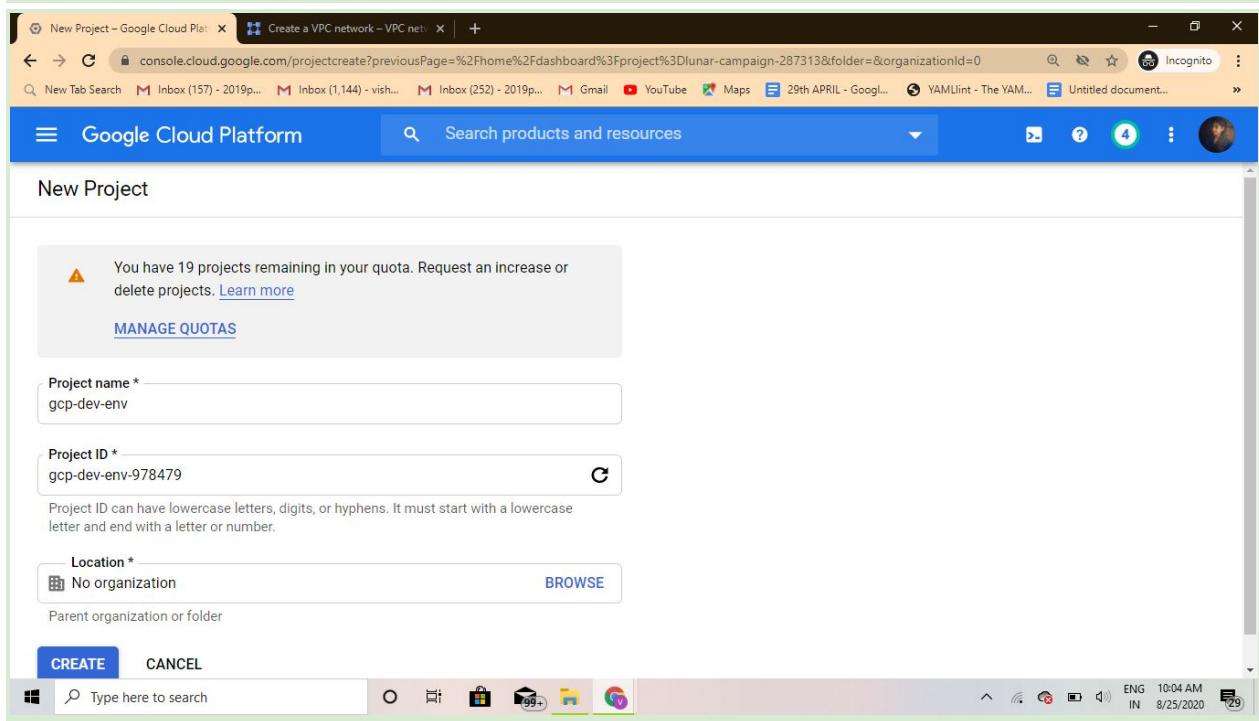
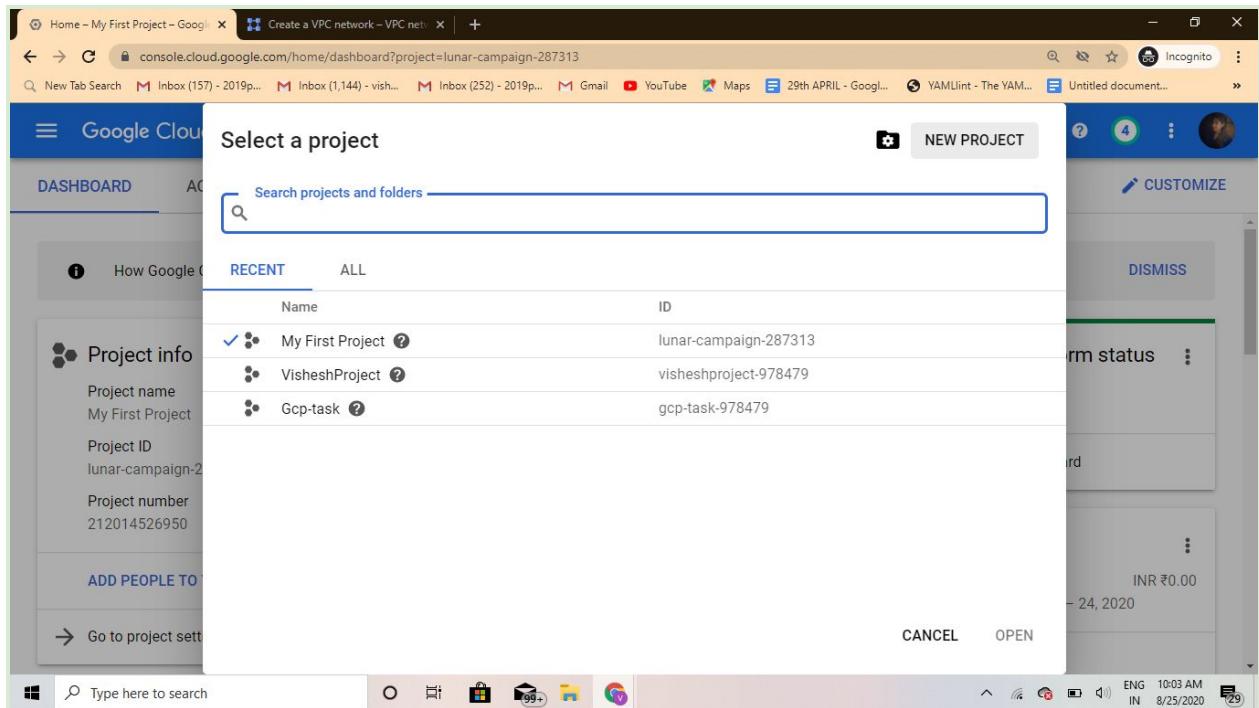


