:05 [INFO] received CSR

2021/10/06 08:52:05 [INFO] generating key: ecDSA-256

2021/10/06 08:52:05 [INFO] encoded CSR

2021/10/06 08:52:05 [INFO] signed certificate with serial number

57533424615711084873198631155034429298449726835

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; downloading instead...

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed

0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	623	100	623	0	0	4296	0	--:--:--	--:--:--	--:--:--	4296
100	9.8M	100	9.8M	0	0	35.0M	0	--:--:--	--:--:--	--:--:--	280M
% Total		% Received	% Xferd			Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	627	100	627	0	0	4125	0	--:--:--	--:--:--	--:--:--	4125
100	2224k	100	2224k	0	0	8522k	0	--:--:--	--:--:--	--:--:--	8522k

Generate client certificates...

```

2021/10/06 08:52:06 [INFO] generate received request
2021/10/06 08:52:06 [INFO] received CSR
2021/10/06 08:52:06 [INFO] generating key: ecDSA-256
2021/10/06 08:52:06 [INFO] encoded CSR
2021/10/06 08:52:06 [INFO] signed certificate with serial number
576151031370030364040281201892287134781599932093
2021/10/06 08:52:06 [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").
Unable to successfully run 'cfssl' from
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; downloading
instead...

```

% Total	% Received	% Xferd				Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	623	100	623	0	0	4238	0	--:--:--	--:--:--	--:--:--	4238
100	9.8M	100	9.8M	0	0	35.0M	0	--:--:--	--:--:--	--:--:--	35.0M
% Total	% Received	% Xferd				Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	627	100	627	0	0	4415	0	--:--:--	--:--:--	--:--:--	4415
100	2224k	100	2224k	0	0	8862k	0	--:--:--	--:--:--	--:--:--	8862k

Generate grpc_proxy certificates...

```

2021/10/06 08:52:06 [INFO] generate received request
2021/10/06 08:52:06 [INFO] received CSR
2021/10/06 08:52:06 [INFO] generating key: ecDSA-256
2021/10/06 08:52:07 [INFO] encoded CSR
2021/10/06 08:52:07 [INFO] signed certificate with serial number
704910840243104084665751693607466057428175373084
2021/10/06 08:52:07 [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").
DBG: MASTER_EXTRA_METADATA :
WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O
performance. For more information, see:
https://developers.google.com/compute/docs/disks#performance.

```

Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/insta

nces/kubernetes-master].

WARNING: Some requests generated warnings:

- Disk size: '20 GB' is larger than image size: '10 GB'. You might need to resize the root repartition manually if the operating system does not support automatic resizing. See https://cloud.google.com/compute/docs/disks/add-persistent-disk#resize_pd for details.

NAME	ZONE	MACHINE_TYPE	PREEMPTIBLE	INTERNAL_IP
------	------	--------------	-------------	-------------

EXTERNAL_IP	STATUS			
kubernetes-master	us-central1-b	n1-standard-1		10.128.0.56
34.121.109.120	RUNNING			

TOTALSERVER_EXTRA_NUM: 0

+++ Logging using Fluentd to gcp

Creating firewall...

..Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-minion-all>].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY
------	---------	-----------	----------	-------	------

DISABLED					
kubernetes-minion-all	default	INGRESS	1000	tcp,udp,icmp,esp,ah,sctp	
False					

Creating nodes.

Using subnet default

Attempt 1 to create kubernetes-minion-template

WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O performance. For more information, see:

<https://developers.google.com/compute/docs/disks#performance>.

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-minion-template>].

NAME	MACHINE_TYPE	PREEMPTIBLE	CREATION_TIMESTAMP
------	--------------	-------------	--------------------

kubernetes-minion-template	n1-standard-2		2021-10-06T01:52:28.996-07:00
----------------------------	---------------	--	-------------------------------

Using subnet default

Attempt 1 to create kubernetes-windows-node-template

WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O performance. For more information, see:

<https://developers.google.com/compute/docs/disks#performance>.

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-windows-node-template>].

NAME	MACHINE_TYPE	PREEMPTIBLE	CREATION_TIMESTAMP
------	--------------	-------------	--------------------

kubernetes-windows-node-template	n1-standard-2		2021-10-06T01:52:33.269-07:00
----------------------------------	---------------	--	-------------------------------

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instanceGroupManagers/kubernetes-minion-group>].

NAME	LOCATION	SCOPE	BASE_INSTANCE_NAME	SIZE
------	----------	-------	--------------------	------

TARGET_SIZE	INSTANCE_TEMPLATE	AUTOSCALED		
kubernetes-minion-group	us-central1-b	zone	kubernetes-minion-group	0
kubernetes-minion-template	no			3

WARNING: `gcloud compute instance-groups managed wait-until-stable` is deprecated. Please use `gcloud compute instance-groups managed wait-until --stable` instead.

