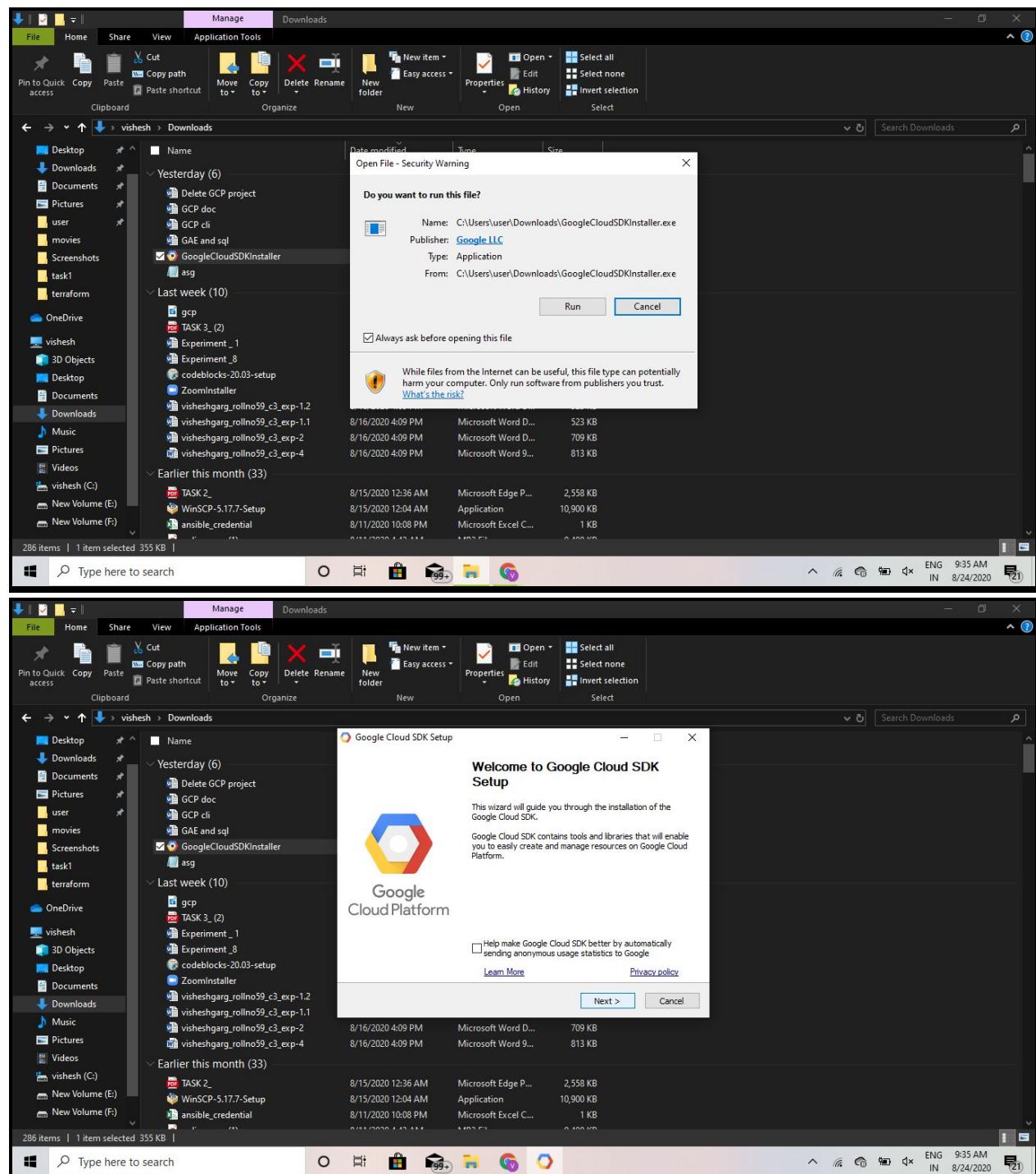
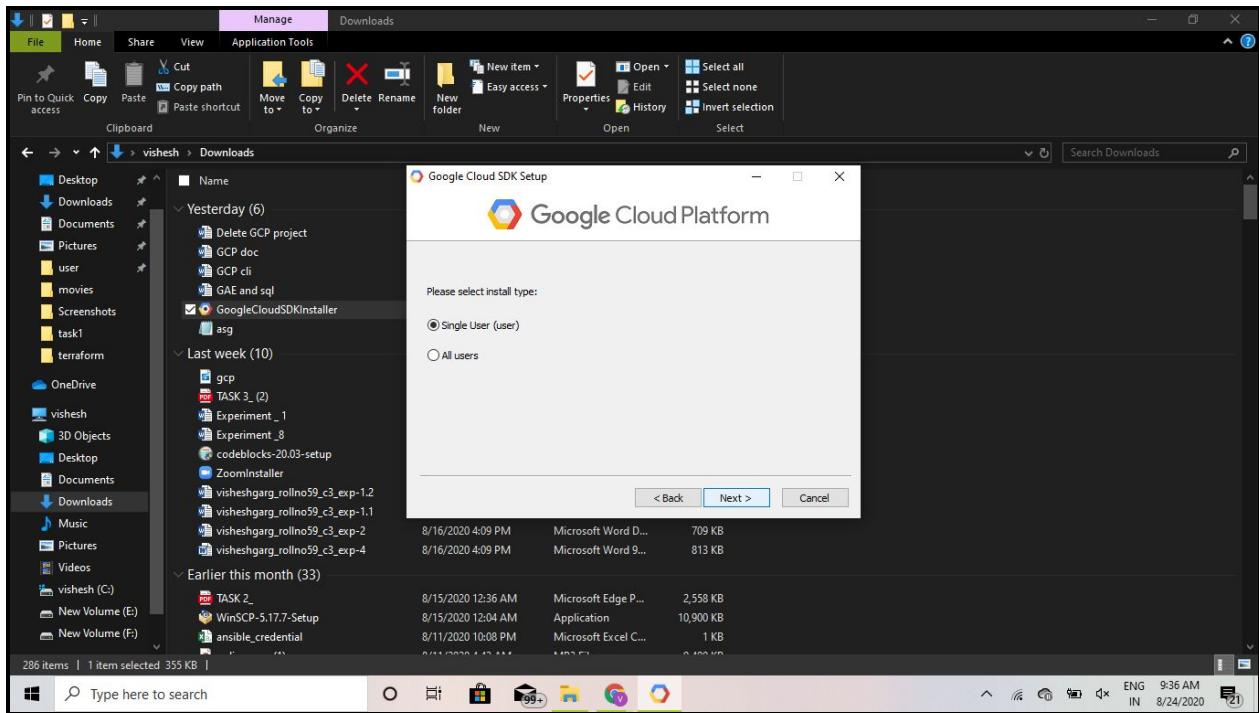
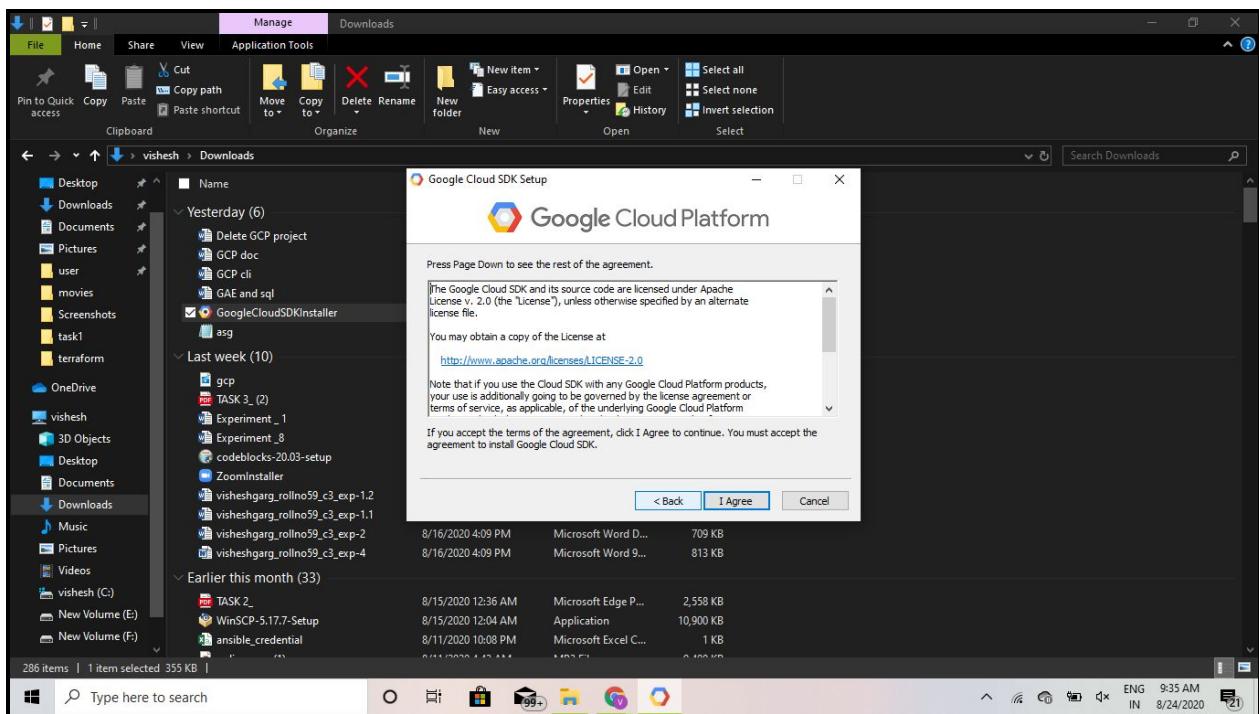
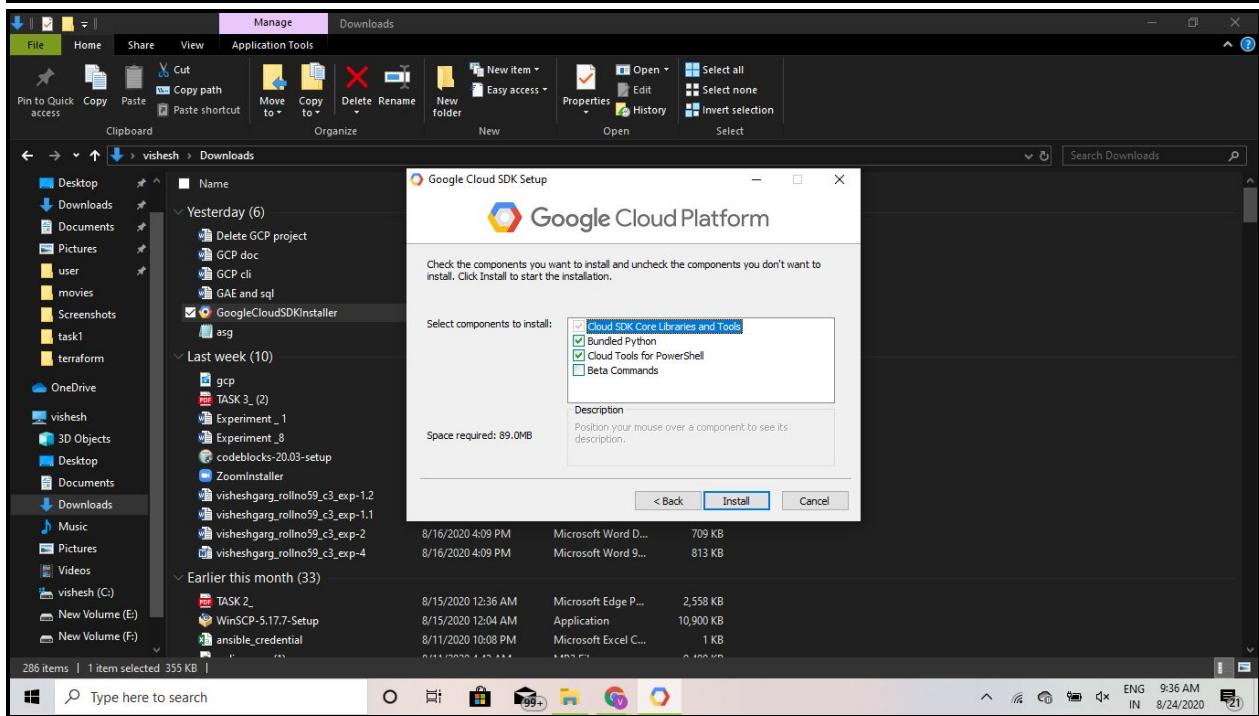
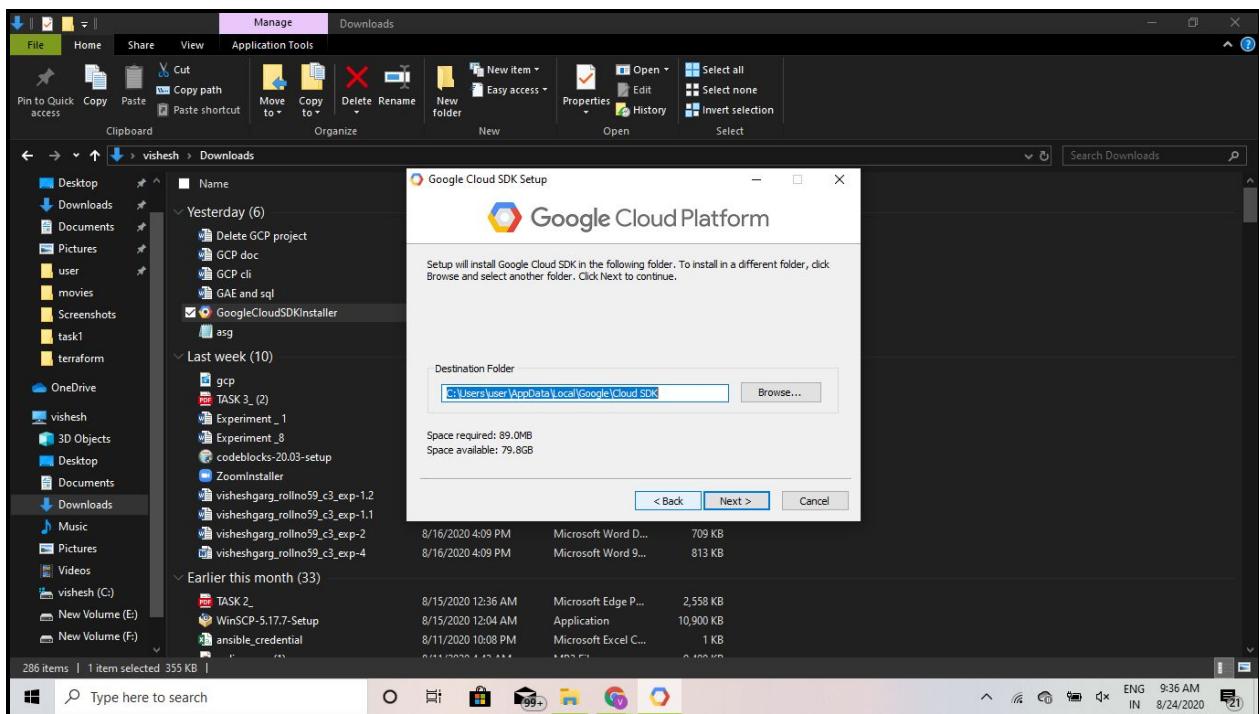