Project:

- 1. Create two project dev-project(dev-project) and prod-proj(gcp-task)**
- 2. Create one vpc in dev-project which allow all the traffic and one vpc inside mysql to allow all the traffic**
- 3. Create a subnet inside the vpc(dev-project)**
- 4. Create firewall rule for vpc(dev-vpc) to allow all the port**
- 5. Create a google kubernetes cluster in developer project(asia-southeast-1) having 3 nodes**
Inside the dev-vpc
- 6. Launch a mysql database inside prod-vpc**
- 7. Install kubectl and google SDK**
- 8. Configure the wordpress and create a deployment**
- 9. Create load balancer for wordpress**
- 10. Connect mysql with wordpress**

Step1: Creating Project



Screenshot of the Google Cloud Platform "New Project" creation interface.

The page title is "New Project – Google Cloud Platform". The URL in the address bar is "console.cloud.google.com/projectcreate?previousPage=%2Fhome%2Fdashboard%3Fproject%3Dlunar-campaign-287313%26organizationId%3D0&folder=&...".

The main heading is "New Project". A warning message states: "⚠ You have 18 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)". Below this is a "MANAGE QUOTAS" link.

Form fields:

- Project name ***: gcp-prod-env
- Project ID ***: gcp-prod-env-978479 ↻
- Location ***: No organization BROWSE

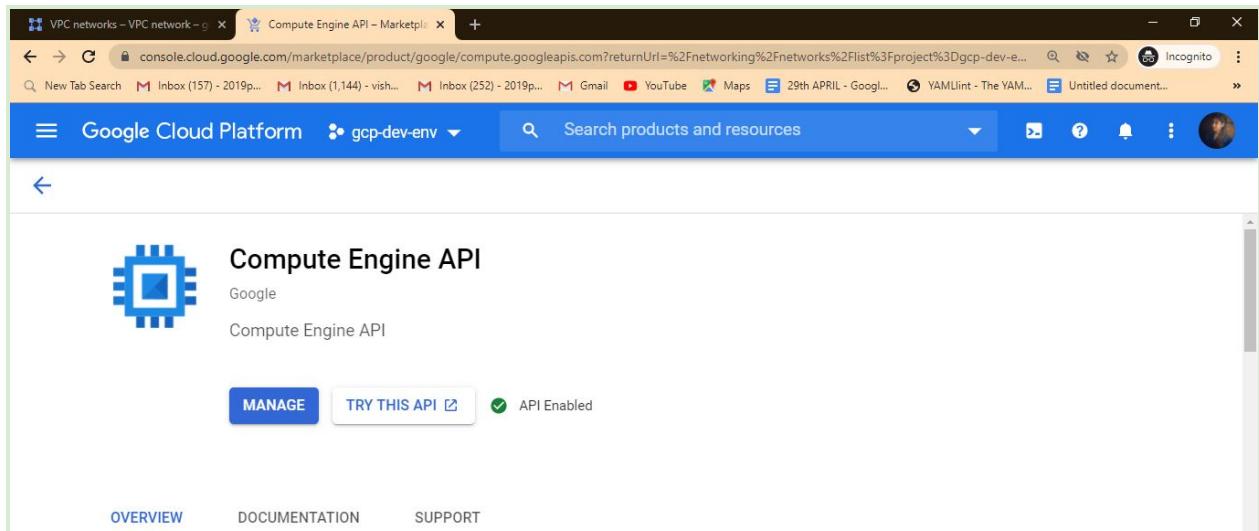
Buttons at the bottom: **CREATE** (highlighted in blue) and **CANCEL**.

System tray icons and status: Type here to search, Task View, Microsoft Edge, File Explorer, Taskbar, Volume, Battery, ENG IN, 10:04 AM, 8/25/2020, 29.

The screenshot shows the Google Cloud Platform Billing interface. The main panel displays a forecasted total cost of ₹0.00 for the period from August 1 to 25, 2020. A tooltip for "MANAGE BILLING ACCOUNTS" is visible. On the right, there are filters for time range (set to "Usage date"), group by SKU, projects (1 out of 4), and products. The bottom section shows a table of billing accounts and projects.

Name	ID	Billing account	Billing account ID	Actions
gcp-dev-env	gcp-dev-env-978479	My Billing Account	0182F7-E5BF61-5DE78C	⋮
Gcp-task	gcp-task-978479	My Billing Account	0182F7-E5BF61-5DE78C	⋮
My First Project	lunar-campaign-287313	My Billing Account	0182F7-E5BF61-5DE78C	⋮
gcp-prod-env	gcp-prod-env-978479	Billing is disabled	—	⋮ Disable billing Change billing

Step 2: Creating vpc inside dev-env and allow firewall



The screenshot shows the Compute Engine API page in the Google Cloud Platform Marketplace. The API is listed under the Google Compute Engine category. The status is "API Enabled".