Waiting for group to become stable, current operations: creating: 3

Waiting for group to become stable, current operations: creating: 3

Group is stable
INSTANCE_GROUPS=kubernetes-minion-group
NODE_NAMES=kubernetes-minion-group-8h0h kubernetes-minion-group-9qxf
kubernetes-minion-group-dp14
Trying to find master named 'kubernetes-master'
Looking for address 'kubernetes-master-ip'
Using master: kubernetes-master (external IP: 34.121.109.120)
Waiting up to 300 seconds for cluster initialization.

This will continually check to see if the API for kubernetes is reachable.
This may time out if there was some uncaught error during start up.

.....Kubernetes cluster created.
Cluster "click2cloud_kubernetes" set.
User "click2cloud_kubernetes" set.
Context "click2cloud_kubernetes" created.
Switched to context "click2cloud_kubernetes".
User "click2cloud_kubernetes-basic-auth" set.
Wrote config for click2cloud_kubernetes to /root/.kube/config

Kubernetes cluster is running. The master is running at:

<https://34.121.109.120>

The user name and password to use is located in /root/.kube/config.

... calling validate-cluster
Validating gce cluster, MULTIZONE=
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
TOTALSERVER_EXTRA_NUM: 0, EXPECTED_NUM_NODES:4, ALLOWED_NOTREADY_NODES:0
No resources found.
Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.
No resources found.
Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.
Waiting for 4 ready nodes. 1 ready nodes, 3 registered. Retrying.
Found 4 node(s).

NAME	STATUS	ROLES	AGE	VERSION
kubernetes-master	Ready,SchedulingDisabled	<none>	20s	v0.9.0
kubernetes-minion-group-8h0h	Ready	<none>	16s	v0.9.0
kubernetes-minion-group-9qxf	Ready	<none>	16s	v0.9.0
kubernetes-minion-group-dp14	Ready	<none>	15s	v0.9.0

Validate output:

NAME	STATUS	MESSAGE	ERROR
etcd-1	Healthy	{"health":"true"}	
controller-manager	Healthy	ok	
scheduler	Healthy	ok	
etcd-0	Healthy	{"health":"true"}	

Cluster validation succeeded

Done, listing cluster services:

Kubernetes master is running at <https://34.121.109.120>
GLBCDefaultBackend is running at

[https://34.121.109.120/api/v1/tenants/system/namespaces/kube-system/services/default-http-backend:http/proxy](https://34.121.109.120/api/v1/tenants/system/namespaces/kube-system/services/default-http-backend/http/proxy)
 Heapster is running at
<https://34.121.109.120/api/v1/tenants/system/namespaces/kube-system/services/heapster/proxy>
 kubernetes-dashboard is running at
<https://34.121.109.120/api/v1/tenants/system/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy>
 Metrics-server is running at
<https://34.121.109.120/api/v1/tenants/system/namespaces/kube-system/services/https:metrics-server:/proxy>

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

```

root@amittestubuntu1804:~/go/src/k8s.io/arktos# cd cluster
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get pods -A