Day 2:

Google kubernetes engine







```
cmd: C:\Windows\SYSTEM32\cmd.exe - gcloud init
Network diagnostic passed (1/1 checks passed).

You must log in to continue. Would you like to log in (Y/n)? Y
Your browser has been opened to visit:

https://accounts.google.com/o/oauth2/auth?client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8085%2F&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&code_challenge=N7Te_wlaFED71QUvBSi8BsrwJyWoyI973u1S6yX2i8&code_challenge_method=S256&access_type=offline&response_type=code&prompt=select_account

You are logged in as: [96aayu@gmail.com].

Pick cloud project to use:
[1] devproject-287318
[2] groovy-ward-287313
[3] lunar-campaign-287313
[4] prodporject-13242443
[5] Create a new project
Please enter numeric choice or text value (must exactly match list item):
```

```
Select C:\Windows\system32\cmd.exe
rules.
services          List, enable and disable APIs and services.

Anthos CLI
anthos           Anthos command Group.

CI/CD
scheduler        Manage Cloud Scheduler jobs and schedules.
tasks            Manage Cloud Tasks queues and tasks.

Compute
app              Manage your App Engine deployments.

C:\Users\user>gcloud projects list
PROJECT_ID        NAME          PROJECT_NUMBER
devproject-287318 DevProject   381790864413
groovy-ward-287313 My First Project 497392490371
lunar-campaign-287313 My First Project 212014526950
prodporject-13242443 ProdProject 170726174900

C:\Users\user>
```

```
C:\Users\user>gcloud projects list
PROJECT_ID           NAME          PROJECT_NUMBER
groovy-ward-287313  My First Project  497392490371
lunar-campaign-287313  My First Project  212014526950

C:\Users\user>gcloud compute instances list
ERROR: (gcloud.compute.instances.list) The required property [project] is not currently set.
You may set it for your current workspace by running:

$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]

C:\Users\user>
C:\Users\user>gcloud compute instances create
ERROR: (gcloud.compute.instances.create) argument INSTANCE_NAMES [INSTANCE_NAMES ...]: Must be specified.
Usage: gcloud compute instances create INSTANCE_NAMES [INSTANCE_NAMES ...] [optional flags]
      optional flags may be --accelerator | --address | --no-address | --async |
                           --boot-disk-auto-delete | --boot-disk-device-name |
                           --boot-disk-kms-key | --boot-disk-kms-keyring |
                           --boot-disk-kms-location | --boot-disk-kms-project |
                           --boot-disk-size | --boot-disk-type |
```

```
Type here to search  O  🌐  📁  🎥  🖼  🎨  🎵  🎮  🎧  ENG  10:05 AM
Select C:\Windows\SYSTEM32\cmd.exe  IN  8/24/2020  (21)

Your browser has been opened to visit:

https://accounts.google.com/o/oauth2/auth?client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8085%2F&scope=openid+https%3A%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&code_challenge=N7T_e_wlaFED71QUvBSi8BsrwJyWoyI973ulS6yX2i8&code_challenge_method=S256&access_type=offline&response_type=code&prompt=select_account

You are logged in as: [96aayu@gmail.com].

Pick cloud project to use:
[1] devproject-287318
[2] groovy-ward-287313
[3] lunar-campaign-287313
[4] prodporject-13242443
[5] Create a new project
Please enter numeric choice or text value (must exactly match list item):  3

Your current project has been set to: [lunar-campaign-287313]. 

Not setting default zone/region (this feature makes it easier to use

Type here to search  O  🌐  📁  🎥  🖼  🎨  🎵  🎮  🎧  ENG  10:14 AM
Select C:\Windows\SYSTEM32\cmd.exe  IN  8/24/2020  (21)
```

```
[37] europe-west3-a
[38] europe-west3-b
[39] europe-west3-c
[40] europe-west4-a
[41] europe-west4-b
[42] europe-west4-c
[43] europe-west6-a
[44] europe-west6-b
[45] europe-west6-c
[46] northamerica-northeast1-a
[47] northamerica-northeast1-b
[48] northamerica-northeast1-c
[49] southamerica-east1-a
[50] southamerica-east1-b
Did not print [23] options.
Too many options [73]. Enter "list" at prompt to print choices fully.
Please enter your numeric choice: 19

Created [https://www.googleapis.com/compute/v1/projects/lunar-campaign-287313/zones/asia-southeast1-a/instances/os1].
NAME ZONE MACHINE_TYPE PREEMPTIBLE INTERNAL_IP EXTERNAL_IP STATUS
os1 asia-southeast1-a n1-standard-1 10.148.0.2 34.87.189.157 RUNNING

C:\Users\user>
```

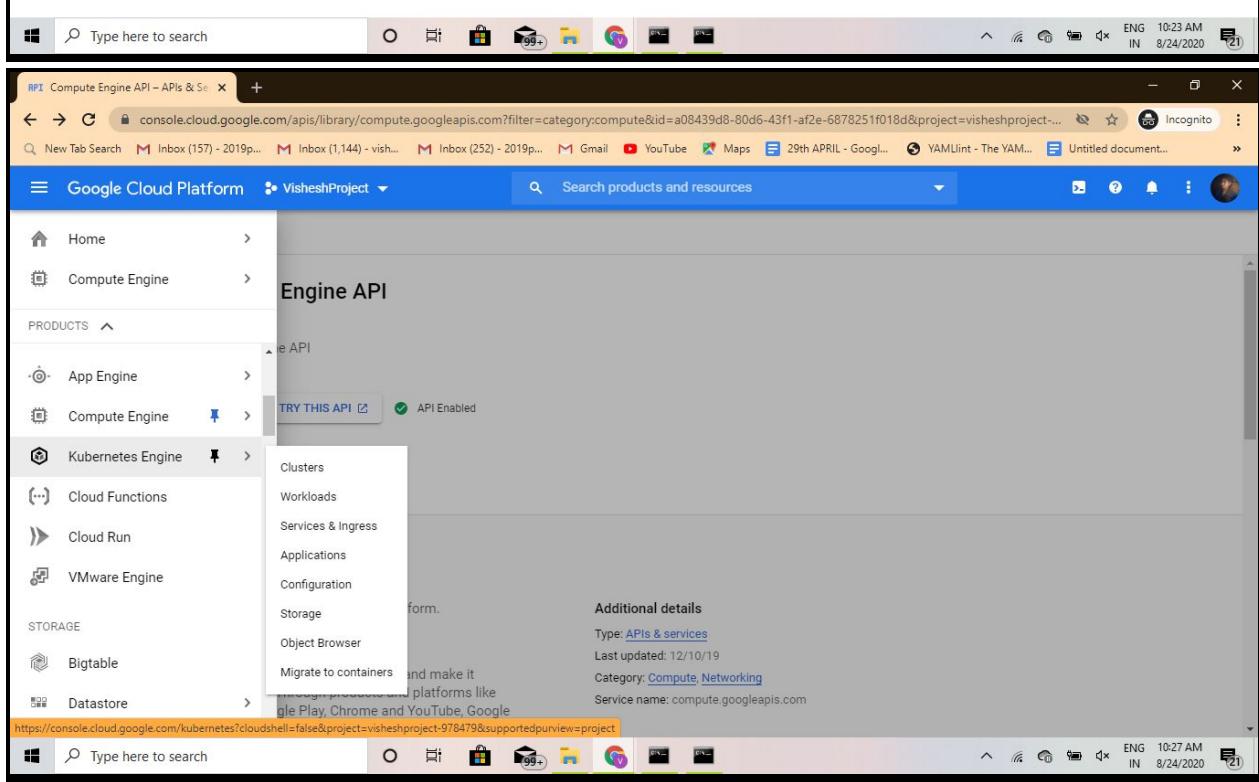
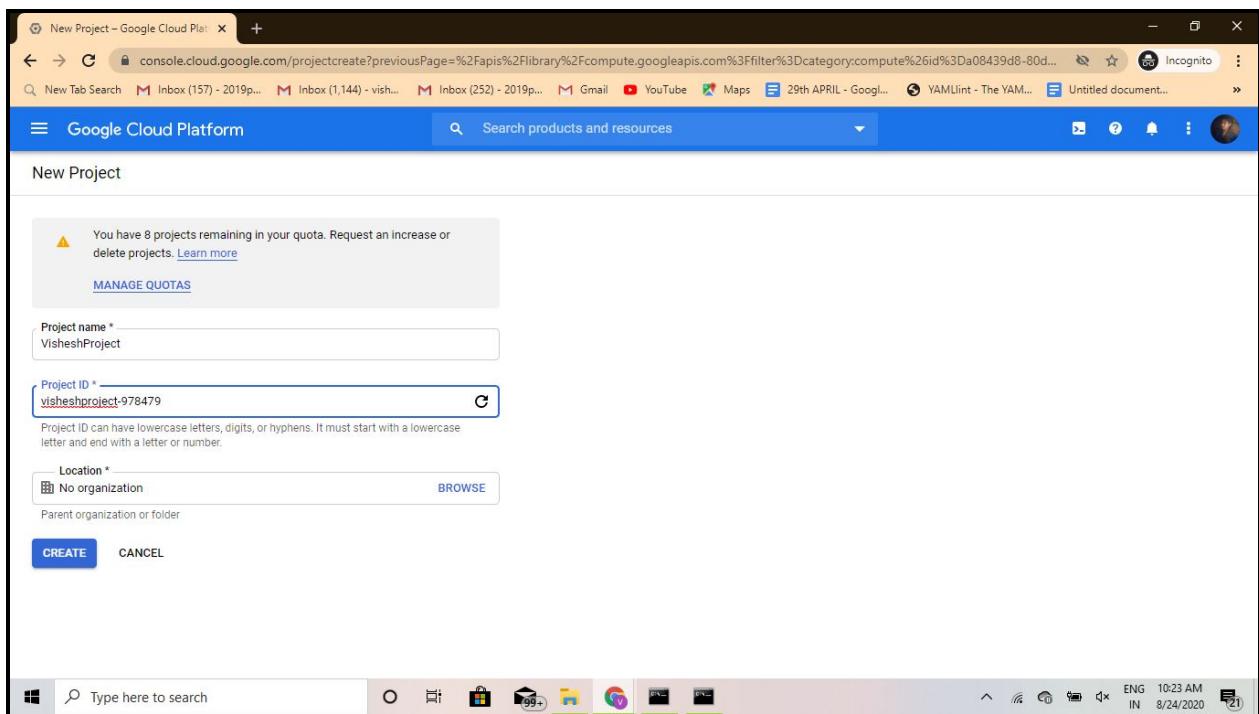
```
Type here to search 10:16 AM
Select C:\Windows\system32\cmd.exe - gcloud compute ssh os1
os1 asia-southeast1-a n1-standard-1 10.148.0.2 34.87.189.157 RUNNING

C:\Users\user>gcloud compute ssh os1
WARNING: The private SSH key file for gcloud does not exist.
WARNING: The public SSH key file for gcloud does not exist.
WARNING: The PuTTY PPK 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.
No zone specified. Using zone [asia-southeast1-a] for instance: [os1].
Updating project ssh metadata...\\Updated [https://www.googleapis.com/compute/v1/projects/lunar-campaign-287313].
Updating project ssh metadata...done.
Waiting for SSH key to propagate.
The server's host key is not cached in the registry. You
have no guarantee that the server is the computer you
think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 e2:1a:d8:c0:a5:e5:31:49:74:36:b4:95:75:7b:2d:e6
If you trust this host, enter "y" to add the key to
PUTTY's cache and carry on connecting.
If you want to carry on connecting just once, without
adding the key to the cache, enter "n".
If you do not trust this host, press Return to abandon the
connection.
Store key in cache? (y/n) ■
Type here to search 10:17 AM
Select C:\Windows\system32\cmd.exe - gcloud compute ssh os1
os1 asia-southeast1-a n1-standard-1 10.148.0.2 34.87.189.157 RUNNING
```

A screenshot of a Windows desktop environment. At the top, there's a taskbar with various icons: Start, Search, File Explorer, Edge, Task View, and others. The system tray shows the date (8/24/2020), time (10:20 AM), language (ENG IN), and battery status. Below the taskbar is a large black terminal window titled "user@os1:~". The terminal displays a standard Debian 4.19.0-10-cloud-amd64 login screen with the user "user" and a public key authentication message. It also includes the standard GNU/Linux copyright notice and a warning about no warranty. The prompt "user@os1:~\$" is visible at the bottom of the terminal window.

```
user@os1:~  
Using username "user".  
Authenticating with public key "VISHESHGARG/user@visheshgarg"  
Linux os1 4.19.0-10-cloud-amd64 #1 SMP Debian 4.19.132-1 (2020-07-24) x86_64  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*copyright.  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
user@os1:~$
```

type exit to exit the putty/instances



Google Cloud Platform

console.cloud.google.com/kubernetes/list?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform VisheshProject Search products and resources