Compute Engine API
Google
Compute Engine API

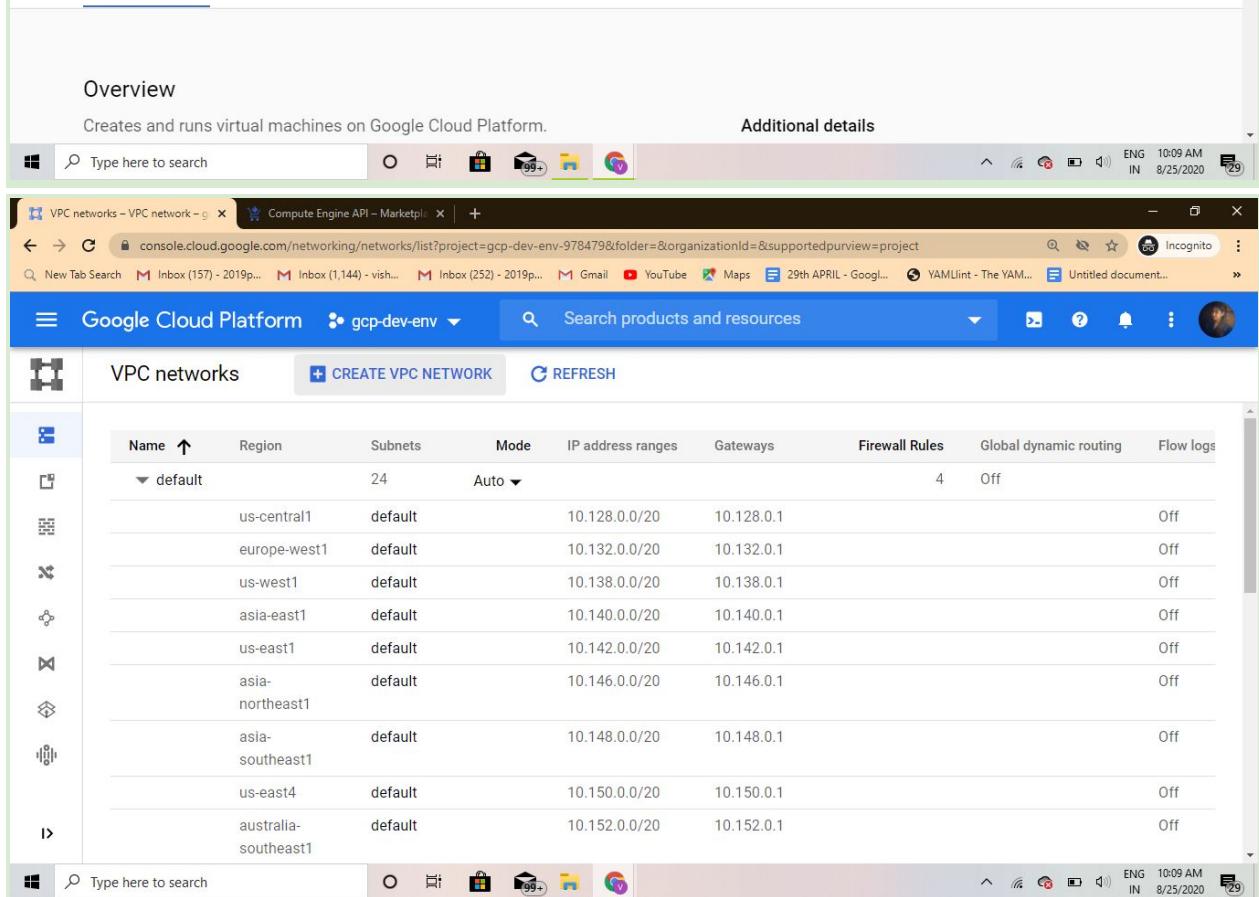
MANAGE TRY THIS API API Enabled

OVERVIEW DOCUMENTATION SUPPORT

Overview

Creates and runs virtual machines on Google Cloud Platform.

Additional details



The screenshot shows the VPC networks page in the Google Cloud Platform interface. A list of VPC networks is displayed, each with its name, region, subnets, mode, IP address ranges, gateways, firewall rules, global dynamic routing, and flow logs status.

Name	Region	Subnets	Mode	IP address ranges	Gateways	Firewall Rules	Global dynamic routing	Flow logs
default	24	Auto		10.128.0.0/20	10.128.0.1	4	Off	
us-central1	default			10.132.0.0/20	10.132.0.1		Off	
europe-west1	default			10.138.0.0/20	10.138.0.1		Off	
us-west1	default			10.140.0.0/20	10.140.0.1		Off	
asia-east1	default			10.142.0.0/20	10.142.0.1		Off	
us-east1	default			10.146.0.0/20	10.146.0.1		Off	
asia-northeast1	default			10.148.0.0/20	10.148.0.1		Off	
asia-southeast1	default			10.150.0.0/20	10.150.0.1		Off	
us-east4	default			10.152.0.0/20	10.152.0.1		Off	
australia-southeast1	default							

Create a VPC network – VPC net | Compute Engine API – Marketplace | +

console.cloud.google.com/networking/networks/add?project=gcp-dev-env-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... ▶