```

NAMESPACE	NAME	STATUS	RESTARTS	AGE	HASHKEY	READY
kube-system	coredns-7778f74bb8-cp24r	Running	0	4m40s	2923960598644151037	0/1
kube-system	etcd-empty-dir-cleanup-kubernetes-master	Running	0	3m46s	2852408672556892420	1/1
kube-system	etcd-server-events-kubernetes-master	Running	0	2m52s	8608811511198570648	1/1
kube-system	etcd-server-kubernetes-master	Running	0	2m48s	4558344842026511261	1/1
kube-system	event-exporter-v0.2.5-868dff6494-jcr92	Running	0	4m40s	7967356340644346694	1/1
kube-system	fluentd-gcp-scaler-74b46b8776-hzx8p	Running	0	4m36s	3690851632134436713	1/1
kube-system	fluentd-gcp-v3.2.0-4j6z1	Running	0	4m27s	8997560893453989357	1/1
kube-system	fluentd-gcp-v3.2.0-626xw	Running	0	4m31s	4753828147169573562	1/1
kube-system	fluentd-gcp-v3.2.0-hhm72	Running	0	4m26s	7206763480049852311	1/1
kube-system	fluentd-gcp-v3.2.0-kz2mh	Running	0	4m27s	1272320914066358578	1/1
kube-system	heapster-v1.6.0-beta.1-7666446c7b-sv7z8	Running	0	3m6s	5485560369950076002	2/2
kube-system	kube-addon-manager-kubernetes-master	Running	0	3m32s	5014754618061431440	1/1
kube-system	kube-apiserver-kubernetes-master	Running	0	2m39s	5625384641275093699	1/1
kube-system	kube-controller-manager-kubernetes-master	Running	0	3m1s	640543109047290527	1/1
kube-system	kube-dns-autoscaler-748b78969c-tlpz4	Running	0	4m34s	3981538841132716186	1/1
kube-system	kube-flannel-ds-74h6p	Running	0	4m27s	9116217899861598364	1/1
kube-system	kube-flannel-ds-bh4qb	Running	0	4m27s	2700324847170979306	1/1
kube-system	kube-flannel-ds-ddw2l	Running	0	4m27s	8552054385485000449	0/1
kube-system	CrashLoopBackOff	CrashLoopBackOff	4	4m31s	704187614365952368	1/1
kube-system	kube-flannel-ds-nbxwp	Running	0	4m27s	704187614365952368	1/1

```

Running          0          4m26s
kube-system      kube-proxy-kubernetes-minion-group-8h0h      5611632910230394651      1/1
Running          0          4m25s
kube-system      kube-proxy-kubernetes-minion-group-9qxf      5611632910230394651      1/1
Running          0          4m26s
kube-system      kube-proxy-kubernetes-minion-group-dp14      5611632910230394651      1/1
Running          0          4m26s
kube-system      kube-scheduler-kubernetes-master      8852526237821125528      1/1
Running          1          2m54s
kube-system      kubernetes-dashboard-848965699-kj8hm      3932974633441770045      1/1
Running          4          4m36s
kube-system      17-default-backend-6497bc5bf6-498s8      127922105431848906      1/1
Running          0          4m40s
kube-system      17-lb-controller-v1.2.3-kubernetes-master      5013348416365870850      1/1
Running          0          3m35s
kube-system      metrics-server-v0.3.3-8654645975-6tp5d      3104321065339601404      2/2
Running          0          3m47s
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get nodes
NAME                                STATUS             ROLES    AGE    VERSION
kubernetes-master                  Ready,SchedulingDisabled    <none>   7m8s   v0.9.0
kubernetes-minion-group-8h0h      Ready              <none>   7m4s   v0.9.0
kubernetes-minion-group-9qxf      Ready              <none>   7m4s   v0.9.0
kubernetes-minion-group-dp14      Ready              <none>   7m3s   v0.9.0
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# cd ..
root@amittestubuntu1804:~/go/src/k8s.io/arktos# cd ..
root@amittestubuntu1804:~/go/src/k8s.io# cd arktos/cluster
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kube-down.sh
Bringing down cluster using provider: gce
... calling verify-prereqs
... calling verify-kube-binaries
... calling kube-down
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
INSTANCE_GROUPS=kubernetes-minion-group
NODE_NAMES=kubernetes-minion-group-8h0h kubernetes-minion-group-9qxf
kubernetes-minion-group-dp14
Bringing down cluster
Deleting Managed Instance Group...
..Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instanceGroupManagers/kubernetes-minion-group].
done.
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-minion-template].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-windows-node-template].
teardown total extra server num: 0
Warning: Permanently added 'compute.2451671166611414357' (ECDSA) to the list of known hosts.
Enter passphrase for key '/root/.ssh/google_compute_engine':
Removing etcd replica, name: kubernetes-master, port: 2379, result: 52
Enter passphrase for key '/root/.ssh/google_compute_engine':

```

```
404 page not found
Removing etcd replica, name: kubernetes-master, port: 4002, result: 0
Updated
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instances/kubernetes-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instances/kubernetes-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-https].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-minion-all].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-etcd].
Deleting master's reserved IP
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-ip].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-internalip].
Deleting routes kubernetes-5b8dc71b-f108-4323-b209-b9dd82ab3b57
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/routes/kubernetes-5b8dc71b-f108-4323-b209-b9dd82ab3b57].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-node].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/default-default-ssh].
Property "current-context" unset.
Property "clusters.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes-basic-auth" unset.
Property "contexts.click2cloud_kubernetes" unset.
Cleared config for click2cloud_kubernetes from /root/.kube/config
Done
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# cd ..
root@amittestubuntu1804:~/go/src/k8s.io/arktos# cd ..
root@amittestubuntu1804:~/go/src/k8s.io# vi cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io# cd Arktos
-bash: cd: Arktos: No such file or directory
root@amittestubuntu1804:~/go/src/k8s.io# cd arktos
root@amittestubuntu1804:~/go/src/k8s.io/arktos# vi cluster/gce/config-default.sh
root@amittestubuntu1804:~/go/src/k8s.io/arktos# sudo ./cluster/kube-up.sh
... Starting cluster in us-central1-b using provider gce
... calling verify-prereqs
... calling verify-kube-binaries
```

```
... calling verify-release-tars
... calling kube-up
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
DBG: uploading image + tar files...
Configuring registry authentication
WARNING: Your config file at [/root/.docker/config.json] contains these credential helper
entries:
```

```
{
  "credHelpers": {
    "gcr.io": "gcloud",
    "us.gcr.io": "gcloud",
    "eu.gcr.io": "gcloud",
    "asia.gcr.io": "gcloud",
    "staging-k8s.gcr.io": "gcloud",
    "marketplace.gcr.io": "gcloud"
  }
}
```

Adding credentials for all GCR repositories.

