

1)

Create a new Instance with Window Server

The screenshot shows the Google Cloud Compute Engine interface. On the left, the navigation menu includes Compute Engine, Virtual machines (selected), Storage, and Marketplace. The main area displays 'VM instances' with two entries: 'ajayinstance' (Status: In use, Zone: us-central1-c, Internal IP: 10.128.0.2, External IP: 10.128.0.2 (nic0), Connect: SSH) and 'wininstance' (Status: In use, Zone: us-central1-a, Internal IP: 10.128.0.3, External IP: 10.128.0.3 (nic0), Connect: RDP). Below the table are 'Related actions' such as Explore Backup and DR, View billing report, Monitor VMs, Set up firewall rules, Patch management, Load balance between VMs, and Explore VM logs.

Create an instance

New VM instance (selected): Create a single VM instance from scratch.

DEPLOY CONTAINER

Boot disk

| | |
|--------------|--------------------------------|
| Name | ccassignment |
| Type | New balanced persistent disk |
| Size | 50 GB |
| Licence type | PAYG (Pay as you go) |
| Image | Windows Server 2022 Datacenter |

If you are using Windows and intend to run additional Microsoft software, please fill in the [Licence verification form](#). Learn more about Microsoft licence mobility requirements.

Identity and API access

Service accounts

| | |
|-----------------|--|
| Service account | Compute Engine default service account |
|-----------------|--|

Requires the Service Account User role (roles/iam.serviceAccountUser) to be set for users who want to access VMs with this service account. [Learn more](#)

CREATE **CANCEL** **EQUIVALENT CODE**

The screenshot shows the Google Cloud Compute Engine VM instances page. The left sidebar is collapsed. The main area displays three VM instances:

| Status | Name | Zone | Recommendations | In use by | Internal IP | External IP | Connect |
|--------|--------------|---------------|-----------------|-----------|----------------------|------------------------|---------|
| Up | ajayinstance | us-central1-c | | | 10.128.0.2 (nic0) | SSH | ⋮ |
| Up | ccassignment | us-central1-a | | | 10.128.0.4 (nic0) | 34.16.75.112 (nic0) | RDP |
| Up | wininstance | us-central1-a | | | 10.128.0.3 (nic0) | | RDP |

Related actions section:

- Explore Backup and DR (NEW)
- View billing report
- Monitor VMs
- Explore VM logs
- Set up firewall rules
- Patch management
- Load balance between VMs

Set Window Password by clicking on RDP

The screenshot shows the Google Cloud Compute Engine VM instances page with the RDP context menu open for the ccassignment instance. The menu items are:

- Set Windows password
- View gcloud command to reset password
- Download the RDP file
- Learn about Windows auth

Download the RDP file

The screenshot shows the Google Cloud Compute Engine interface. On the left, there's a sidebar with 'Compute Engine' selected under 'Virtual machines'. The main area shows a table of VM instances with columns for External IP, Connect (SSH or RDP), and three-dot actions. A modal window titled 'Connect using your RDP client' is open over the table. It contains instructions for connecting via RDP, a note about configuring the network firewall, and a link to download an RDP file. At the bottom right of the modal is a 'CANCEL' button.

Click on the download RDP file to start window instance

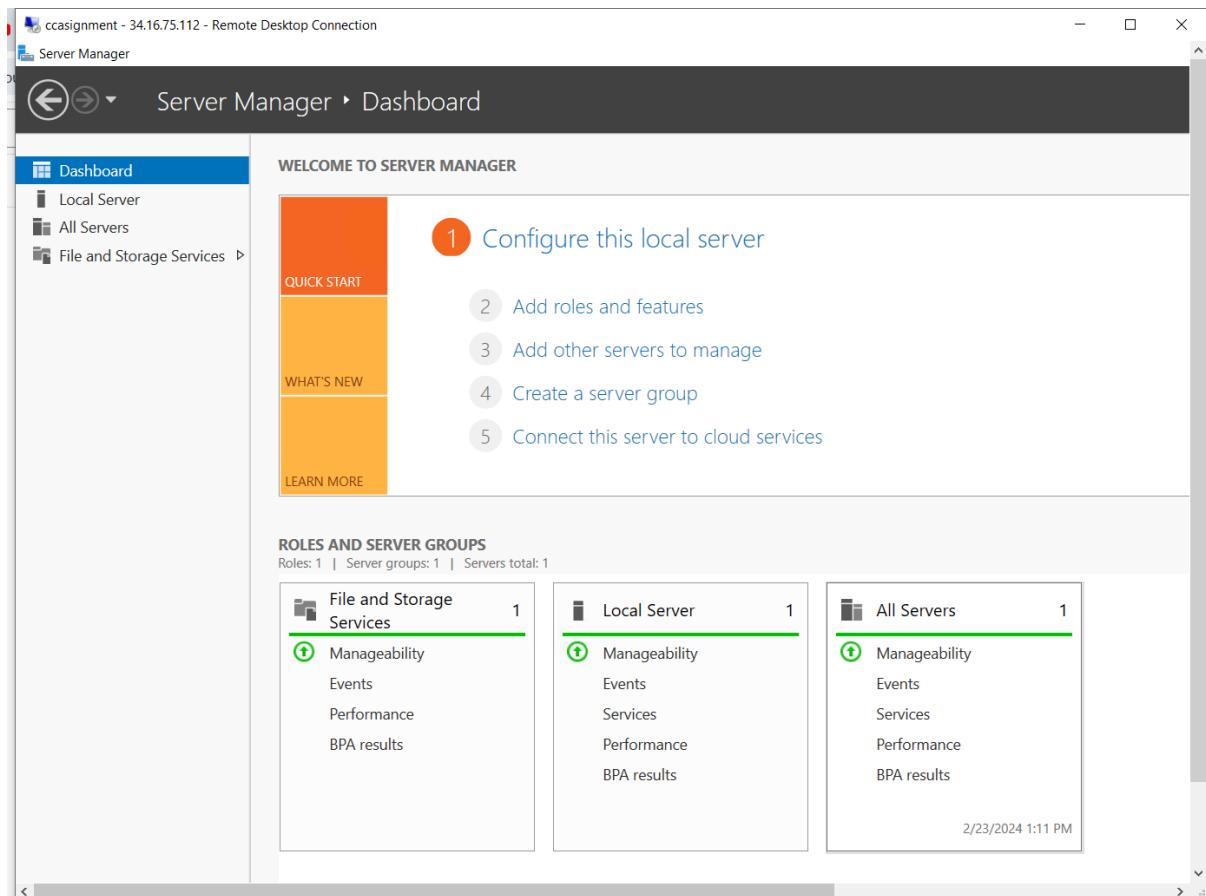
This screenshot is similar to the previous one but shows a different modal dialog. It's a 'Remote Desktop Connection' dialog with a warning message: 'The publisher of this remote connection can't be identified. Do you want to connect anyway?'. Below the message, it says 'This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.' There are fields for 'Publisher', 'Type', and 'Remote computer'. A checkbox 'Don't ask me again for connections to this computer' is present. At the bottom are 'Show Details', 'Connect', and 'Cancel' buttons. The background shows the same VM instance list as the first screenshot.