Google Cloud Platform gcp-dev-env Search products and resources

Create a VPC network

Subnet creation mode

Custom

Automatic

New subnet

Name * dev-gcp-task

Lowercase letters, numbers, hyphens allowed

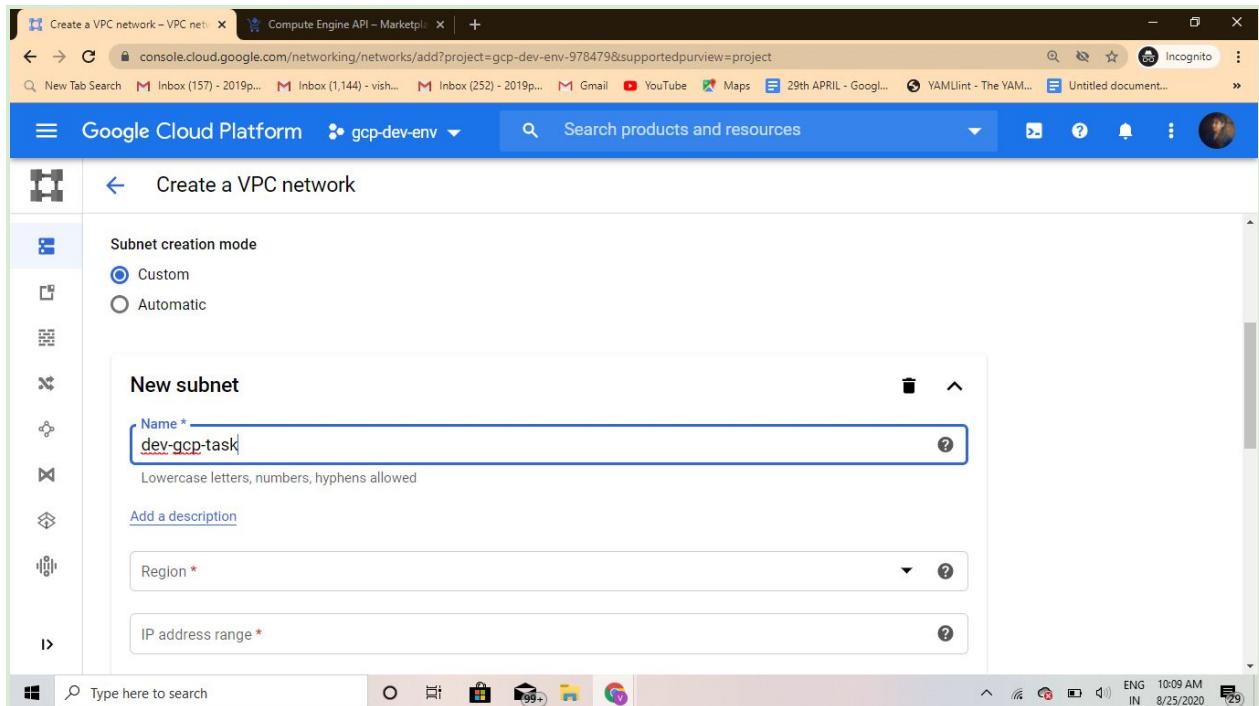
Add a description

Region *

IP address range *

Type here to search

ENG 10:09 AM IN 8/25/2020



Create a VPC network – VPC net | Compute Engine API – Marketplace | +

console.cloud.google.com/networking/networks/add?project=gcp-dev-env-978479&supportedpurview=project

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Google Cloud Platform gcp-dev-env Search products and resources

Create a VPC network

Name * dev-gcp-task

Lowercase letters, numbers, hyphens allowed

Add a description

Region * asia-southeast1

IP address range * 10.1.0.0/16

Create secondary IP range

Private Google access ?

Off

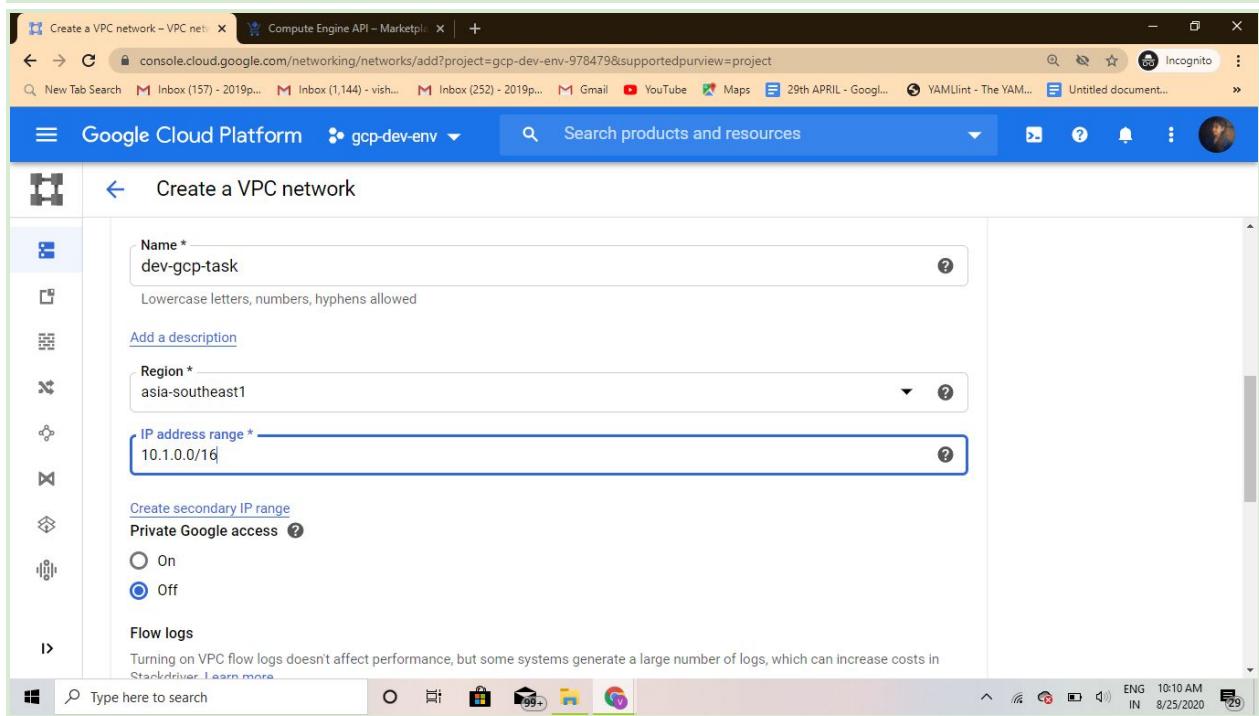
On

Flow logs

Turning on VPC flow logs doesn't affect performance, but some systems generate a large number of logs, which can increase costs in Stackdriver. Learn more

Type here to search

ENG 10:10 AM IN 8/25/2020



Create a VPC network – VPC network

Google Cloud Platform

console.cloud.google.com/networking/networks/add?project=gcp-dev-env-978479&folder=&organizationId=&supportedpurview=project

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Google Cloud Platform gcp-dev-env

Create a VPC network

Name * dev-gcp-task

Description vpc for kubernetes cluster

Subnets

Subnets let you create your own private cloud topology within Google Cloud. Click Automatic to create a subnet in each region, or click Custom to manually define the subnets. [Learn more](#)

Type here to search

Create a VPC network – VPC network

Google Cloud Platform

console.cloud.google.com/networking/networks/add?project=gcp-dev-env-978479&folder=&organizationId=&supportedpurview=project

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Google Cloud Platform gcp-dev-env

Create a VPC network

Custom

Automatic

dev-gcp-task

ADD SUBNET

Dynamic routing mode ?