WARNING: A long list of credential helpers may cause delays running 'docker build'. We recommend passing the registry name to configure only the registry you are using. gcloud credential helpers already registered correctly.

Downloading

<https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-amd64.tar.gz> succeed

```
docker build --pull -t gcr.io/click2cloud/etcd-amd64:3.4.3.0 .
```

Sending build context to Docker daemon 46.74MB

Step 1/3 : FROM ubuntu:16.04

16.04: Pulling from library/ubuntu

Digest: sha256:454054f5bbd571b088db25b662099c6c7b3f0cb78536a2077d54adc48f00cd68

Status: Image is up to date for ubuntu:16.04

---> b6f507652425

Step 2/3 : EXPOSE 2379 2380 4001 7001

---> Using cache

---> e7cd23688e33

Step 3/3 : COPY etcd* etcdctl* /usr/local/bin/

---> Using cache

---> b552fea2440b

Successfully built b552fea2440b

Successfully tagged gcr.io/click2cloud/etcd-amd64:3.4.3.0

```
docker tag gcr.io/click2cloud/etcd-amd64:3.4.3.0 gcr.io/click2cloud/etcd-amd64:3.4.3.0
```

```
docker push gcr.io/click2cloud/etcd-amd64:3.4.3.0
```

The push refers to repository [gcr.io/click2cloud/etcd-amd64]

ec7fd3d1d7da: Layer already exists

1251204ef8fc: Layer already exists

47ef83afae74: Layer already exists

df54c846128d: Layer already exists

be96a3f634de: Layer already exists

3.4.3.0: digest:

sha256:9310a9b8a89c0904f6acb0fb6396149fb152aa637d0651a93a210abf9c0efe16 size: 1362

Created and uploaded the etcd image to docker registry.

```
rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz
```

```
curl -L -O
```

<https://github.com/centaurus-cloud/etcd/releases/download/v3.4.3/etcd-v3.4.3-linux-amd64.tar.gz>

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed
100	160	100	160	0	0	1758	0
100	638	100	638	0	0	5406	0
100	16.4M	100	16.4M	0	0	58.4M	0

tar xzf etcd-v3.4.3-linux-amd64.tar.gz

cp etcd-v3.4.3-linux-amd64/etcdctl .

docker build --pull -t gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0 .

Sending build context to Docker daemon 81.48MB

Step 1/7 : FROM k8s.gcr.io/debian-base:v1.0.0

v1.0.0: Pulling from debian-base

Digest: sha256:3801f944c765dc1b54900826ca67b1380bb8c73b9caf4a2a27ce613b3ba3e742

Status: Image is up to date for k8s.gcr.io/debian-base:v1.0.0

---> 204e96332c91

Step 2/7 : COPY etcdctl etcd-empty-dir-cleanup.sh /

---> Using cache

---> ed692367596d

Step 3/7 : RUN chmod a+rx /etcdctl /etcd-empty-dir-cleanup.sh

---> Using cache

---> 8172860cada4

Step 4/7 : ENV ETCDCCTL /etcdctl

---> Using cache

---> 046341d23fbb

Step 5/7 : ENV SLEEP_SECONDS 3600

---> Using cache

---> 47c6ab846394

Step 6/7 : USER nobody:nogroup

---> Using cache

---> 225d43af7e2a

Step 7/7 : ENTRYPOINT ["/etcd-empty-dir-cleanup.sh"]

---> Using cache

---> 022ffcbd4180

Successfully built 022ffcbd4180

Successfully tagged gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0

rm -rf etcdctl etcd-v3.4.3-linux-amd64 etcd-v3.4.3-linux-amd64.tar.gz

docker push gcr.io/click2cloud/etcd-empty-dir-cleanup:3.4.3.0

The push refers to repository [gcr.io/click2cloud/etcd-empty-dir-cleanup]

fe4c1e3536da: Layer already exists

b6a0291a6202: Layer already exists

fe9a8b4f1dcc: Layer already exists

3.4.3.0: digest:

sha256:f411b182cb47dca32f2b0dc1f9bd6a4e200b040506f3bb51faed4007d939d713 size: 951

Created and uploaded the etcd-empty-dir-cleanup image to docker registry.