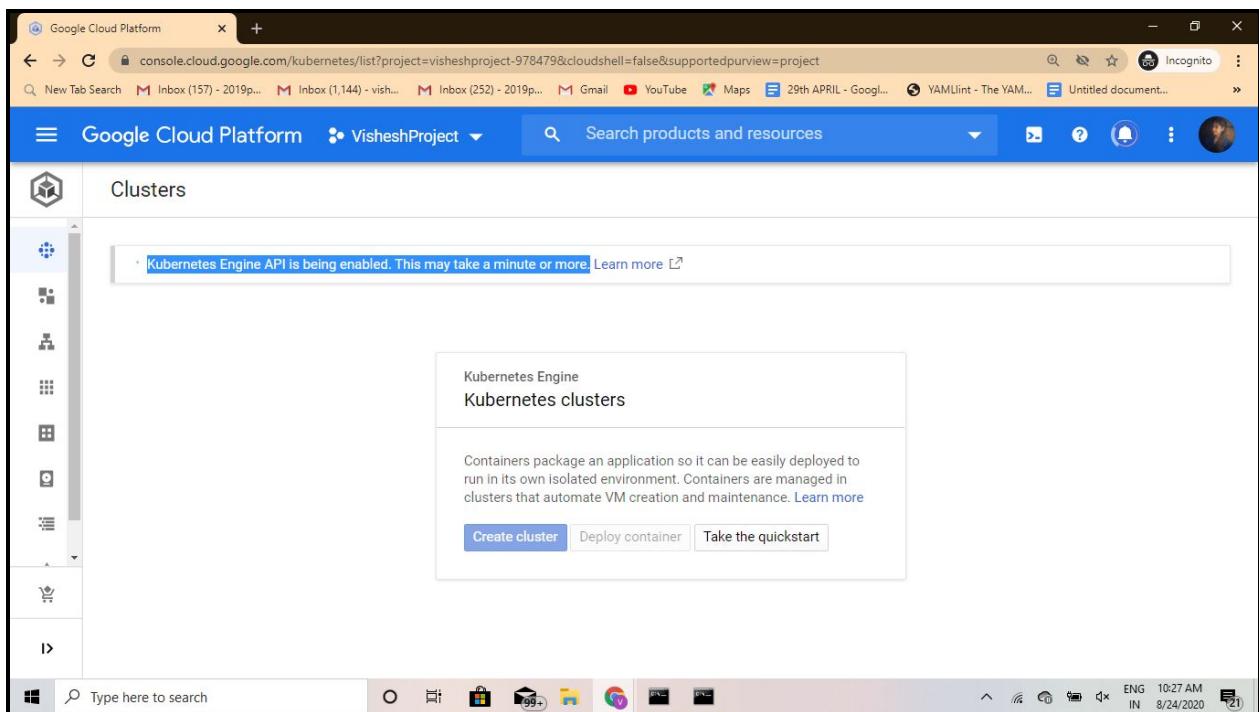
Clusters

Kubernetes Engine API is being enabled. This may take a minute or more. Learn more ↗

Kubernetes Engine
Kubernetes clusters

Containers package an application so it can be easily deployed to run in its own isolated environment. Containers are managed in clusters that automate VM creation and maintenance. Learn more

Create cluster Deploy container Take the quickstart



Create a Kubernetes cluster - Ku...

console.cloud.google.com/kubernetes/add?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform VisheshProject Search products and resources

Create a Kubernetes cluster

+ ADD NODE POOL - REMOVE NODE POOL

Cluster basics

To experiment with an affordable cluster, try My first cluster in the Cluster set-up guides

Name: cluster-1

Location type:

Zonal (radio button selected)

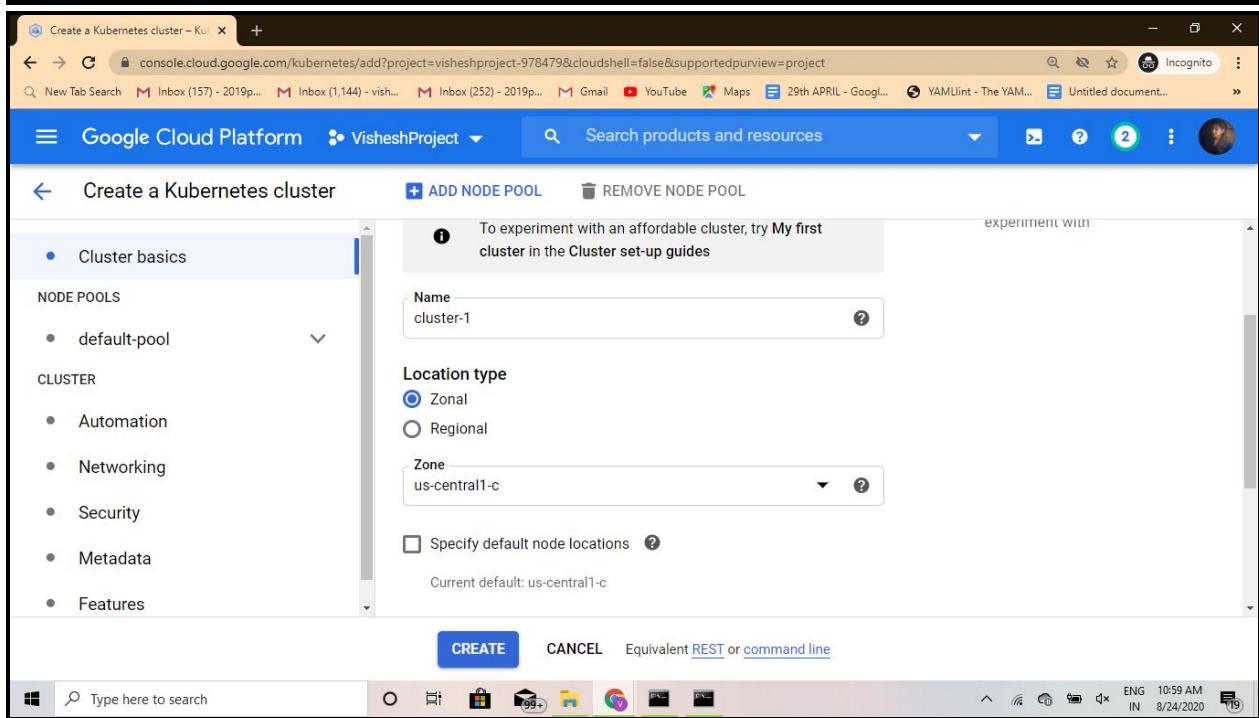
Regional

Zone: us-central1-c

Specify default node locations (checkbox)

Current default: us-central1-c

CREATE CANCEL Equivalent REST or command line



Create a Kubernetes cluster - Ku

console.cloud.google.com/kubernetes/add?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

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Create a Kubernetes cluster

+ ADD NODE POOL | REMOVE NODE POOL

Cluster basics

NODE POOLS

- default-pool

Nodes

Security

Metadata

CLUSTER

- Automation
- Networking

groups of nodes created in this cluster. More node pools can be added and removed after cluster creation.

Name: default-pool

Node version: 1.15.12-gke.2 (master version)

Size

Number of nodes*: 1

Pod address range limits the maximum size of the cluster. [Learn more](#)

Enable autoscaling

CREATE | CANCEL | Equivalent [REST](#) or command line

This screenshot shows the 'Create a Kubernetes cluster' page in the Google Cloud Platform. The 'default-pool' node pool is selected. The 'Nodes' section is expanded, showing options for 'Image type'. The 'Container-Optimized OS (cos) (default)' option is selected, with a note that it provides better security and performance but has limitations. Other options shown include 'cloud_ml', 'cloud_ml_gci', and 'Ubuntu'. The 'Number of nodes' field is set to 1. The 'CREATE' button is visible at the bottom.

Create a Kubernetes cluster - Ku

console.cloud.google.com/kubernetes/add?project=visheshproject-978479&cloudshell=false&supportedpurview=project

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Google Cloud Platform | VisheshProject | Search products and resources

Create a Kubernetes cluster

+ ADD NODE POOL | REMOVE NODE POOL

Cluster basics

NODE POOLS

- default-pool

Nodes

These node settings will be used when new nodes are created using this node pool.

Image type

- Container-Optimized OS (cos) (default)
cos provides better security and performance, but has limitations that may affect some users
- cloud_ml
- cloud_ml_gci
- Container-Optimized OS with Containerd (cos_containerd)
cos_containerd is a variant of the Container-Optimized OS image with containerd as the main container runtime directly integrated with Kubernetes.
- Ubuntu

CREATE | CANCEL | Equivalent [REST](#) or command line

This screenshot shows the 'Nodes' configuration for the 'default-pool' node pool. The 'Image type' dropdown is open, displaying several options: 'Container-Optimized OS (cos) (default)', 'cloud_ml', 'cloud_ml_gci', 'Container-Optimized OS with Containerd (cos_containerd)', and 'Ubuntu'. The 'Container-Optimized OS (cos) (default)' option is currently selected. The 'CREATE' button is visible at the bottom.

The screenshot shows the 'Create a Kubernetes cluster' page in the Google Cloud Platform. The left sidebar lists 'Cluster basics', 'NODE POOLS' (with 'default-pool' selected), and 'CLUSTER' sections. Under 'NODE POOLS', the 'Nodes' tab is active. On the right, under 'Machine types for common workloads, optimized for cost and flexibility', the 'Series' dropdown is set to 'N1'. The 'Machine type' dropdown is set to 'n1-standard-1 (1 vCPU, 3.75 GB memory)'. Below this, a table shows 'vCPU' as 1 and 'Memory' as 3.75 GB. A 'CPU PLATFORM AND GPU' section is expanded, showing 'Boot disk type' as 'Standard persistent disk'. At the bottom are 'CREATE', 'CANCEL', and 'Equivalent REST or command line' buttons.

This screenshot shows the same 'Create a Kubernetes cluster' interface, but with different configurations. The 'Boot disk size (GB)' field is set to 100. The 'Enable customer-managed encryption for boot disk' checkbox is unchecked. The 'Local SSD disks' and 'Enable preemptible nodes' checkboxes are also unchecked. The 'Networking' section is visible at the bottom of the configuration pane.

Zone: like in mumbai(region) we have 3 zones

All slave will launch in one zone that is zonal

Region: all slave will be spread equal in region

Create a Kubernetes cluster - Ku

console.cloud.google.com/kubernetes/add?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources

Create a Kubernetes cluster

+ ADD NODE POOL | - REMOVE NODE POOL

cluster-1

Location type
○ Zonal
● Regional

Region
asia-southeast1

Specify default node locations

Current default: 3 zones from asia-southeast1

Master version

Choose Release Channel to get automatic GKE upgrades as new versions are ready. Choose a static version to upgrade manually in the future. [Learn more.](#)

CREATE | CANCEL | Equivalent [REST](#) or command line

Type here to search

Windows taskbar: Type here to search, File Explorer, Task View, Start, Taskbar icons, ENG IN 11:02 AM IN 8/24/2020

Create a Kubernetes cluster - Ku

console.cloud.google.com/kubernetes/add?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources

Create a Kubernetes cluster

+ ADD NODE POOL | - REMOVE NODE POOL

cluster-1

Location type
● Regional

Region
asia-southeast1

Specify default node locations

The same number of nodes will be deployed to each selected zone

asia-southeast1-a
 asia-southeast1-b
 asia-southeast1-c

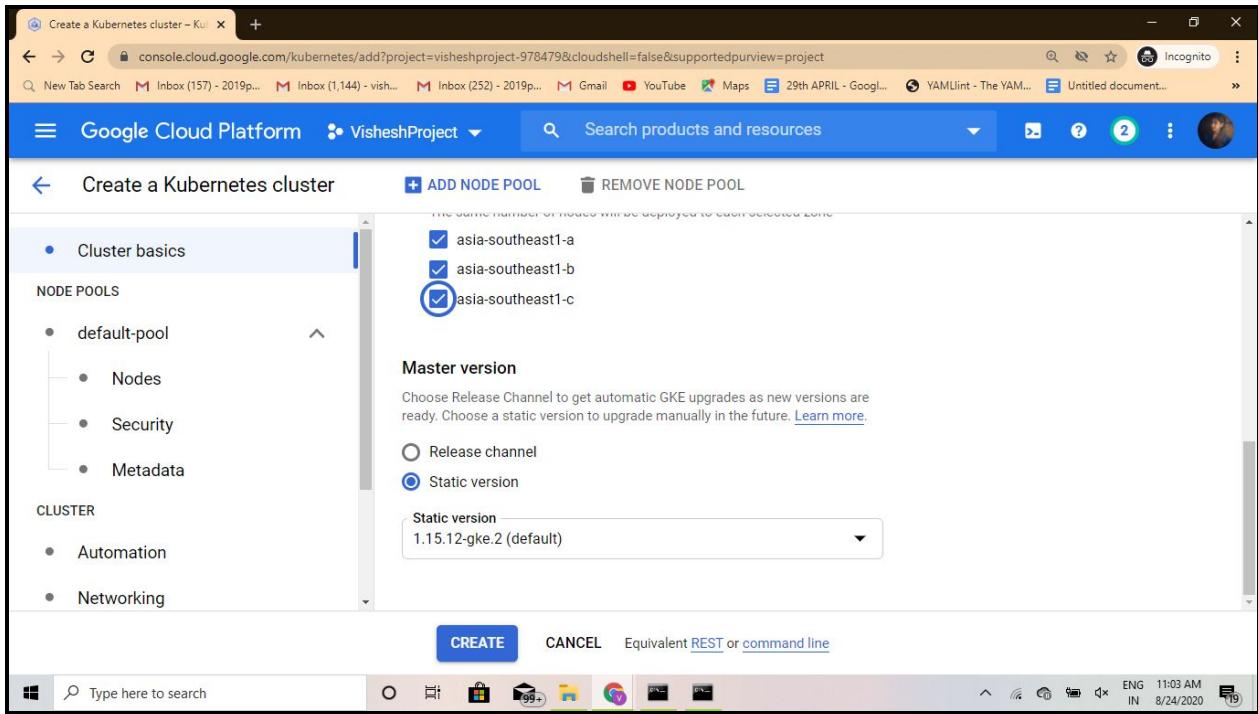
Master version

Choose Release Channel to get automatic GKE upgrades as new versions are ready. Choose a static version to upgrade manually in the future. [Learn more.](#)