Regional

Cloud Routers will learn routes only in the region in which they were created

Global

Global routing lets you dynamically learn routes to and from all regions with a single VPN or interconnect and Cloud Router

DNS server policy

No server policy

Type here to search

The screenshot shows the Google Cloud Platform interface for managing VPC networks. The main content area displays a table of existing VPC networks, each with a name, region, default subnet, and IP ranges. A new network entry, "dev-gcp-task", is shown at the bottom of the list. On the left, a sidebar menu lists various VPC-related services, with "Firewall" currently selected. The taskbar at the bottom shows the URL of the current page: <https://console.cloud.google.com/networking/networks/list?project=gcp-dev-env-978479&supportedpurview=project>.

	Name	Region	Default Subnet	IP Range
	europe-west6	default	10.172.0.0/20	10.172.0.1
	asia-northeast2	default	10.174.0.0/20	10.174.0.1
	asia-northeast3	default	10.178.0.0/20	10.178.0.1
	us-west3	default	10.180.0.0/20	10.180.0.1
	us-west4	default	10.182.0.0/20	10.182.0.1
	asia-southeast2	default	10.184.0.0/20	10.184.0.1
	dev-gcp-task			

The screenshot shows the Google Cloud Platform interface for managing Firewall rules. The main content area displays a table of existing firewall rules, each with a name, region, and IP ranges. The sidebar menu on the left shows the "Firewall" service is selected. The taskbar at the bottom shows the URL of the current page: <https://console.cloud.google.com/networking/firewalls/list?project=gcp-dev-env-978479&supportedpurview=project>.

	Name	Region	IP Range
	europe-west6	default	10.172.0.0/20
	asia-northeast2	default	10.174.0.0/20
	asia-northeast3	default	10.178.0.0/20
	us-west3	default	10.180.0.0/20
	us-west4	default	10.182.0.0/20
	asia-southeast2	default	10.184.0.0/20

The image shows two screenshots of the Google Cloud Platform interface, specifically the Firewall rules section.

Top Screenshot: Firewall Rules List

The title bar says "Firewall - VPC network - gcp-dev-env". The main heading is "Firewall". Below it, a note states: "Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. [Learn more](#)". A note also says: "Note: App Engine firewalls are managed [here](#)".

A table lists existing firewall rules:

Name	Type	Targets	Filters	Protocols / ports	Action	Priority	N
default-allow-icmp	Ingress	Apply to all	IP ranges: 0.0.0.0/0	icmp	Allow	65534	d
default-allow-	Ingress	Apply to all	IP ranges: 10.0.0.0/16	tcp:0-65535 udp:0-65535	Allow	65534	d

Bottom Screenshot: Create a firewall rule

The title bar says "Create a firewall rule - VPC network - gcp-dev-env". The main heading is "Create a firewall rule". Below it, a note states: "Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. [Learn more](#)".

Form fields include:

- Name ***: dev-firewall
- Description**: allow all
- Logs**: A note about generating logs and costs, with a link to "Learn more". A radio button "On" is selected.

Google Cloud Platform Create a Kubernetes cluster - Kul

console.cloud.google.com/networking/networks/details/dev-gcp-task?project=gcp-dev-env-978479&supportedpurview=project&pageTab=SUBNETS&netw...

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Google Cloud Platform gcp-dev-env

VPC network details

Dynamic routing mode: Regional

DNS server policy: None

Subnets Static internal IP addresses Firewall rules Routes VPC Network Peering Private service connection

Add subnet Flow logs

Name	Region	IP address ranges	Gateway	Private Google access	Flow logs
dev-gcp-task	asia-southeast1	10.1.0.0/16	10.1.0.1	Off	Off

Reserved subnets for internal HTTP(S) load balancers

Name	Region	IP address ranges	Gateway	Role
------	--------	-------------------	---------	------

Type here to search

10:14 AM IN 8/25/2020

The screenshot shows the 'VPC network details' page for a project named 'gcp-dev-env'. It displays a single subnet named 'dev-gcp-task' located in the 'asia-southeast1' region. The subnet has an IP address range of 10.1.0.0/16 and a gateway of 10.1.0.1. Both 'Private Google access' and 'Flow logs' are set to 'Off'. There are tabs for 'Subnets', 'Static internal IP addresses', 'Firewall rules', 'Routes', 'VPC Network Peering', and 'Private service connection'. A sidebar on the left contains icons for various GCP services like Compute Engine, Cloud Storage, and Cloud Functions. The bottom of the screen shows the Windows taskbar with the date and time (10:14 AM IN 8/25/2020).

The screenshot shows two windows side-by-side in a browser.

Left Window: A modal titled "Add a subnet".

- Name:** lab1
- VPC Network:** dev-gcp-task
- Region:** asia-southeast1
- Reserve for Internal HTTP(S) Load Balancing:** Off
- IP address range:** 10.2.1.0/24

Right Window: "VPC network details" for project "gcp-dev-env".