+++ Staging tars to Google Storage: gs://kubernetes-staging-d7e6562b7b/kubernetes-devel

+++ kubernetes-server-linux-amd64.tar.gz uploaded earlier, cloud and local file md5 match

(md5 = c4312f9d4dc94069f238da897ceb1a8a)

+++ kubernetes-manifests.tar.gz uploaded earlier, cloud and local file md5 match (md5 =

67b8f442801b6aa8154f4045a10d83f2)

DBG: (at kube-up) image + tar files uploaded

INSTANCE_GROUPS=

NODE_NAMES=

Looking for already existing resources

Found existing network default in AUTO mode.


```

Creating firewall...
Creating firewall...
IP aliases are disabled.
Found subnet for region us-central1 in network default: default
Starting master and configuring firewalls
Creating firewall...
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/disks/kubernetes-master-pd].
NAME                ZONE                SIZE_GB  TYPE    STATUS
kubernetes-master-pd  us-central1-b      20       pd-ssd  READY

```

New disks are unformatted. You must format and mount a disk before it can be used. You can find instructions on how to do this at:

<https://cloud.google.com/compute/docs/disks/add-persistent-disk#formatting>

```

..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-default-internal-master].
done.
NAME                NETWORK  DIRECTION  PRIORITY  ALLOW
DENY  DISABLED
kubernetes-default-internal-master  default  INGRESS    1000
tcp:1-2379,tcp:2382-65535,udp:1-65535,icmp      False
Creating firewall...
..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-default-internal-node].
..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-master-https].
done.
done.
NAME                NETWORK  DIRECTION  PRIORITY  ALLOW
DENY  DISABLED
kubernetes-default-internal-node  default  INGRESS    1000
tcp:1-65535,udp:1-65535,icmp      False
NAME                NETWORK  DIRECTION  PRIORITY  ALLOW  DENY  DISABLED
kubernetes-master-https  default  INGRESS    1000    tcp:443      False
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addre
sses/kubernetes-master-ip].
..Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernet
es-master-etcd].
done.
NAME                NETWORK  DIRECTION  PRIORITY  ALLOW  DENY
DISABLED
kubernetes-master-etcd  default  INGRESS    1000    tcp:2380,tcp:2381      False
Created
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addre
sses/kubernetes-master-internalip].
MASTER_RESERVED_IP: 35.239.252.222, CREATE_CERT_SERVER_IP: 10.128.15.204
Generating certs for alternate-names:

```

IP:35.239.252.222,IP:10.128.15.204,IP:10.0.0.1,DNS:kubernetes,DNS:kubernetes.default,
DNS:kubernetes.default.svc,DNS:kubernetes.default.svc.cluster.local,DNS:kubernetes-ma
ster

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	623	0	0	4267	0
100	9.8M	100	9.8M	0	0	34.6M	0
100	9.8M	100	9.8M	0	0	34.6M	0
100	627	100	627	0	0	4384	0
100	2224k	100	2224k	0	0	8897k	0

2021/10/06 09:24:52 [INFO] generating a new CA key and certificate from CSR

2021/10/06 09:24:52 [INFO] generate received request

2021/10/06 09:24:52 [INFO] received CSR

2021/10/06 09:24:52 [INFO] generating key: ecdsa-256

2021/10/06 09:24:52 [INFO] encoded CSR

2021/10/06 09:24:52 [INFO] signed certificate with serial number

92217978908845773791854881927871413735858015990

Generate peer certificates...

2021/10/06 09:24:52 [INFO] generate received request

2021/10/06 09:24:52 [INFO] received CSR

2021/10/06 09:24:52 [INFO] generating key: ecdsa-256

2021/10/06 09:24:52 [INFO] encoded CSR

2021/10/06 09:24:52 [INFO] signed certificate with serial number

282885197285836837990298780124521228454946425255

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; 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	623	0	0	4326	0
100	9.8M	100	9.8M	0	0	35.2M	0
100	9.8M	100	9.8M	0	0	35.2M	0
100	627	100	627	0	0	4354	0
100	2224k	100	2224k	0	0	8757k	0

Generate server certificates...

2021/10/06 09:24:52 [INFO] generate received request

2021/10/06 09:24:52 [INFO] received CSR

2021/10/06 09:24:52 [INFO] generating key: ecdsa-256

2021/10/06 09:24:52 [INFO] encoded CSR

2021/10/06 09:24:52 [INFO] signed certificate with serial number

37349667402944254252554848251624990623007148201

Unable to successfully run 'cfssl' from

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; downloading
instead...