CREATE | CANCEL | Equivalent [REST](#) or command line

Type here to search

Windows taskbar: Type here to search, File Explorer, Task View, Start, Taskbar icons, ENG IN 11:02 AM IN 8/24/2020



they will launch 3 nodes for us in 3 different zones

```
gcloud beta container --project "visheshproject-978479" clusters create
"cluster-1" --region "asia-southeast1" --no-enable-basic-auth --cluster-version
"1.15.12-gke.2" --machine-type "n1-standard-1" --image-type "COS" --disk-type
"pd-standard" --disk-size "100" --metadata disable-legacy-endpoints=true
--scopes
"https://www.googleapis.com/auth/devstorage.read_only","https://www.googleapis.com/auth/logging.write","https://www.googleapis.com/auth/monitoring","https://www.googleapis.com/auth/servicecontrol","https://www.googleapis.com/auth/service.management.readonly","https://www.googleapis.com/auth/trace.append"
--num-nodes "1" --enable-stackdriver-kubernetes --enable-ip-alias --network
"projects/visheshproject-978479/global/networks/default" --subnetwork
"projects/visheshproject-978479/regions/asia-southeast1/subnetworks/default"
--default-max-pods-per-node "110" --no-enable-master-authorized-networks
--addons HorizontalPodAutoscaling,HttpLoadBalancing --enable-autoupgrade
--enable-autorepair --max-surge-upgrade 1 --max-unavailable-upgrade 0
--node-locations "asia-southeast1-a","asia-southeast1-b","asia-southeast1-c"
```

The screenshot shows the Google Cloud Platform interface for managing Kubernetes clusters. The main pane displays a single cluster named "cluster-1" located in "asia-southeast1" with 3 vCPUs and 11.25 GB of memory. A "Connect" button is available for this cluster. The left sidebar contains various navigation icons, and the top bar includes tabs for "CREATE CLUSTER", "DEPLOY", "REFRESH", "DELETE", "SHOW INFO PANEL", and "LEARN".

A second screenshot shows a Google search results page for "kubectl download for windows". The top result is a link to the official Kubernetes documentation titled "Install and Set Up kubectl | Kubernetes". The URL for this page is highlighted.

```
curl -LO
https://storage.googleapis.com/kubernetes-release/release/v1.18.0/bin/windows/amd64/kubectl.exe
```

<https://kubernetes.io/docs/tasks/tools/install-kubectl/>

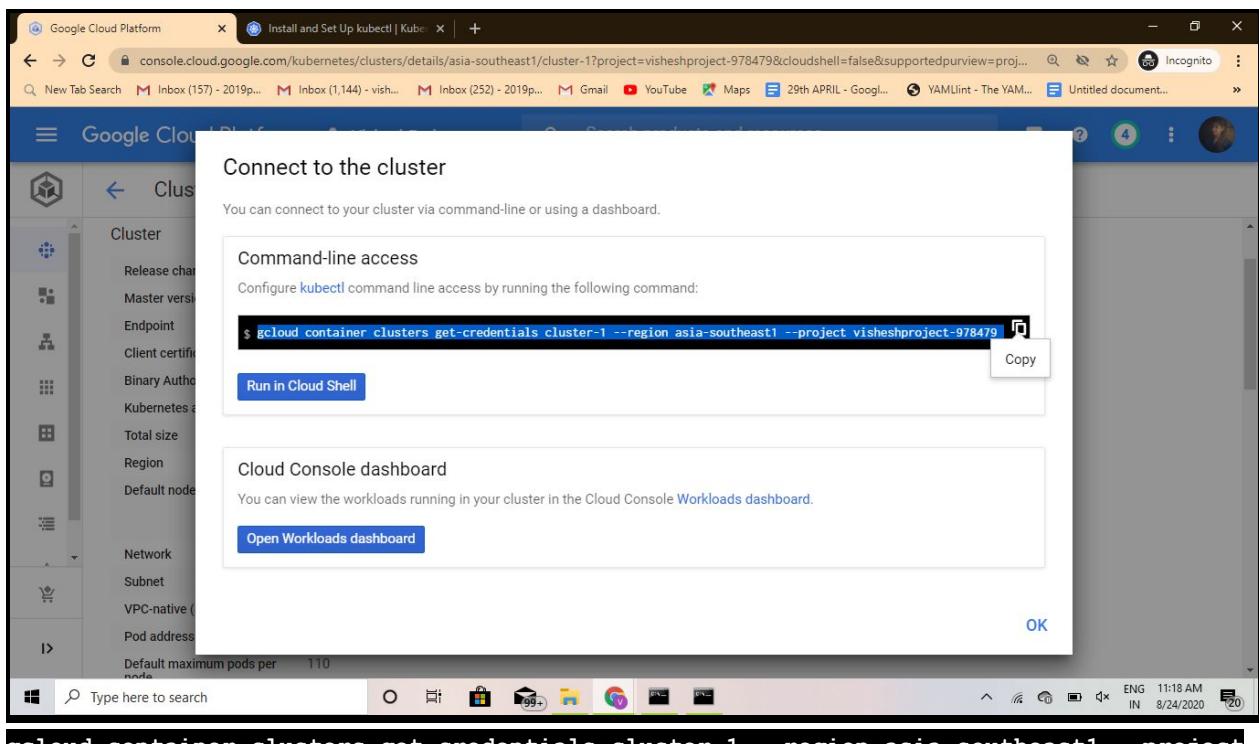
```
Select C:\Windows\system32\cmd.exe
have no guarantee that the server is the computer you
think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 e2:1a:d8:c0:a5:e5:31:49:74:36:b4:95:75:7b:2d:e6
If you trust this host, enter "y" to add the key to
PUTTY's cache and carry on connecting.
If you want to carry on connecting just once, without
adding the key to the cache, enter "n".
If you do not trust this host, press Return to abandon the
connection.
Store key in cache? (y/n)
C:\Users\user>
C:\Users\user>curl -LO https://storage.googleapis.com/kubernetes-release/release/v1.18.0/bin/windows/amd64/kubectl.exe
  % Total    % Received % Xferd  Average Speed   Time     Time      Time  Current
          Dload  Upload Total   Spent   Left  Speed
100 42.4M  100 42.4M    0     0  606k      0  0:01:11  0:01:11  --:--:-- 1833k

C:\Users\user>
C:\Users\user>kubectl.exe
kubectl controls the Kubernetes cluster manager.

Find more information at: https://kubernetes.io/docs/reference/kubectl/overview/
```

Basic Commands (Beginner):

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with various icons. Below the taskbar, a command prompt window is open, displaying the installation of the Kubernetes CLI (kubectl) from Google's storage repository. The command `curl -LO https://storage.googleapis.com/kubernetes-release/release/v1.18.0/bin/windows/amd64/kubectl.exe` is run, followed by the output showing the download progress and final command `kubectl controls the Kubernetes cluster manager.`. Below the command prompt, a browser window is open to the Google Cloud Platform 'Clusters' page for a project named 'VisheshProject'. The page lists details of a cluster named 'asia-southeast1-cluster-1', including its endpoint (35.247.154.235), master version (1.15.12-gke.2), and node zones (asia-southeast1-a, asia-southeast1-b, asia-southeast1-c). The browser's address bar shows the URL: console.cloud.google.com/kubernetes/clusters/details/asia-southeast1-cluster-1?project=visheshproject-978479&cloudshell=false&supportedpurview=proj....



```
gcloud container clusters get-credentials cluster-1 --region asia-southeast1 --project visheshproject-978479
```

```
cmd Select C:\Windows\system32\cmd.exe
config      Modify kubeconfig files
plugin      Provides utilities for interacting with plugins.
version     Print the client and server version information

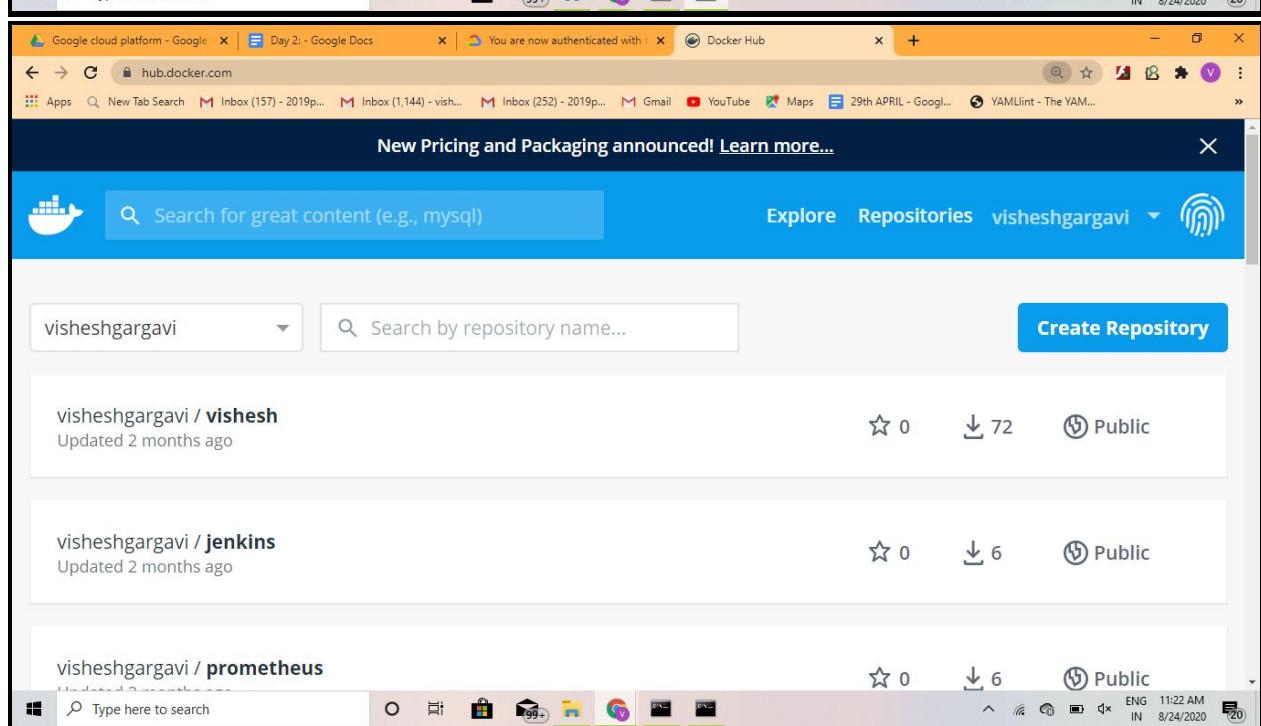
Usage:
  kubectl [flags] [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Users\user>gcloud container clusters get-credentials cluster-1 --region asia-southeast1 --project visheshproject-978479
Fetching cluster endpoint and auth data.
kubeconfig entry generated for cluster-1.

C:\Users\user>kubectl.exe get pods
No resources found in default namespace.

C:\Users\user>kubectl.exe get nodes
NAME           STATUS  ROLES   AGE    VERSION
gke-cluster-1-default-pool-38e4e287-bc2w  Ready   <none>  9m55s  v1.15.12-gke.2
gke-cluster-1-default-pool-8c0f48ee-9v4z  Ready   <none>  9m55s  v1.15.12-gke.2
gke-cluster-1-default-pool-ed529462-vpzs  Ready   <none>  9m55s  v1.15.12-gke.2

C:\Users\user>