- Subnets:** lab1 (IP range 10.2.1.0/24, Region asia-southeast1)
- Static internal IP addresses:** None
- Firewall rules:** None
- Routes:** None
- VPC Network Peering:** None
- Private service connection:** None

Step3: Setting up the kubernetes cluster

Google Cloud Platform Create a Kubernetes cluster – Kui

console.cloud.google.com/kubernetes/add?project=gcp-dev-env-978479&organizationId=0

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Google Cloud Platform gcp-dev-env 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 experiment with

Name dev-cluster

Location type

Zonal (radio button)

Regional (radio button) Region asia-southeast1

Specify default node locations Current default: 3 zones from asia-southeast1

CREATE CANCEL Equivalent REST or command line

Type here to search

Google Cloud Platform Create a Kubernetes cluster – Kui

console.cloud.google.com/kubernetes/add?project=gcp-dev-env-978479&organizationId=0

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Google Cloud Platform gcp-dev-env Search products and resources

Create a Kubernetes cluster ADD NODE POOL REMOVE NODE POOL

Cluster basics

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](#).

Release channel (radio button)

Static version (radio button)

Static version

CREATE CANCEL Equivalent REST or command line

Type here to search

Google Cloud Platform Create a Kubernetes cluster – K... Incognito

Search products and resources

Create a Kubernetes cluster ADD NODE POOL REMOVE NODE POOL

Cluster basics

NODE POOLS default-pool

- Nodes
- Security
- Metadata

CLUSTER

- Automation
- Networking

VCPU 1 Memory 3.75 GB

CPU PLATFORM AND GPU

Boot disk type Standard persistent disk

Boot disk size (GB) 20

Enable customer-managed encryption for boot disk

Local SSD disks

CREATE CANCEL Equivalent REST or command line

Type here to search

10:16 AM IN 8/25/2020

Google Cloud Platform Create a Kubernetes cluster – K... Incognito

Search products and resources

Create a Kubernetes cluster ADD NODE POOL REMOVE NODE POOL

Cluster basics

NODE POOLS default-pool

- Nodes
- Security
- Metadata

CLUSTER

- Automation
- Networking

Compute Engine default service account

Access scopes

- Allow default access
- Allow full access to all Cloud APIs
- Set access for each API

Enable sandbox with gVisor

Shielded options

- Enable integrity monitoring
- Enable secure boot

CREATE CANCEL Equivalent REST or command line

Type here to search

10:17 AM IN 8/25/2020

The screenshot shows the 'Create a Kubernetes cluster' page in the Google Cloud Platform console. The left sidebar lists 'Cluster basics' and 'NODE POOLS' (with 'default-pool' selected). The main area displays 'Node pool details' with fields for 'Name' (set to 'default-pool') and 'Node version' (set to '1.15.12-gke.2 (master version)'). Below this, the 'Size' section shows 'Number of nodes*' set to '1'. At the bottom are 'CREATE' and 'CANCEL' buttons.

The second part of the screenshot shows the same page with additional configuration options. Under 'Automation', there are checkboxes for 'Enable autoscaling' (unchecked), 'Specify node locations' (checked), and 'Enable auto-upgrade' (checked). A warning message states: 'Clusters smaller than 3 nodes may experience downtime during upgrades'. The 'CREATE' and 'CANCEL' buttons are at the bottom.

Step 4: Installing kubectl

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** kubernetes.io/docs/tasks/tools/install-kubectl/
- Tab Bar:** Google Cloud Platform, Google Cloud Platform, Install and Set Up kubectl | Kube..., Incognito
- Page Content:**
 - Kubernetes Logo:** kubernetes
 - Navigation:** Documentation, Kubernetes Blog, Training, Partners, Community, Case Studies, Versions ▾, English ▾
 - Search Bar:** Search
 - Left Sidebar (Install Tools):** Home, Getting started, Concepts, Tasks, Install Tools, Install and Set Up kubectl, Install Minikube, Administer a Cluster, Configure Pods and Containers, Manage.
 - Section Header:** Install kubectl on Windows
 - Sub-section:** Install kubectl binary with curl on Windows
 - List 1:** Download the latest release v1.18.0 from [this link](https://storage.googleapis.com/kubernetes-release/release/v1.18.0/bin).
 - Text:** Or if you have `curl` installed, use this command:

```
curl -LO https://storage.googleapis.com/kubernetes-release/release/v1.18.0/bin/linux/amd64/kubectl
```
 - Text:** To find out the latest stable version (for example, for scripting), take a look at <https://storage.googleapis.com/kubernetes-release/release/stable.txt>.
 - List 2:** Add the binary to your PATH.
 - List 3:** Test to ensure the version of `kubectl` is the same as downloaded:

```
kubectl version --client
```
- Right Sidebar:** A vertical list of links related to installing kubectl on various platforms.
- Taskbar:** Type here to search, Start button, Task View, File Explorer, Edge, File, Taskbar icons, ENG IN 10:33 AM 8/25/2020, battery icon.

Step 5: configuring wordpress

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

console.cloud.google.com/kubernetes/list?project=gcp-dev-env-978479&organizationId=0

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Google Cloud Platform

Kubernetes

A Kubernetes cluster

Filter by label

Name dev

Run in Cloud Shell

Cloud Console dashboard

Open Workloads dashboard

OK

Type here to search

C:\Windows\system32\cmd.exe

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

C:\Users\user>kubectl.exe get nodes
NAME STATUS ROLES AGE VERSION
gke-dev-cluster-default-pool-32d73e4d-h3dk Ready <none> 57s v1.15.12-gke.2
gke-dev-cluster-default-pool-48dac47b-7qmx Ready <none> 57s v1.15.12-gke.2
gke-dev-cluster-default-pool-e201bc8e-x5mj Ready <none> 57s v1.15.12-gke.2

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

C:\Users\user>kubectl.exe get deployments
NAME READY UP-TO-DATE AVAILABLE AGE
mywordpress 0/1 1 0 10s