% Total	% Received	% Xferd	Average Speed	Time	Time	Time	Current
			Dload Upload	Total	Spent	Left	Speed

0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	623	100	623	0	0	4326	0	--:--:--	--:--:--	--:--:--	4326
100	9.8M	100	9.8M	0	0	34.9M	0	--:--:--	--:--:--	--:--:--	34.9M
% Total		% Received	% Xferd			Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	627	100	627	0	0	4265	0	--:--:--	--:--:--	--:--:--	4265
100	2224k	100	2224k	0	0	8555k	0	--:--:--	--:--:--	--:--:--	8555k

Generate client certificates...

```

2021/10/06 09:24:53 [INFO] generate received request
2021/10/06 09:24:53 [INFO] received CSR
2021/10/06 09:24:53 [INFO] generating key: ecDSA-256
2021/10/06 09:24:53 [INFO] encoded CSR
2021/10/06 09:24:53 [INFO] signed certificate with serial number
583917377450222035273655626116590012914057043577
2021/10/06 09:24:53 [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").
Unable to successfully run 'cfssl' from
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin; downloading
instead...

```

% Total	% Received	% Xferd				Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	623	100	623	0	0	4326	0	--:--:--	--:--:--	--:--:--	4326
100	9.8M	100	9.8M	0	0	34.8M	0	--:--:--	--:--:--	--:--:--	34.8M
% Total	% Received	% Xferd				Average Speed		Time	Time	Time	Current
						Dload Upload		Total	Spent	Left	Speed
0	0	0	0	0	0	0	0	--:--:--	--:--:--	--:--:--	0
100	627	100	627	0	0	4294	0	--:--:--	--:--:--	--:--:--	4294
100	2224k	100	2224k	0	0	8792k	0	--:--:--	--:--:--	--:--:--	8792k

Generate grpc_proxy certificates...

```

2021/10/06 09:24:53 [INFO] generate received request
2021/10/06 09:24:53 [INFO] received CSR
2021/10/06 09:24:53 [INFO] generating key: ecDSA-256
2021/10/06 09:24:53 [INFO] encoded CSR
2021/10/06 09:24:53 [INFO] signed certificate with serial number
156120921748192869787688073363469163591364304821
2021/10/06 09:24:53 [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").
DBG: MASTER_EXTRA_METADATA :
WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O
performance. For more information, see:
https://developers.google.com/compute/docs/disks#performance.

```

Created

[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/insta

nces/kubernetes-master].

WARNING: Some requests generated warnings:

- Disk size: '20 GB' is larger than image size: '10 GB'. You might need to resize the root repartition manually if the operating system does not support automatic resizing. See https://cloud.google.com/compute/docs/disks/add-persistent-disk#resize_pd for details.

NAME	ZONE	MACHINE_TYPE	PREEMPTIBLE	INTERNAL_IP
EXTERNAL_IP	STATUS			
kubernetes-master	us-central1-b	n1-standard-1		10.128.15.204
35.239.252.222	RUNNING			

TOTALSERVER_EXTRA_NUM: 0

+++ Logging using Fluentd to gcp

Creating firewall...

..Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-minion-all>].

done.

NAME	NETWORK	DIRECTION	PRIORITY	ALLOW	DENY
DISABLED					
kubernetes-minion-all	default	INGRESS	1000	tcp,udp,icmp,esp,ah,sctp	
False					

Creating nodes.

Using subnet default

Attempt 1 to create kubernetes-minion-template

WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O performance. For more information, see:

<https://developers.google.com/compute/docs/disks#performance>.

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-minion-template>].

NAME	MACHINE_TYPE	PREEMPTIBLE	CREATION_TIMESTAMP
kubernetes-minion-template	n1-standard-2		2021-10-06T02:25:17.341-07:00

Using subnet default

Attempt 1 to create kubernetes-windows-node-template

WARNING: You have selected a disk size of under [200GB]. This may result in poor I/O performance. For more information, see:

<https://developers.google.com/compute/docs/disks#performance>.

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-windows-node-template>].

NAME	MACHINE_TYPE	PREEMPTIBLE	CREATION_TIMESTAMP
kubernetes-windows-node-template	n1-standard-2		2021-10-06T02:25:21.753-07:00

Created

[<https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instanceGroupManagers/kubernetes-minion-group>].

NAME	LOCATION	SCOPE	BASE_INSTANCE_NAME	SIZE
TARGET_SIZE	INSTANCE_TEMPLATE	AUTOSCALED		
kubernetes-minion-group	us-central1-b	zone	kubernetes-minion-group	0
kubernetes-minion-template	no			3

WARNING: `gcloud compute instance-groups managed wait-until-stable` is deprecated. Please use `gcloud compute instance-groups managed wait-until --stable` instead.