```

```
Select C:\Windows\system32\cmd.exe
Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Users\user>gcloud container clusters get-credentials cluster-1 --region asia-southeast1 --project vi
sheshproject-978479
Fetching cluster endpoint and auth data.
kubeconfig entry generated for cluster-1.

C:\Users\user>kubectl.exe get pods
No resources found in default namespace.

C:\Users\user>kubectl.exe get nodes
NAME STATUS ROLES AGE VERSION
gke-cluster-1-default-pool-38e4e287-bc2w Ready <none> 9m55s v1.15.12-gke.2
gke-cluster-1-default-pool-8c0f48ee-9v4z Ready <none> 9m55s v1.15.12-gke.2
gke-cluster-1-default-pool-ed529462-vpzs Ready <none> 9m55s v1.15.12-gke.2

C:\Users\user>kubectl.exe run myos1 --image=vimal13/apache-webserver-php
pod/myos1 created

C:\Users\user>kubectl.exe get pods
NAME READY STATUS RESTARTS AGE
myos1 0/1 ContainerCreating 0 5s

C:\Users\user>
Type here to search
O Microsoft Edge File Explorer Google Chrome Task View Taskbar
ENG 11:24 AM IN 8/24/2020 20

Select C:\Windows\system32\cmd.exe
gke-cluster-1-default-pool-38e4e287-bc2w Ready <none> 9m55s v1.15.12-gke.2
gke-cluster-1-default-pool-8c0f48ee-9v4z Ready <none> 9m55s v1.15.12-gke.2
gke-cluster-1-default-pool-ed529462-vpzs Ready <none> 9m55s v1.15.12-gke.2

C:\Users\user>kubectl.exe run myos1 --image=vimal13/apache-webserver-php
pod/myos1 created

C:\Users\user>kubectl.exe get pods
NAME READY STATUS RESTARTS AGE
myos1 0/1 ContainerCreating 0 5s

C:\Users\user>kubectl.exe get pods
NAME READY STATUS RESTARTS AGE
myos1 1/1 Running 0 31s

C:\Users\user>kubectl.exe delete pods \
Error from server (NotFound): pods "\\" not found

C:\Users\user>kubectl.exe delete pod myos1
pod "myos1" deleted

C:\Users\user>kubectl.exe get pods
No resources found in default namespace.

C:\Users\user>
```

```
C:\Users\user>kubectl.exe delete pods \
Error from server (NotFound): pods "\\" not found

C:\Users\user>kubectl.exe delete pod myos1
pod "myos1" deleted

C:\Users\user>kubectl.exe get pods
No resources found in default namespace.

C:\Users\user>kubectl create deployment myweb --image=vimal13/apache-webserver-php
deployment.apps/myweb created

C:\Users\user>kubectl get all
NAME                           READY   STATUS            RESTARTS   AGE
pod/myweb-5c58879c65-hvrlg    0/1    ContainerCreating   0          4s

NAME           TYPE        CLUSTER-IP      EXTERNAL-IP    PORT(S)      AGE
service/kubernetes   ClusterIP   10.91.0.1    <none>        443/TCP     19m

NAME           READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/myweb    0/1    1           0          4s

NAME           DESIRED  CURRENT  READY   AGE
replicaset.apps/myweb-5c58879c65  1       1       0       5s

C:\Users\user>kubectl get all
NAME           TYPE        CLUSTER-IP      EXTERNAL-IP    PORT(S)      AGE
service/kubernetes   ClusterIP   10.91.0.1    <none>        443/TCP     19m

NAME           READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/myweb    1/1    1           1          17s

NAME           DESIRED  CURRENT  READY   AGE
replicaset.apps/myweb-5c58879c65  1       1       1       17s

C:\Users\user>kubectl delete pods pod/myweb-5c58879c65-hvrlg
error: there is no need to specify a resource type as a separate argument when passing arguments in resource/name form (e.g. 'kubectl get resource/<resource_name>' instead of 'kubectl get resource resource/<resource_name>')

C:\Users\user>kubectl delete pod/myweb-5c58879c65-hvrlg
pod "myweb-5c58879c65-hvrlg" deleted

C:\Users\user>kubectl.exe get pods
C:\Users\user>kubectl.exe get pods
NAME                           READY   STATUS            RESTARTS   AGE
myweb-5c58879c65-7c2bb    1/1    Running   0          12s

C:\Users\user>
```

```
C:\Users\user>kubectl.exe get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
myweb     1/1       1           1           3m14s

C:\Users\user>kubectl.exe get pods
NAME                  READY   STATUS    RESTARTS   AGE
myweb-5c58879c65-7c2bb   1/1     Running   0          2m20s

C:\Users\user>
C:\Users\user>kubectl.exe scale deployment myweb --replicas=5
deployment.extensions/myweb scaled

C:\Users\user>kubectl.exe get pods
NAME                  READY   STATUS    RESTARTS   AGE
myweb-5c58879c65-7c2bb   1/1     Running   0          2m45s
myweb-5c58879c65-m9rf1   0/1     ContainerCreating   0          2s
myweb-5c58879c65-mknnx   0/1     ContainerCreating   0          2s
myweb-5c58879c65-sfzg4   0/1     ContainerCreating   0          2s
myweb-5c58879c65-wb8pm   0/1     ContainerCreating   0          2s

C:\Users\user>kubectl.exe get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
myweb     2/5       5           2           3m49s
```

```
C:\Users\user>kubectl.exe get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
myweb     2/5       5           2           3m49s

C:\Users\user>kubectl.exe get pods -o wide
NAME                  READY   STATUS    RESTARTS   AGE   IP           NODE
                   NOMINATED NODE   READINESS GATES
myweb-5c58879c65-7c2bb   1/1     Running   0          3m16s   10.24.0.9   gke-cluster-1-default-pool-8
c0f48ee-9v4z   <none>    <none>
myweb-5c58879c65-m9rf1   1/1     Running   0          33s    10.24.1.6   gke-cluster-1-default-pool-3
8e4e287-bc2w   <none>    <none>
myweb-5c58879c65-mknnx   1/1     Running   0          33s    10.24.1.7   gke-cluster-1-default-pool-3
8e4e287-bc2w   <none>    <none>
myweb-5c58879c65-sfzg4   1/1     Running   0          33s    10.24.2.5   gke-cluster-1-default-pool-e
d529462-vpzs   <none>    <none>
myweb-5c58879c65-wb8pm   1/1     Running   0          33s    10.24.0.10  gke-cluster-1-default-pool-8
c0f48ee-9v4z   <none>    <none>

C:\Users\user>kubectl.exe get nodes
NAME                  STATUS   ROLES   AGE   VERSION
gke-cluster-1-default-pool-38e4e287-bc2w Ready   <none>   23m  v1.15.12-gke.2
gke-cluster-1-default-pool-8c0f48ee-9v4z Ready   <none>   23m  v1.15.12-gke.2
gke-cluster-1-default-pool-ed529462-vpzs Ready   <none>   23m  v1.15.12-gke.2

C:\Users\user>
```

Google Cloud Platform | Install and Set Up kubectl | Kube... | +

console.cloud.google.com/kubernetes/clusters/details/asia-southeast1/cluster-1?project=visheshproject-978479&cloudshell=false&supportedpurview=proj...

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources | EDIT | DELETE | ADD NODE POOL | DEPLOY | CONNECT | DUPLICATE

Home | Compute Engine | PRODUCTS ▾ | NETWORKING | VPC network | Network services | Hybrid Connectivity | Network Service Tiers | Network Security | Network Intelligence

Load balancing | Cloud DNS | Cloud CDN | Cloud NAT | Traffic Director | Service Directory

Edit release channel | Upgrade available | Renew cluster certificate

outheast1 | outheast1-a | outheast1-b | outheast1-c

out | out | out | out

0.0/14

<https://console.cloud.google.com/net-services/loadbalancing/list?cloudshell=false>

Type here to search

Select C:\Windows\system32\cmd.exe

```
C:\Users\user>kubectl get services
NAME      TYPE      CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
kubernetes   ClusterIP   10.91.0.1    <none>        443/TCP     29m

C:\Users\user>kubectl.exe expose deployment myweb --type=LoadBalancer --port=80
service/myweb exposed

C:\Users\user>kubectl.exe get all
NAME                            READY   STATUS    RESTARTS   AGE
pod/myweb-5c58879c65-7c2bb   1/1     Running   0          11m
pod/myweb-5c58879c65-m9rfl   1/1     Running   0          8m17s
pod/myweb-5c58879c65-mknxn   1/1     Running   0          8m17s
pod/myweb-5c58879c65-sfzg4   1/1     Running   0          8m17s
pod/myweb-5c58879c65-wb8pm   1/1     Running   0          8m17s

NAME      TYPE      CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
service/kubernetes   ClusterIP   10.91.0.1    <none>        443/TCP     31m
service/myweb       LoadBalancer  10.91.3.218  <pending>     80:30301/TCP  10s

NAME      READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/myweb   5/5      5           5           11m

NAME      DESIRED   CURRENT   READY   AGE
replicaset.apps/myweb-5c58879c65  5         5         5         11m
```

Type here to search

The screenshot shows the Google Cloud Platform Load Balancing interface. The main header includes the project name "VisheshProject". The left sidebar has a "Load balancing" section selected. The main content area displays a table with one row for a load balancer named "a8ef60dfb15d549a4bdf11f74cadc512". The table columns include Name, Protocol (TCP), Region (asia-southeast1), and Backends (1 target pool (3 instances)). A note at the bottom says, "To edit load balancing resources like forwarding rules and target proxies, go to the advanced menu."