C:\Users\user>kubectl.exe get pods
NAME READY STATUS RESTARTS AGE
mywordpress-5b9cddd4f8-5r257 0/1 ContainerCreating 0 18s

C:\Users\user>
C:\Users\user>
```

```
cmd Select C:\Windows\system32\cmd.exe
mywordpress     0/1      1          0           10s

C:\Users\user>kubectl.exe get pods
NAME                   READY   STATUS            RESTARTS   AGE
mywordpress-5b9cddd4f8-5r257  0/1    ContainerCreating   0          18s

C:\Users\user>
C:\Users\user>kubectl.exe get deployments
NAME        READY   UP-TO-DATE   AVAILABLE   AGE
mywordpress   1/1      1           1           34s

C:\Users\user>kubectl get all
NAME                  READY   STATUS    RESTARTS   AGE
pod/mywordpress-5b9cddd4f8-5r257  1/1    Running   0          40s

NAME           TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
service/kubernetes ClusterIP  10.199.0.1 <none>       443/TCP   2m43s

NAME                  READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/mywordpress  1/1      1           1           41s

NAME           DESIRED   CURRENT   READY   AGE
replicaset.apps/mywordpress-5b9cddd4f8  1         1         1         41s

C:\Users\user>
```



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

console.cloud.google.com/net-services/loadbalancing/loadBalancers/list?project=gcp-dev-env-978479&supportedpurview=project

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Google Cloud Platform gcp-dev-env Search products and resources

Load balancing + CREATE LOAD BALANCER REFRESH DELETE

Load balancers Backends Frontends

Filter by name or protocol

Name Protocol Region Backends

a4edf38fb9d5043c18ea29068a8f88c3 TCP asia-southeast1 1 target pool (3 instances) :

To edit load balancing resources like forwarding rules and target proxies, go to the [advanced menu](#).

cmd.exe

```
NAME READY UP-TO-DATE AVAILABLE AGE
deployment.apps/mywordpress 1/1 1 1 41s

NAME DESIRED CURRENT READY AGE
replicaset.apps/mywordpress-5b9cddd4f8 1 1 1 41s

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

C:\Users\user>kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.199.0.1 <none> 443/TCP 3m34s
mywordpress LoadBalancer 10.199.12.50 <pending> 80:32140/TCP 6s

C:\Users\user>kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.199.0.1 <none> 443/TCP 4m7s
mywordpress LoadBalancer 10.199.12.50 <pending> 80:32140/TCP 39s

C:\Users\user>kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.199.0.1 <none> 443/TCP 5m36s
mywordpress LoadBalancer 10.199.12.50 35.247.172.73 80:32140/TCP 2m8s
```

Type here to search

Step 6: Mysql database

Google Cloud Platform | Google Cloud Platform | Install and Set Up kubectl | Kubernetes | VPC networks - VPC network - Gcp-task | Incognito

console.cloud.google.com/networking/networks/list?project=gcp-task-978479&supportedpurview=project

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Google Cloud Platform | Gcp-task | Search products and resources

CREATE VPC NETWORK | REFRESH

Subnets Mode IP address ranges Gateways Firewall Rules Global dynamic routing Flow logs

Subnets	Mode	IP address ranges	Gateways	Firewall Rules	Global dynamic routing	Flow logs
24	Auto			4	Off	
default		10.128.0.0/20	10.128.0.1		Off	
default		10.132.0.0/20	10.132.0.1		Off	
default		10.138.0.0/20	10.138.0.1		Off	
default		10.140.0.0/20	10.140.0.1		Off	
default		10.142.0.0/20	10.142.0.1		Off	
default		10.146.0.0/20	10.146.0.1		Off	
default		10.148.0.0/20	10.148.0.1		Off	
default		10.150.0.0/20	10.150.0.1		Off	
default		10.152.0.0/20	10.152.0.1		Off	

https://console.cloud.google.com/sql?project=gcp-task-978479&supportedpurview=...

Type here to search

Google Cloud Platform | Gcp-task | Search products and resources

Instances - SQL - Gcp-task - Google Sheets | Incognito

console.cloud.google.com/sql/instances?project=gcp-task-978479&supportedpurview=project

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

Untitled document...

Google Cloud Platform | Gcp-task | 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?project=gcp-task-978479&supportedpurview=...

Type here to search

The screenshot shows the 'Create an instance' page for Cloud SQL. It lists three database engines:

- MySQL**: Versions 5.6, 5.7, 8.0. Link to choose MySQL.
- PostgreSQL**: Versions 9.6, 10, 11, 12. Link to choose PostgreSQL.
- SQL Server**: Versions 2017. Link to choose SQL Server.

Below the engines, there is a link to "Want more context on the Cloud SQL database engines? [Learn more](#)".

The screenshot shows the 'Create a MySQL instance' form. The 'Instance info' section includes:

- Instance ID**: mydbos
- Root password**: redhat (Set a password for the root user. [Learn more](#))
- No password** checkbox (unchecked)
- Location**:
 - Region**: us-central1 (Iowa)
 - Zone**: Any

The screenshot displays two consecutive screenshots of the Google Cloud Platform interface, illustrating the process of creating and managing a MySQL instance.

Screenshot 1: Create MySQL instance

This screenshot shows the "Create a MySQL instance" form:

- Root password:** Set a password for the root user. A text input field contains "redhat". A "Generate" button is available to generate a password.
- No password:** An unchecked checkbox.
- Location:** A dropdown menu for Region and Zone. The Region is set to "us-central1 (Iowa)" and the Zone is set to "Any".
- Database version:** A dropdown menu set to "MySQL 5.7".
- Create:** A blue "Create" button.

Screenshot 2: Overview - SQL - Gcp-task

This screenshot shows the "Overview" page for the MySQL instance:

- Suggested actions:** None listed.
- Service account:** A service account named "p579220772814-71uuhc@gcp-sa-cloud-sql.iam.gserviceaccount.com" is listed.
- Operations and logs:** A table showing one operation: "Aug 25, 2020, 10:42:56 AM" (Type: Create, Status: Instance is being created). A link to "View all operations" is provided.
- Maintenance:** Information about maintenance windows and notifications.
- Cloud SQL:** A section indicating automated backups are enabled.
- Labels:** No labels are set.

The screenshot shows the Google Cloud Platform Overview page for a MySQL instance named "mydbos".

Suggested actions:

- See all connection methods
- Enable high availability

Service account: p579220772814-71uuhc@gcp-sa-cloud-sql.iam.gserviceaccount.com

Operations and logs:

Maintenance:

- Preferred window: Updates may occur any day of the week.
- Order of update: Cloud SQL chooses the maintenance timing.
- Notifications: Off

Edit instance:

New network:

- Name (Optional): allow all
- Network: Use CIDR notation. 0.0.0.0/0

Machine type and storage:

Machine type: n1-standard-1 Storage type: SSD

The screenshot shows a browser window with multiple tabs open, including 'mydbos Edit instance - Gcp-task'. The main content is the 'Edit instance' dialog for a MySQL database. The left sidebar has icons for Overview, Configuration, Monitoring, and Logs. The 'Configuration' tab is selected, showing the 'Public IP' section. A note states: '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.' Below this, under 'Public IP', there is a note: 'You have added 0.0.0.0/0 as an allowed network. This prefix will allow 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.' Under 'Authorized networks', it says 'allow all (0.0.0.0/0)' and 'Not saved'. There is a '+ Add network' button and a 'Close' button. The browser's address bar shows 'console.cloud.google.com/sql/instances/mydbos/edit-performance-class?project=gcp-task-978479&supportedpurview=project'. The taskbar at the bottom shows various pinned and running applications.