Waiting for group to become stable, current operations: creating: 3

Waiting for group to become stable, current operations: creating: 3

Group is stable
INSTANCE_GROUPS=kubernetes-minion-group
NODE_NAMES=kubernetes-minion-group-52k3 kubernetes-minion-group-fmkx
kubernetes-minion-group-vplv
Trying to find master named 'kubernetes-master'
Looking for address 'kubernetes-master-ip'
Using master: kubernetes-master (external IP: 35.239.252.222)
Waiting up to 300 seconds for cluster initialization.

This will continually check to see if the API for kubernetes is reachable.
This may time out if there was some uncaught error during start up.

.....Kubernetes cluster
created.
Cluster "click2cloud_kubernetes" set.
User "click2cloud_kubernetes" set.
Context "click2cloud_kubernetes" created.
Switched to context "click2cloud_kubernetes".
User "click2cloud_kubernetes-basic-auth" set.
Wrote config for click2cloud_kubernetes to /root/.kube/config

Kubernetes cluster is running. The master is running at:

<https://35.239.252.222>

The user name and password to use is located in /root/.kube/config.

... calling validate-cluster
Validating gce cluster, MULTIZONE=
Project: click2cloud
Network Project: click2cloud
Zone: us-central1-b
TOTALSERVER_EXTRA_NUM: 0, EXPECTED_NUM_NODES:4, ALLOWED_NOTREADY_NODES:0
No resources found.
Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.
No resources found.
Waiting for 4 ready nodes. 0 ready nodes, 0 registered. Retrying.
Found 4 node(s).

NAME	STATUS	ROLES	AGE	VERSION
kubernetes-master	Ready,SchedulingDisabled	<none>	9s	v0.9.0
kubernetes-minion-group-52k3	Ready	<none>	10s	v0.9.0
kubernetes-minion-group-fmkx	Ready	<none>	9s	v0.9.0
kubernetes-minion-group-vplv	Ready	<none>	8s	v0.9.0

Cluster not working yet.

Validate output:

NAME	STATUS	MESSAGE	ERROR
etcd-1	Healthy	{"health":"true"}	
scheduler	Healthy	ok	
controller-manager	Healthy	ok	
etcd-0	Healthy	{"health":"true"}	

Cluster validation succeeded

Done, listing cluster services:

Kubernetes master is running at <https://35.239.252.222>

GLBCDefaultBackend is running at
[https://35.239.252.222/api/v1/tenants/system/namespaces/kube-system/services/default-http-backend:http/proxy](https://35.239.252.222/api/v1/tenants/system/namespaces/kube-system/services/default-http-backend/http/proxy)
 Heapster is running at
<https://35.239.252.222/api/v1/tenants/system/namespaces/kube-system/services/heapster/proxy>
 kubernetes-dashboard is running at
<https://35.239.252.222/api/v1/tenants/system/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy>
 Metrics-server is running at
<https://35.239.252.222/api/v1/tenants/system/namespaces/kube-system/services/https:metrics-server:/proxy>

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

```
root@amittestubuntu1804:~/go/src/k8s.io/arktos# cd cluster
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get nodes
```

NAME	STATUS	ROLES	AGE	VERSION
kubernetes-master	Ready,SchedulingDisabled	<none>	3m57s	v0.9.0
kubernetes-minion-group-52k3	Ready	<none>	3m58s	v0.9.0
kubernetes-minion-group-fmkx	Ready	<none>	3m57s	v0.9.0
kubernetes-minion-group-vplv	Ready	<none>	3m56s	v0.9.0

```
root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# ./kubectl.sh get pods -A
```

NAMESPACE	NAME	STATUS	RESTARTS	AGE	HASHKEY	READY
kube-system	coredns-7778f74bb8-d62nc	Running	0	5m31s	7224272642135311185	0/1
kube-system	CrashLoopBackOff	Running	5	4m45s	2852408672556892420	1/1
kube-system	etcd-empty-dir-cleanup-kubernetes-master	Running	0	4m45s	6015921702467554292	1/1
kube-system	etcd-server-events-kubernetes-master	Running	0	4m34s	5780124490511818730	1/1
kube-system	etcd-server-kubernetes-master	Running	0	4m37s	4936690182305494176	1/1
kube-system	event-exporter-v0.2.5-868dff6494-thtvw	Running	0	5m30s	4537845164718774108	1/1
kube-system	fluentd-gcp-scaler-74b46b8776-bk94n	Running	0	5m26s	844299950329289820	1/1
kube-system	fluentd-gcp-v3.2.0-9xxlk	Running	0	5m26s	3991594930021419812	1/1
kube-system	fluentd-gcp-v3.2.0-hnbrh	Running	0	5m25s	8697475112192174937	1/1
kube-system	fluentd-gcp-v3.2.0-kqtwc	Running	0	5m24s	8169703531899074305	1/1
kube-system	fluentd-gcp-v3.2.0-z244p	Running	0	5m24s	104862614482103694	2/2
kube-system	heapster-v1.6.0-beta.1-7666446c7b-lrslz	Running	0	3m40s	5014754618061431440	1/1
kube-system	kube-addon-manager-kubernetes-master	Running	0	4m9s	2408562062108585483	1/1
kube-system	kube-apiserver-kubernetes-master	Running	0	4m41s	640543109047290527	1/1
kube-system	kube-controller-manager-kubernetes-master	Running	1	4m31s	1084185074485501508	1/1
kube-system	kube-dns-autoscaler-748b78969c-qdvdq	Running	0	5m25s		