The screenshot shows a browser window with the URL "35.240.166.42". The page content is a terminal session displaying system log output:

```
Welcome to vimal web server for testingeth0: flags=4163 mtu 1460
    inet 10.24.1.7 netmask 255.255.255.0 broadcast 10.24.1.255
        ether 0e:8b:e9:67:d8:b0 txqueuelen 0 (Ethernet)
        RX packets 14 bytes 1643 (1.6 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 4 bytes 204 (204.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73 mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
        loop txqueuelen 1000 (Local Loopback)
        RX packets 0 bytes 0 (0.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 0 bytes 0 (0.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Services & Ingress – Kubernetes | Install and Set Up kubectl | Kubernetes | 35.240.166.42

console.cloud.google.com/kubernetes/discovery?cloudshell=false&project=visheshproject-978479&supportedpurview=project&pageState={"savedViews":[]}

New Tab Search | Gmail | YouTube | Maps | 29th APRIL - Google Sheets | YAMLLint - The YAM...

Google Cloud Platform | VisheshProject | Search products and resources

REFRESH | CREATE INGRESS | DELETE | BETA

Cluster | Namespace | RESET | SAVE

SERVICES | INGRESS

Services are sets of Pods with a network endpoint that can be used for discovery and load balancing. Ingresses are collections of rules for routing external HTTP(S) traffic to Services.

Is system object : False Filter services and ingresses

Name	Status	Type	Endpoints	Pods	Namespace	Cluster
myweb	OK	External load balancer	35.240.166.42:80	5/5	default	cluster-1

Type here to search

This screenshot shows the 'Services & Ingress' page in the Google Cloud Platform console. It displays a single service named 'myweb' which is an 'External load balancer' type with one endpoint at 35.240.166.42:80. The service is associated with 5/5 pods in the 'default' namespace and is part of the 'cluster-1' cluster. The interface includes a sidebar with various icons and a top navigation bar with tabs for 'SERVICES' and 'INGRESS'.

Service details – Kubernetes Engine | Install and Set Up kubectl | Kubernetes | 35.240.166.42

console.cloud.google.com/kubernetes/service/asia-southeast1/cluster-1/default/myweb/overview?cloudshell=false&project=visheshproject-978479&supportedpurview=project&pageState={"savedViews":[]}

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Google Cloud Platform | VisheshProject | Search products and resources

REFRESH | EDIT | DELETE | KUBECTL | SHOW INFO PANEL

OVERVIEW | DETAILS | EVENTS | YAML

1 hour | 6 hours | 12 hours | 1 day | 2 days | 4 days | 7 days | 14 days | 30 days

CPU | Memory | Disk

Aug 24, 2020 11:02 AM | Limit: 9.03GB

Type here to search

This screenshot shows the 'Service details' page for the 'myweb' service. It provides an overview of resource usage over the last 30 days. The CPU usage is shown as a line graph with values ranging from 0 to 0.6. The Memory usage is shown as a line graph with values ranging from 0 to 64MB. The Disk usage is shown as a line graph with values ranging from 0 to 10GB. A callout box highlights a specific data point on the disk usage graph for Aug 24, 2020 at 11:02 AM, showing a limit of 9.03GB. The interface includes a sidebar with various icons and a top navigation bar with tabs for 'OVERVIEW', 'DETAILS', 'EVENTS', and 'YAML'.

Service details – Kubernetes Engine | Install and Set Up kubectl | Kubernetes | 35.240.166.42 | +

console.cloud.google.com/kubernetes/service/asia-southeast1/cluster-1/default/myweb/overview?cloudshell=false&project=visheshproject-978479&supportedpurview=project

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Google Cloud Platform | VisheshProject | Search products and resources

REFRESH EDIT DELETE KUBECTL SHOW INFO PANEL

Home | Compute Engine | PRODUCTS ▾ | Filestore | Storage | SQL | Spanner | Memorystore | Data Transfer | DATABASES

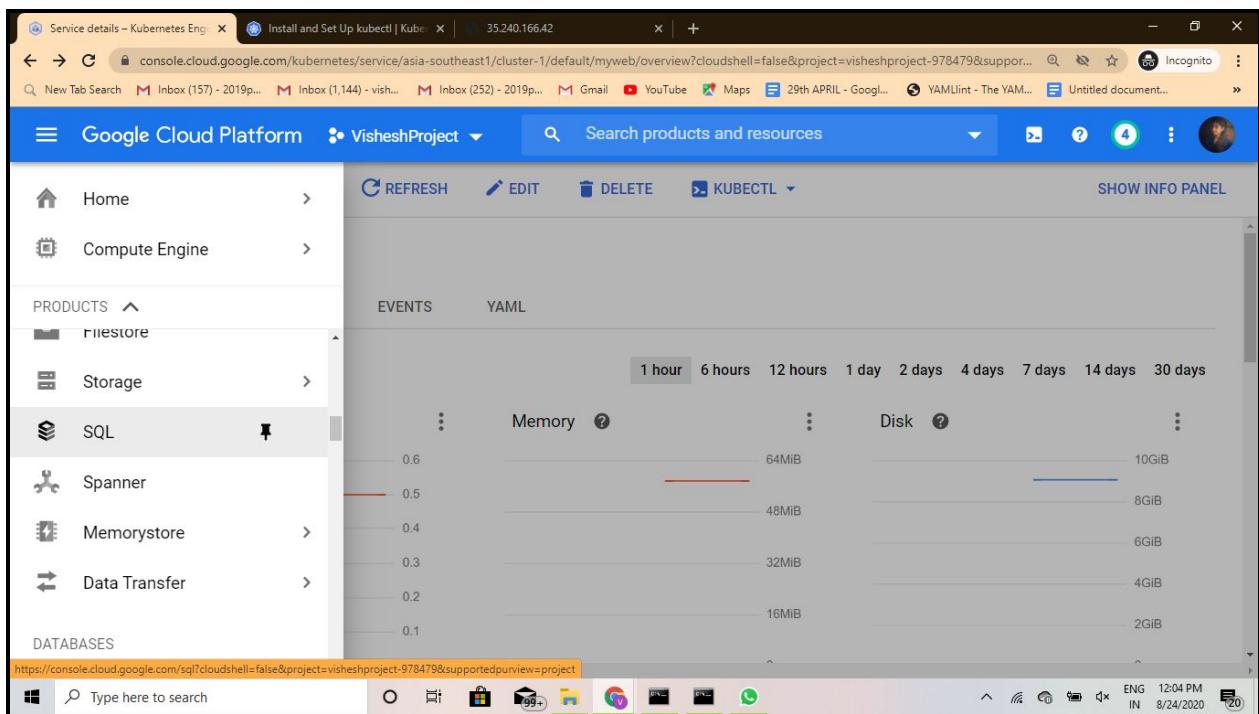
EVENTS | YAML | 1 hour | 6 hours | 12 hours | 1 day | 2 days | 4 days | 7 days | 14 days | 30 days

Memory Disk

Memory	Disk
64MB	10GiB
48MB	8GiB
32MB	6GiB
16MB	4GiB
0.1	2GiB

https://console.cloud.google.com/sql?cloudshell=false&project=visheshproject-978479&supportedpurview=project

Type here to search ENG 12:04 PM IN 8/24/2020



Instances – SQL – VisheshProject | Install and Set Up kubectl | Kubernetes | 35.240.166.42 | +

console.cloud.google.com/sql/instances?cloudshell=false&project=visheshproject-978479&supportedpurview=project

Incognito

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources

SQL Instances

Cloud SQL Instances

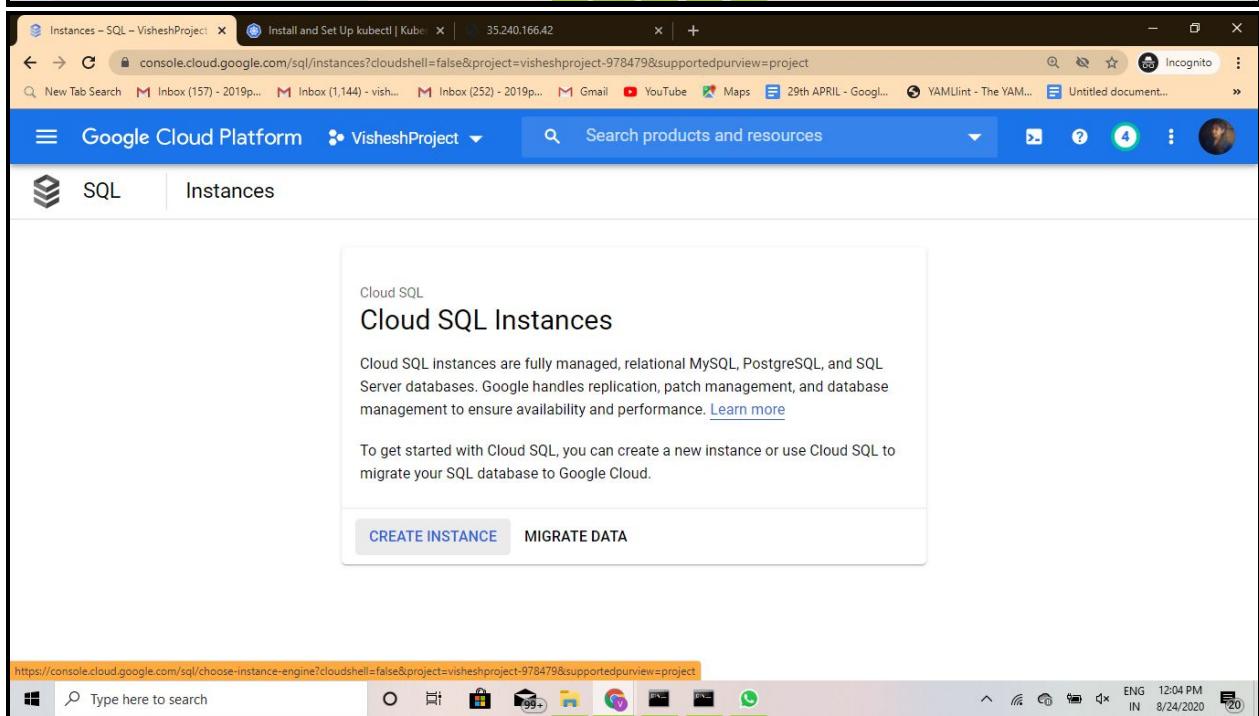
Cloud SQL instances are fully managed, relational MySQL, PostgreSQL, and SQL Server databases. Google handles replication, patch management, and database management to ensure availability and performance. [Learn more](#)

To get started with Cloud SQL, you can create a new instance or use Cloud SQL to migrate your SQL database to Google Cloud.

CREATE INSTANCE MIGRATE DATA

https://console.cloud.google.com/sql/choose-instance-engine?cloudshell=false&project=visheshproject-978479&supportedpurview=project

Type here to search ENG 12:04 PM IN 8/24/2020



Instances – SQL – VisheshProject | Install and Set Up kubectl | Kube... | 35.240.166.42 | +

console.cloud.google.com/sql/instances?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Gmail | YouTube | Maps | 29th APRIL - Google Calendar | YAMLLint - The YAM...

Incognito

Google Cloud Platform | VisheshProject | Search products and resources

Home | Compute Engine | Products: Filestore, Storage, SQL, Spanner, Memorystore, Data Transfer | Databases

Cloud SQL Instances

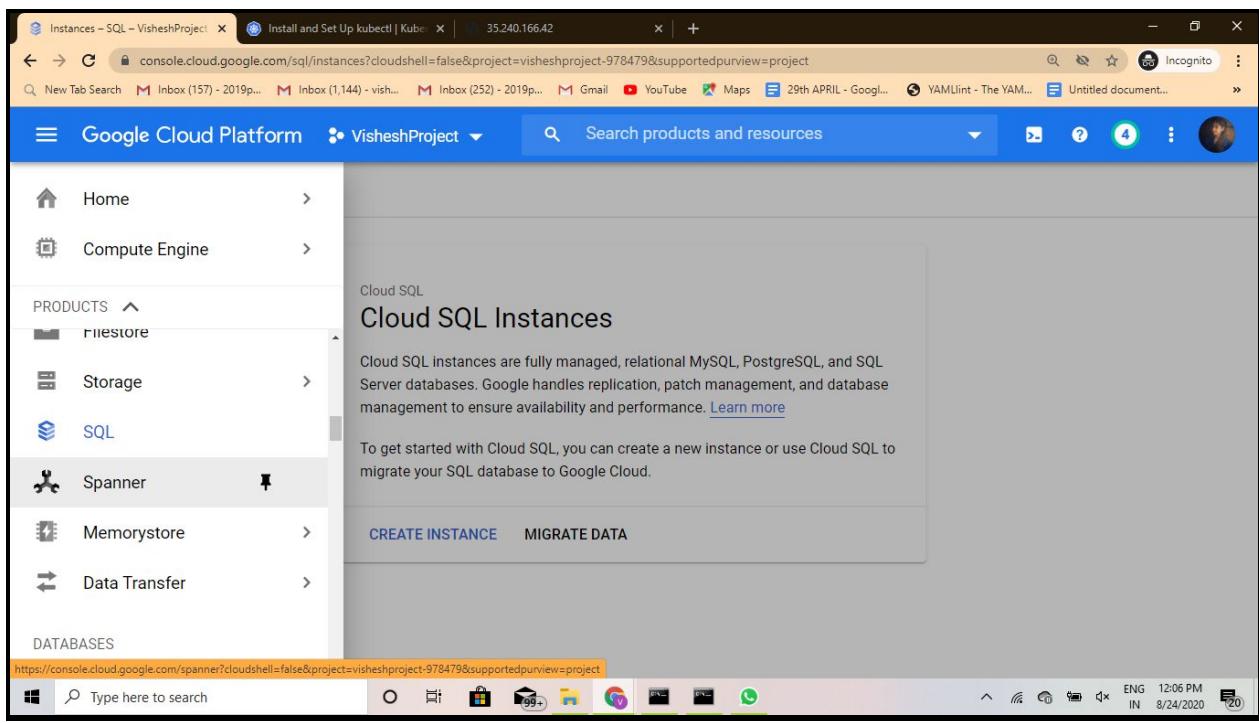
Cloud SQL instances are fully managed, relational MySQL, PostgreSQL, and SQL Server databases. Google handles replication, patch management, and database management to ensure availability and performance. [Learn more](#)

To get started with Cloud SQL, you can create a new instance or use Cloud SQL to migrate your SQL database to Google Cloud.

CREATE INSTANCE | MIGRATE DATA

<https://console.cloud.google.com/spanner?cloudshell=false&project=visheshproject-978479&supportedpurview=project>

12:06 PM IN 8/24/2020



Create an instance – SQL – VisheshProject | Install and Set Up kubectl | Kube... | 35.240.166.42 | +

console.cloud.google.com/sql/choose-instance-engine?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Gmail | YouTube | Maps | 29th APRIL - Google Calendar | YAMLLint - The YAM...

Incognito

Google Cloud Platform | VisheshProject | Search products and resources

SQL | Create an instance

Choose your database engine

MySQL | Versions: 5.6, 5.7 | Choose MySQL

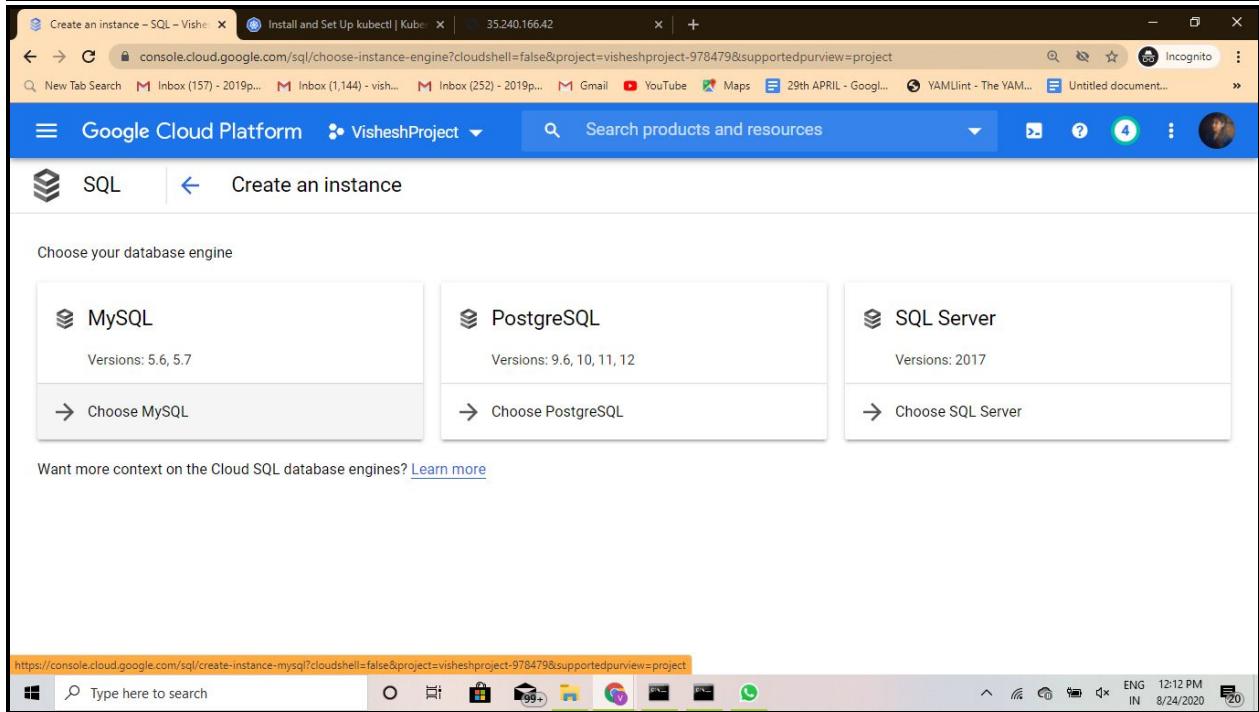
PostgreSQL | Versions: 9.6, 10, 11, 12 | Choose PostgreSQL

SQL Server | Versions: 2017 | Choose SQL Server

Want more context on the Cloud SQL database engines? [Learn more](#)

<https://console.cloud.google.com/sql/create-instance-mysql?cloudshell=false&project=visheshproject-978479&supportedpurview=project>

12:12 PM IN 8/24/2020



The screenshot shows the 'Create a MySQL instance' page in the Google Cloud Platform. The 'Instance info' section is visible, with the 'Instance ID' field containing 'mydbos'. The 'Root password' section shows a password 'redhat' entered in the input field. The 'Location' section shows the 'Region' set to 'asia-southeast1 (Singapore)' and the 'Zone' dropdown set to 'Any'. The browser's address bar shows the URL: `console.cloud.google.com/sql/create-instance-mysql?cloudshell=false&project=visheshproject-978479&supportedpurview=project`.

This screenshot shows the same 'Create a MySQL instance' page, but with more configuration options filled in. In addition to the previous fields, it includes a 'Database version' dropdown set to 'MySQL 5.7' and a 'Show configuration options' link. The 'Create' button is visible at the bottom left. The browser's address bar shows the same URL as the first screenshot.

Overview - SQL - VisheshProject | Install and Set Up kubectl | Kube... | 35.240.166.42 | +

console.cloud.google.com/sql/instances/mydbos/overview?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Gmail | YouTube | Maps | 29th APRIL - Google... | YAMLInt - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources | ☰ ? 🔍

☰ Overview EDIT IMPORT EXPORT RESTART STOP DELETE CLONE

Connect to this instance

Connection name: visheshproject-978479:asia-southeast1:mydbos

Suggested actions

Operations and logs

Creation Time	Type	Status
Aug 24, 2020, 12:13:54 PM	Create	Instance is being created

Configuration

vCPUs	Memory	SSD storage
1	3.75 GB	10 GB

Database version is MySQL 5.7
Auto storage increase is enabled
Automated backups are enabled
Point-in-time recovery is enabled
Located in asia-southeast1-a

Type here to search

Overview - SQL - VisheshProject | Cloud Shell | Install and Set Up kubectl | Kube... | 35.240.166.42 | +

console.cloud.google.com/sql/instances/mydbos/overview?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search | Gmail | YouTube | Maps | 29th APRIL - Google... | YAMLInt - The YAM... | Untitled document...

Google Cloud Platform | VisheshProject | Search products and resources | ☰ ? 🔍

☰ Overview EDIT IMPORT EXPORT RESTART STOP DELETE CLONE

Connect to this instance

Public IP address: 35.240.136.141

Connection name: visheshproject-978479:asia-southeast1:mydbos

Configuration

vCPUs	Memory	SSD storage
1	3.75 GB	10 GB

Database version is MySQL 5.7
Auto storage increase is enabled
Automated backups are enabled

Type here to search

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to **visheshproject-978479**.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
g96aayu@cloudshell:~ (visheshproject-978479)\$ mysql -h 35.240.136.141 -u root -p
Enter password:
^C
g96aayu@cloudshell:~ (visheshproject-978479)\$ mysql -h 35.240.136.141 -u root -p
Enter password:
ERROR 2003 (HY000): Can't connect to MySQL server on '35.240.136.141' (110)
g96aayu@cloudshell:~ (visheshproject-978479)\$

mydbos Edit instance - Vishes... Cloud Shell x Install and Set Up kubectl | Kube... 35.240.166.42 x +

Type here to search

mydbos Edit instance - Vishes... Cloud Shell x Install and Set Up kubectl | Kube... 35.240.166.42 x +

console.cloud.google.com/sql/instances/mydbos/edit-performance-class?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

12:18 PM IN 8/24/2020

Google Cloud Platform VishesProject Search products and resources

Edit instance

any IPv4 client to pass the network firewall and make login attempts to your instance, including clients you did not intend to allow. Clients still need valid credentials to successfully log in to your instance.

Authorized networks

Authorize a network or use a Proxy to connect to your instance. Networks will only be authorized via these addresses. [Learn more](#)

New network

Name (Optional)
allowall

Network
Use CIDR notation. [Learn more](#)
0.0.0.0/0

Done Cancel

+ Add network

Type here to search

12:20 PM IN 8/24/2020

mydbos Edit instance - VisheshP Cloud Shell Install and Set Up kubectl | Kube... 35.240.166.42

console.cloud.google.com/sql/instances/mydbos/edit-performance-class?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search Gmail YouTube Maps 29th APRIL - Google Calendar YAMLLint - The YAM... Untitled document...

Incognito

Google Cloud Platform VisheshProject Search products and resources

Edit instance

Private IP
Private IP connectivity requires additional APIs and permissions. You may need to contact your organization's administrator for help enabling or using this feature.
Currently, Private IP cannot be disabled once it has been enabled.

Public IP
Authorized networks
Authorize a network or use a Proxy to connect to your instance. Networks will only be authorized via these addresses. Learn more

! Network address required Not saved

+ Add network

Close

Machine type and storage
Machine type is db-n1-standard-1. Storage type is SSD. Storage size is 10 GB, and will automatically scale as needed.

Type here to search

12:20 PM IN 8/24/2020

Overview - SQL - VisheshProject Cloud Shell Install and Set Up kubectl | Kube... 35.240.166.42

console.cloud.google.com/sql/instances/mydbos/overview?project=visheshproject-978479&cloudshell=false&supportedpurview=project

New Tab Search Gmail YouTube Maps 29th APRIL - Google Calendar YAMLLint - The YAM... Untitled document...

Incognito

Google Cloud Platform VisheshProject Search products and resources

SQL

MASTER INSTANCE

Overview

Connections

Users

Databases

Backups

Replicas

Operations

Import Export Restart Stop Delete Clone

Order of update ? Cloud SQL chooses the maintenance timing.

Notifications Off Upcoming No maintenance scheduled right now.

Edit maintenance preferences

Edit notification preferences

Type here to search

12:21 PM IN 8/24/2020

The screenshot shows the Google Cloud Platform Databases interface. On the left, there's a sidebar with icons for Databases, Compute Engine, Cloud Storage, and Cloud Functions. The main area shows a list of databases under 'mydbos': information_schema, mysql, performance_schema, and sys. A modal window titled 'Create a database' is open on the right, prompting for a 'Database Name' (set to 'visheshdb'), 'Character set' (set to 'utf8'), and 'Collation' (set to 'Default collation'). Below the modal is a table with columns 'Name', 'Collation', and 'Character set', listing the same four databases.

The screenshot shows the Cloud Shell interface. It displays the MySQL prompt with the following commands and output:

```
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql> show databases  
-> ^C  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+-----+  
4 rows in set (0.01 sec)  
  
mysql>
```

Databases - SQL - VisheshProject

Cloud Shell

Install and Set Up kubectl | Kube

35.240.166.42

console.cloud.google.com/sql/instances/mydbos/databases?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Incognito

Google Cloud Platform | VisheshProject | Search products and resources

Databases

All instances > mydbos

mydbos

MySQL 5.7

+ CREATE DATABASE

Name	Collation	Character set	Type
information_schema	utf8_general_ci	utf8	System
mysql	utf8_general_ci	utf8	System
performance_schema	utf8_general_ci	utf8	System
sys	utf8_general_ci	utf8	User
visheshdb	utf8_general_ci	utf8	User

Type here to search

12:25 PM IN 8/24/2020

Databases - SQL - VisheshProject

Cloud Shell

Install and Set Up kubectl | Kube

35.240.166.42

console.cloud.google.com/sql/instances/mydbos/databases?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Incognito

Google Cloud Platform | VisheshProject | Search products and resources

SQL

MASTER INSTANCE

Overview

Connections

Users

Databases

Collation	Character set	Type
utf8_general_ci	utf8	System
utf8_general_ci	utf8	System
utf8_general_ci	utf8	System
utf8_general_ci	utf8	User
utf8_general_ci	utf8	User

Backups

Replicas

Operations

Type here to search

12:25 PM IN 8/24/2020

Google Cloud Platform - VisheshProject - 35.240.166.42

Cloud Shell | Install and Set Up kubectl | Kube... | 35.240.166.42

console.cloud.google.com/sql/instances/mydbos/users?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...

Incognito

Google Cloud Platform - VisheshProject

Search products and resources

Users

All instances > mydbos

mydbos

MySQL 5.7

User accounts enable users and applications to connect to your Cloud SQL instance. [Learn more](#)

+ ADD USER ACCOUNT

User name	Host name
mysql.sys	localhost
root	% (any host)

hub.docker.com/search?q=wordpress&type=image

Google cloud plat... | Day 2! - Google D... | You are now auth... | Explore - Docker | Google GCP - Go... | 23rdAug2020 GCF | Coronavirus India

Apps | New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM...

Docker | Containers | Plugins

Type here to search

Filters

1 - 25 of 7,893 results for **wordpress**. [Clear search](#)

Most Popular

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Official Images

Official Images Published By Docker

wordpress

OFFICIAL IMAGE

10M+ 3.7K

Downloads Stars

Updated 7 hours ago

The WordPress rich content management system can utilize plugins, widgets, ...

Container Linux PowerPC 64 LE ARM 64 ARM x86-64 mips64le

386 IBM Z Application Services

https://hub.docker.com/_/wordpress

Type here to search

```
cmd Select C:\Windows\system32\cmd.exe
C:\Users\user>kubectl.exe scale deployment myweb --replicas=2
deployment.extensions/myweb scaled

C:\Users\user>kubectl.exe create deployment mywp --image=wordpress
deployment.apps/mywp created

C:\Users\user>kubectl.exe get deployment
NAME      READY  UP-TO-DATE  AVAILABLE   AGE
myweb     2/2    2          2           59m
mywp      0/1    1          0           8s

C:\Users\user>kubectl get pods -o wide
NAME                  READY  STATUS        NOMINATED NODE  READINESS GATES
myweb-5c58879c65-7c2bb 1/1    Running      <none>       gke-cluster-1-default
t-pool-8c0f48ee-9v4z   1/1    Running      <none>
myweb-5c58879c65-wb8pm 1/1    Running      <none>       gke-cluster-1-default
t-pool-8c0f48ee-9v4z   1/1    Running      <none>
mywp-56fd8dfcd6-sgxqc 0/1    ContainerCreating 0           19s       <none>       gke-cluster-1-default
t-pool-8c0f48ee-9v4z   0/1    <none>

C:\Users\user>
```

```
cmd Select C:\Windows\SYSTEM32\cmd.exe
4526950' to proceed.
- '@type': type.googleapis.com/google.rpc.PreconditionFailure
  violations:
  - description: "billing-enabled: Project's billing account is not open. https://console.developers.google.com/project/212014526950/settings"
    subject: '212014526950'
    type: serviceusage/billing-enabled

C:\Users\user\AppData\Local\Google\Cloud SDK>kubectl expose deployment mywp --type=LoadBalancer --port=80
service/mywp exposed

C:\Users\user\AppData\Local\Google\Cloud SDK>
```

```

Select C:\Windows\system32\cmd.exe
C:\Users\user>kubectl.exe create deployment mywp --image=wordpress
deployment.apps/mywp created

C:\Users\user>kubectl.exe get deployment
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
myweb     2/2     2           2           59m
mywp      0/1     1           0           8s

C:\Users\user>kubectl get pods -o wide
NAME                           READY   STATUS             RESTARTS   AGE   IP          NODE
                            NOMINATED   NODE   READINESS   GATES
myweb-5c58879c65-7c2bb   1/1     Running            0          58m   10.24.0.9   gke-cluster-1-default
t-pool-8c0f48ee-9v4z    <none>   <none>            <none>
myweb-5c58879c65-wb8pm   1/1     Running            0          55m   10.24.0.10  gke-cluster-1-default
t-pool-8c0f48ee-9v4z    <none>   <none>            <none>
mywp-56fd8dfcd6-sgxqc  0/1     ContainerCreating  0          19s   <none>       gke-cluster-1-default
t-pool-8c0f48ee-9v4z    <none>   <none>            <none>

C:\Users\user>kubectl get services
NAME      TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
kubernetes  ClusterIP  10.91.0.1   <none>        443/TCP   81m
myweb     LoadBalancer  10.91.3.218  35.240.166.42  80:30301/TCP  49m
mywp      LoadBalancer  10.91.13.29   <pending>    80:31810/TCP  17s