```

Google Cloud Platform | Google Cloud Platform | Install and Set Up kube... | Overview - SQL - Gcp... | Cloud Shell | WordPress > Setup Con... | + | - | X
ssh.cloud.google.com/cloudshell/editor?hl=en_US&fromcloudshell=true&shellonly=true#id=I0_1598332766734&_gfid=I0_1598332766734&parent=https://cons...
New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM... | Untitled document...
Cloud Shell
Cloud Shell x + v
Welcome to Cloud Shell! Type "help" to get started.
To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]"
g96aayu@cloudshell:~$ mysql -h 104.154.59.235 -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 29
Server version: 5.7.25-google-log (Google)

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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;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server
version for the right syntax to use near 'databases' at line 1
mysql> show databases;
+-----+
| Database      |
+-----+
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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server
version for the right syntax to use near 'databases' at line 1
mysql> show databases;
+-----+
| Database      |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
4 rows in set (0.19 sec)

Waiting for ssh.cloud.google.com...

```

Step 7: checking connectivity

The screenshot shows a Windows desktop environment with two browser windows open.

Top Browser Window: This window displays the WordPress setup configuration page at 35.247.172.73/wp-admin/setup-config.php. A dropdown menu for selecting a language is open, showing "English (United States)" as the selected option. Other languages listed include Afrikaans, العربية, অসমীয়া, گۈزىنى آذىريجان, Azerbaijanyan dili, Беларуская мова, Български, বাংলা, ຂະໜາ, Bosanski, Català, Cebuano, Čeština, Cymraeg, Dansk, Deutsch (Sie), Deutsch (Schweiz, Du), Deutsch (Schweiz), and Deutsch (Österreich).

Bottom Browser Window: This window shows the Google Cloud Platform Databases interface. The sidebar on the left has a "Databases" icon. The main area shows the "mydbos" database under "All instances". It lists four tables: information_schema, mysql, performance_schema, and sys. The "information_schema" table is highlighted with a green checkmark. A "CREATE DATABASE" button is visible. The table data is as follows:

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

The screenshot shows two windows side-by-side. The left window is the 'Databases' page in the Google Cloud Platform interface, displaying a list of databases for a project named 'mydbos'. The right window is a 'Cloud Shell' terminal window running a MySQL session.

Databases Page (Left):

- Project: mydbos
- MySQL 5.7
- CREATE DATABASE button
- Table of databases:

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

Cloud Shell Terminal (Right):

```
+----+  
| Database |  
+----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
+----+  
4 rows in set (0.19 sec)  
  
mysql> show databases;  
+----+  
| Database |  
+----+  
| information_schema |  
| mydb |  
| mysql |  
| performance_schema |  
| sys |  
+----+  
5 rows in set (0.19 sec)  
  
mysql>
```

Below you should enter your database connection details. If you're not sure about these, contact your host.

Database Name The name of the database you want to use with WordPress.

Username Your database username.

Password Your database password.

Database Host You should be able to get this info from your web host, if localhost doesn't work.

Table Prefix If you want to run multiple WordPress installations in a single database, change this.

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...

Google Cloud Platform | Google Cloud Platform | Install and Set Up kube | Databases - SQL - Gcp | Cloud Shell | WordPress > Installation

Not secure | 35.247.172.73/wp-admin/install.php?language=en_US

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

Information needed

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

Site Title: Vishesh

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

Password: GLg\$&2Xrq6)FIDX2Td
Strong

Important: You will need this password to log in. Please store it in a secure location.

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

Type here to search

Google Cloud Platform | Google Cloud Platform | Install and Set Up kube | Databases - SQL - Gcp | Cloud Shell | Vishes - Just another WordPress site

Not secure | 35.247.172.73

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

Sample Page | Search

Vishesh Just another WordPress site

UNCATEGORIZED

Hello world!

By vishesh | August 25, 2020 | 1 Comment

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

Type here to search