kube-system	kube-flannel-ds-2jkgs	2031391563453583312	0/1
CrashLoopBackOff	4	5m25s	
kube-system	kube-flannel-ds-hmqsh	2564263493823150332	1/1
Running	0	5m26s	
kube-system	kube-flannel-ds-jlfdc	7502890805164238381	1/1
Running	0	5m24s	
kube-system	kube-flannel-ds-tt5zq	4503763493916876695	1/1
Running	0	5m24s	
kube-system	kube-proxy-kubernetes-minion-group-52k3	3853131175447062746	1/1
Running	0	5m25s	
kube-system	kube-proxy-kubernetes-minion-group-fmkx	3853131175447062746	1/1
Running	0	5m24s	
kube-system	kube-proxy-kubernetes-minion-group-vplv	3853131175447062746	1/1
Running	0	5m24s	
kube-system	kube-scheduler-kubernetes-master	8852526237821125528	1/1
Running	2	3m35s	
kube-system	kubernetes-dashboard-848965699-nqg2v	2690586753918960554	1/1
Running	0	5m27s	
kube-system	17-default-backend-6497bc5bf6-m6m8x	5201402005334501195	1/1
Running	0	5m30s	
kube-system	17-lb-controller-v1.2.3-kubernetes-master	5013348416365870850	1/1
Running	0	4m24s	
kube-system	metrics-server-v0.3.3-8654645975-tmxw2	8552167693458814396	2/2
Running	1	4m57s	

root@amittestubuntu1804:~/go/src/k8s.io/arktos/cluster# cd ..

root@amittestubuntu1804:~/go/src/k8s.io/arktos# ./cluster/kube-down.sh

Bringing down cluster using provider: gce

... calling verify-prereqs

... calling verify-kube-binaries

... calling kube-down

Project: click2cloud

Network Project: click2cloud

Zone: us-central1-b

INSTANCE_GROUPS=kubernetes-minion-group

NODE_NAMES=kubernetes-minion-group-52k3 kubernetes-minion-group-fmkx

kubernetes-minion-group-vplv

Bringing down cluster

Deleting Managed Instance Group...

..Deleted

[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instanceGroupManagers/kubernetes-minion-group].

done.

Deleted

[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-minion-template].

Deleted

[https://www.googleapis.com/compute/v1/projects/click2cloud/global/instanceTemplates/kubernetes-windows-node-template].

teardown total extra server num: 0

Warning: Permanently added 'compute.7553429742539560326' (ECDSA) to the list of known hosts.

Enter passphrase for key '/root/.ssh/google_compute_engine':

Removing etcd replica, name: kubernetes-master, port: 2379, result: 52

Enter passphrase for key '/root/.ssh/google_compute_engine':

404 page not found

```
Removing etcd replica, name: kubernetes-master, port: 4002, result: 0
Updated
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instances/kubernetes-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/zones/us-central1-b/instances/kubernetes-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-https].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-minion-all].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-master-etcd].
Deleting master's reserved IP
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-ip].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/regions/us-central1/addresses/kubernetes-master-internalip].
Deleting routes kubernetes-36690a1a-8d72-448a-b442-db4ddf71ca63
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/routes/kubernetes-36690a1a-8d72-448a-b442-db4ddf71ca63].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-master].
Deleted
[https://www.googleapis.com/compute/v1/projects/click2cloud/global/firewalls/kubernetes-default-internal-node].
Property "current-context" unset.
Property "clusters.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes" unset.
Property "users.click2cloud_kubernetes-basic-auth" unset.
Property "contexts.click2cloud_kubernetes" unset.
Cleared config for click2cloud_kubernetes from /root/.kube/config
Done
root@amittestubuntu1804:~/go/src/k8s.io/arktos#
```