C:\Users\user>

```

Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)

We're going to use this information to create a wp-config.php file. **If for any reason this automatic file creation doesn't work, don't worry. All this does is fill in the database information to a configuration file. You may also simply open wp-config-sample.php in a text editor, fill in your information, and save it as wp-config.php.** Need more help? [We got it.](#)

In all likelihood, these items were supplied to you by your Web Host. If you don't have this information, then you will need to contact them before you can continue. If you're all ready...

[Let's go!](#)

Instances – SQL – VisheshProject

Instance ID	Type	Public IP address	Private IP address	Instance connection name	High availability	Location
mydbos	MySQL 5.7	35.240.136.141		visheshproject-9784...	ADD	asia-southea...

The image shows a Windows desktop environment with two browser windows open in Google Chrome.

Top Browser Window:

- Title Bar:** Overview – SQL – VisheshProj | Cloud Shell | Install and Set Up kubectl | Kube... | 35.240.166.42 | WordPress > Setup Configuration
- Address Bar:** Not secure | 35.240.254.72/wp-admin/setup-config.php?step=1
- Content:** A form for entering database connection details. Fields include:
 - Database Name: visheshdb (description: The name of the database you want to use with WordPress.)
 - Username: root (description: Your database username.)
 - Password: redhat (description: Your database password.)
 - Database Host: 35.240.136.141 (description: You should be able to get this info from your web host, if localhost doesn't work.)
 - Table Prefix: wp_ (description: If you want to run multiple WordPress installations in a single database, change this.)
- Buttons:** Submit

Bottom Browser Window:

- Title Bar:** Overview – SQL – VisheshProj | Cloud Shell | Install and Set Up kubectl | Kube... | 35.240.166.42 | WordPress > Setup Configuration
- Address Bar:** Not secure | 35.240.254.72/wp-admin/setup-config.php?step=2
- Content:** Confirmation message: All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...
A blue "Run the installation" button.

System Tray: Shows the date and time (8/24/2020, 12:32 PM), battery level (20%), and network status.

Not secure | 35.240.254.72/wp-admin/install.php?language=en_US

Incognito

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title Hi vishesh

Username vishesh

Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password of7qs8jnPqM6ZHsVCE 
Strong

Your Email vishesh8199@gmail.com

Double-check your email address before continuing.

Search engine visibility Discourage search engines from indexing this site
It is up to search engines to honor this request.

Install WordPress

Not secure | 35.240.254.72/wp-login.php

Log In < Hi vishesh — WordPress

Incognito



Username or Email Address
vishesh

Password
 

Remember Me **Log In**

Lost your password?
← Back to Hi vishesh

Welcome to WordPress!

We've assembled some links to get you started:

Get Started

- Customize Your Site

or, [change your theme completely](#).

Next Steps

- Write your first blog post
- Add an About page
- Set up your homepage
- View your site

More Actions

- Manage widgets
- Manage menus
- Turn comments on or off
- Learn more about getting started

Site Health Status

No information yet...

Site health checks will automatically run periodically to gather information about your site. You can also [visit the Site Health screen](#) to gather information about your site now.

Quick Draft

Title
Content
What's on your mind?

Google Cloud Platform | **VisheshProject** | Search products and resources

Compute Engine

Type	Status
Create	Database created
Browser	Update finished
Monitoring	
Transfer	Backup finished
Transfer for on-premises	Create finished
Transfer Appliance	
Settings	

Notifications
Off

Upcoming
No maintenance scheduled right now.

[Edit maintenance preferences](#)

[Edit notification preferences](#)

This screenshot shows the Google Cloud Platform Storage browser. The interface includes a top navigation bar with tabs like 'Storage browser - Storage', 'Cloud Shell', 'Install and Set Up kubectl | K...', '35.240.166.42', and 'Dashboard < Hi vishesh — Wo...'. Below the navigation is a search bar and a main content area titled 'Storage browser'. It features a toolbar with 'CREATE BUCKET', 'DELETE', 'REFRESH', 'SHOW INFO PANEL', and 'LEARN' buttons. On the left is a sidebar with icons for buckets, logs, metrics, and other services. The main table area has columns for Name, Created, Location type, Location, Default storage class, Updated, Public access, and Access controls. A message indicates 'No rows to display'. The status bar at the bottom shows system information like 'ENG IN 12:37 PM 8/24/2020'.

This screenshot shows the Google Cloud Platform navigation menu open, specifically the 'IAM' section. The menu items include Home, Compute Engine, PRODUCTS (with sub-options like Billing), API, Support, IAM & Admin, Getting started, Security, and Anthos. The 'IAM' section is currently selected and expanded, showing sub-options: Identity & Organization, Policy Troubleshooter, Organization Policies, Quotas, Service Accounts, Labels, Settings, Privacy & Security, Identity-Aware Proxy, Roles, Audit Logs, and Manage Resources. The URL in the address bar is <https://console.cloud.google.com/iam-admin/quotas?cloudshell=false&project=visheshproject-978479&supportedpurview=project>. The status bar at the bottom shows 'ENG IN 12:41 PM 8/24/2020'.

IAM – IAM & Admin – VisheshProject

Cloud Shell

Install and Set Up kubectl | Kube

35.240.166.42

Dashboard < Hi vishesh — Work

New Tab Search

Inbox (157) - 2019p...
Inbox (1,144) - vish...
Inbox (252) - 2019p...
Gmail

YouTube

Maps

29th APRIL - Google...

YAMLInt - The YAM...

Untitled document...

Incognito

Add members to "VisheshProject"

Add members, roles to "VisheshProject" project

Enter one or more members below. Then select a role for these members to grant them access to your resources. Multiple roles allowed. [Learn more](#)

New members

Select a role

Condition [Add condition](#)

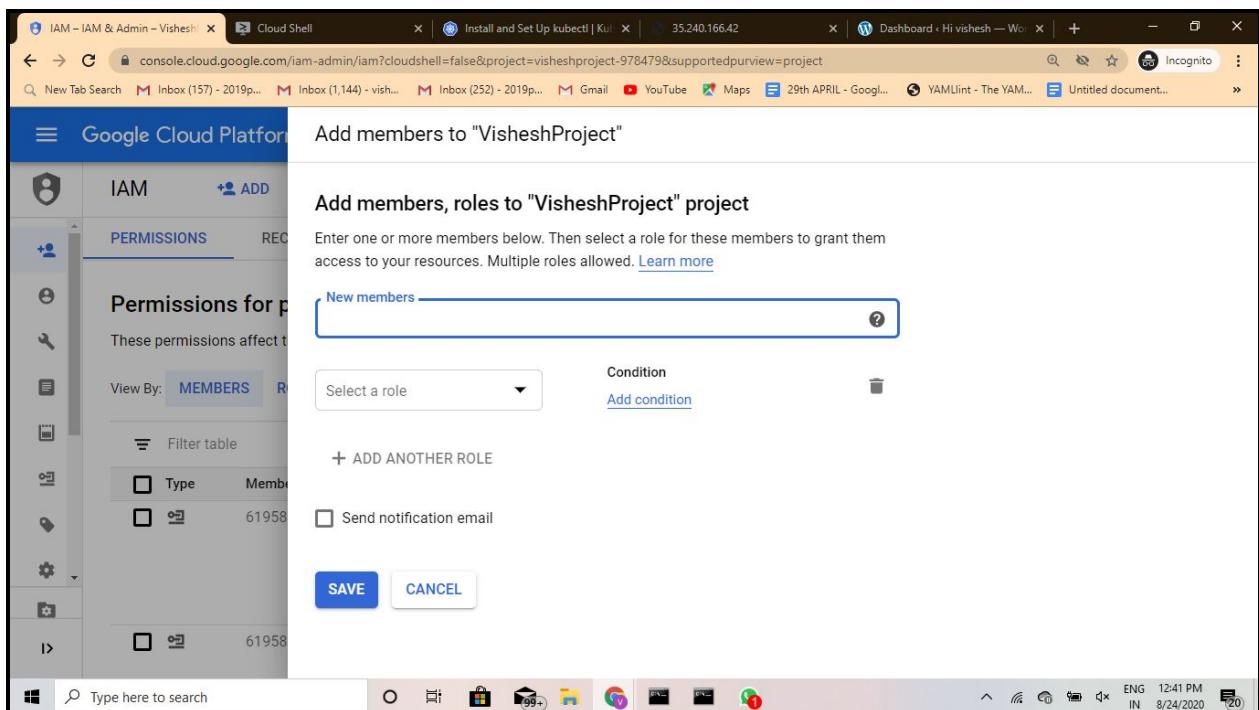
+ ADD ANOTHER ROLE

Send notification email

SAVE **CANCEL**

Type here to search

12:41 PM
ENG IN 8/24/2020



IAM – IAM & Admin – VisheshProject

Cloud Shell

Install and Set Up kubectl | Kube

35.240.166.42

Dashboard < Hi vishesh — Work

New Tab Search

Inbox (157) - 2019p...
Inbox (1,144) - vish...
Inbox (252) - 2019p...
Gmail

YouTube

Maps

29th APRIL - Google...

YAMLInt - The YAM...

Untitled document...

Incognito

Add members to "VisheshProject"

Add members, roles to "VisheshProject" project

Enter one or more members below. Then select a role for these members to grant them access to your resources. Multiple roles allowed. [Learn more](#)

New members

Role

Condition [Add condition](#)

Read-only access to Notebooks all resources through compute API.

+ ADD ANOTHER ROLE

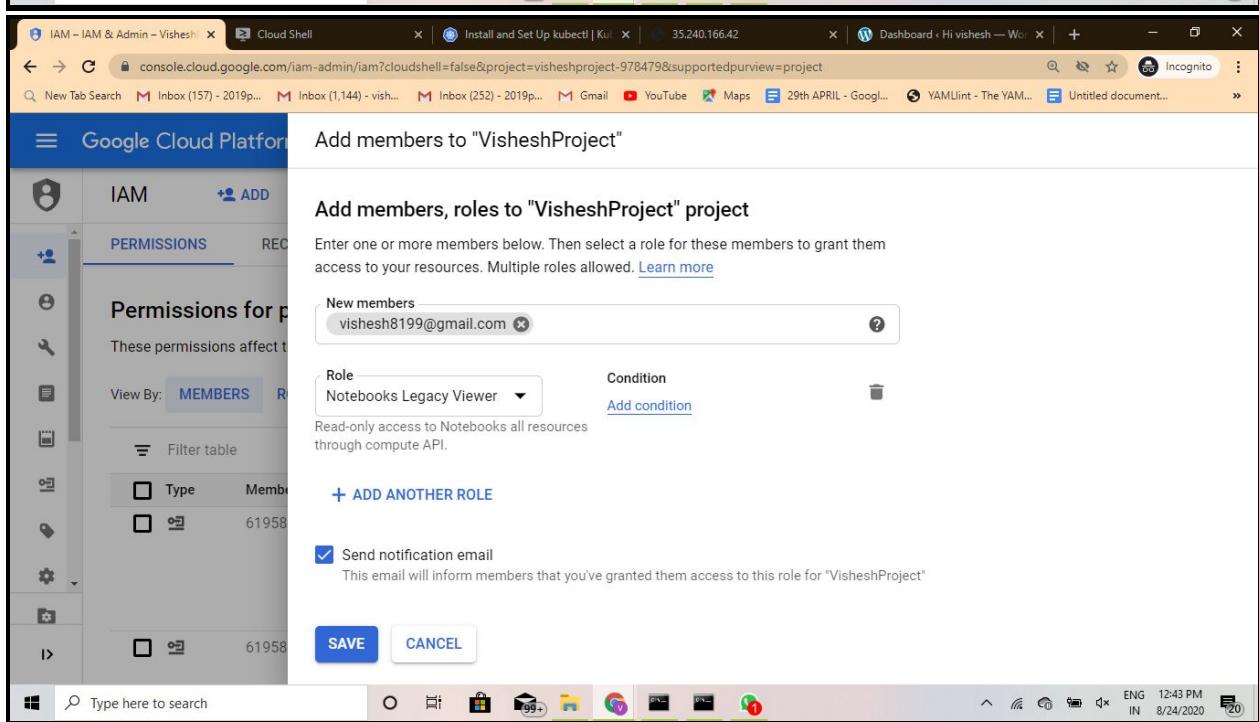
Send notification email

This email will inform members that you've granted them access to this role for "VisheshProject"

SAVE **CANCEL**

Type here to search

12:43 PM
ENG IN 8/24/2020



Google Cloud Platform

Install and Set Up kubectl | Kube

console.cloud.google.com/compute/instances?cloudshell=false&project=visheshproject-978479&supportedpurview=project&instancessize=50

New Tab Search Gmail YouTube Maps 29th APRIL - Google Calendar YAMLLint - The YAM...

Incognito

Dashboard

Home

Compute Engine

Products

Anthos

Compute

App Engine

Compute Engine

Kubernetes Engine

Cloud Functions

Search products and resources

MANAGE ACCESS SHOW INFO PANEL LEARN

Recommendation	In use by	Internal IP	External IP	Connect
		10.148.0.3 (nic0)	35.198.242.59	SSH
		10.148.0.2 (nic0)	35.240.236.102	SSH
		10.148.0.4 (nic0)	35.240.246.77	SSH

Dismiss

https://console.cloud.google.com/appengine?cloudshell=false&project=visheshpr...

Type here to search

12:50 PM IN 8/24/2020

Try App Engine now - VisheshPr... Install and Set Up kubectl | Kube

console.cloud.google.com/appengine/start?cloudshell=false&project=visheshproject-978479&supportedpurview=project

New Tab Search Gmail YouTube Maps 29th APRIL - Google Calendar YAMLLint - The YAM...

Incognito

Google Cloud Platform VisheshProject

App Engine

Welcome to App Engine

Build scalable apps in any language on Google's infrastructure

Create Application

Home Recommended for you

App Engine Quickstart Deploy a sample application to App Engine using the gcloud command.

App Engine overview Overview of the components of an application: services, versions, instances, application requests, and limits.

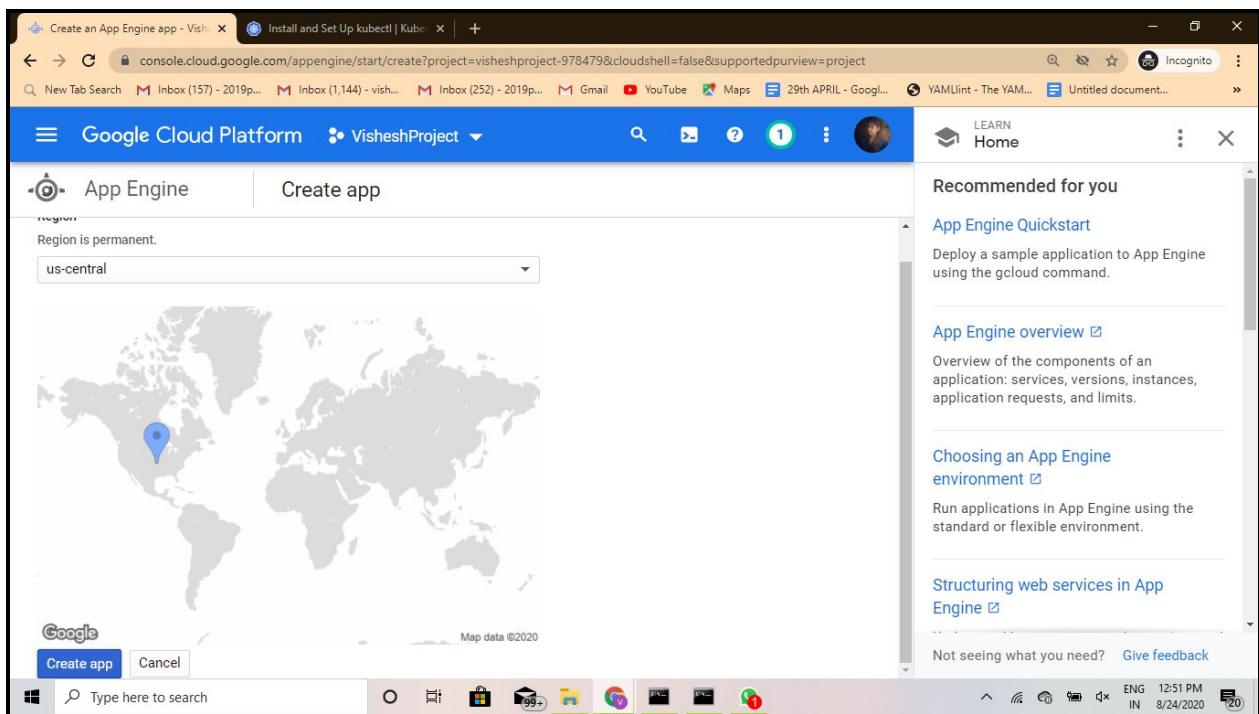
Choosing an App Engine environment Run applications in App Engine using the standard or flexible environment.

Structuring web services in App Engine

Not seeing what you need? Give feedback

Type here to search

12:51 PM IN 8/24/2020



The screenshot shows the 'Get started' page for Google Cloud Platform's App Engine. The URL in the address bar is `console.cloud.google.com/appengine/start/reception?project=visheshproject-978479&cloudshell=false&supportedpurview=project`. The page has a blue header with the Google Cloud logo and 'VisheshProject'. Below the header, there are tabs for 'App Engine' and 'Get started'. A sidebar on the left lists various languages: Python, Node.js, Java, Go, PHP, .NET, Ruby, and Other, with 'PHP' currently selected. A message box at the top says: 'This step is optional. Its purpose is to guide you to the relevant SDK, code samples and, if necessary, enable billing.'

The screenshot shows the 'Next steps' page for Google Cloud Platform's App Engine. The URL in the address bar is `console.cloud.google.com/appengine/start/deploy?language=python&environment=standard&project=visheshproject-978479&cloudshell=false&supportedpurview=project`. The page has a blue header with the Google Cloud logo and 'VisheshProject'. Below the header, there are tabs for 'App Engine' and 'Next steps'. A message box at the top says: 'Your app is being created.' On the left, under 'Resources', there is documentation for Python in App Engine and a link to visit GitHub for code samples. On the right, under 'Deploy with Google Cloud SDK', there is a 'Download the Cloud SDK' button, instructions to initialize the SDK with `$ gcloud init`, and instructions to deploy to App Engine with `$ gcloud app deploy`.