Input username and password which has been set

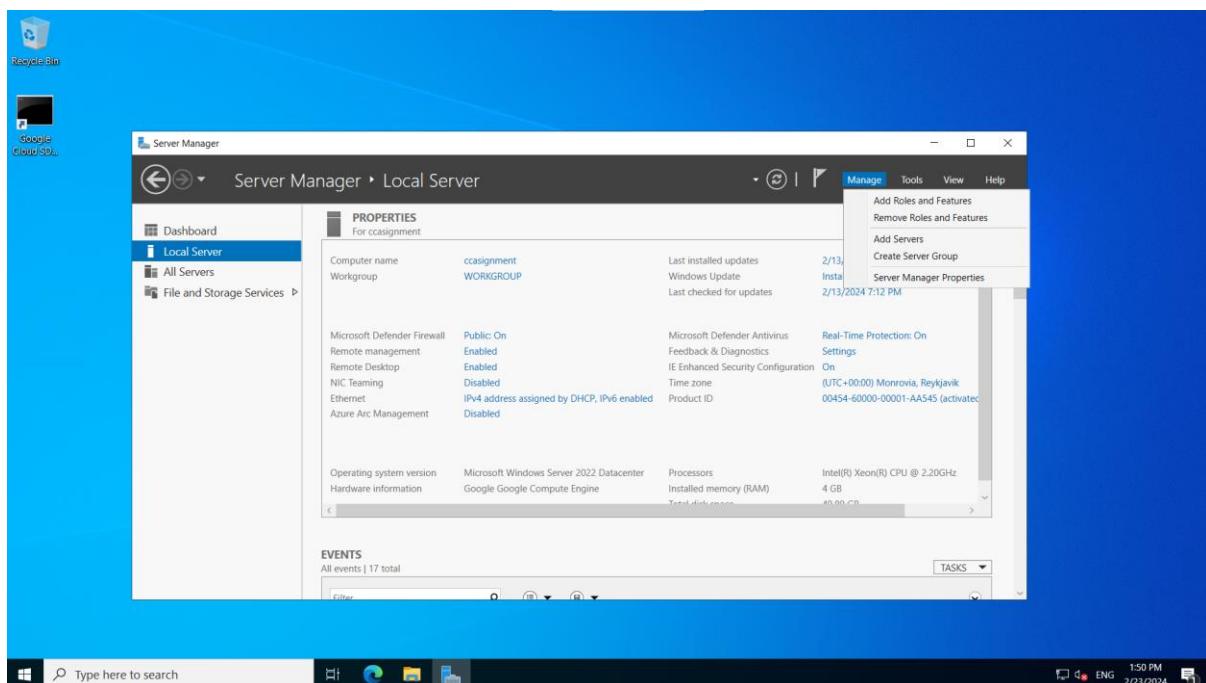
The screenshot shows the Google Cloud Compute Engine interface. On the left, there's a sidebar with sections like Virtual machines, Storage, and Marketplace. The main area is titled 'VM instances' and shows a list of instances: 'ajayinstance', 'ccassignment', and 'wininstance'. A modal window titled 'Enter your credentials' is open over the list. It contains a text input field with the value 'u_ajaykumar7616' and a checkbox for 'Remember me'. Below the input field, there's a link 'More choices'. At the bottom of the modal are 'OK' and 'Cancel' buttons. To the right of the modal, there's a 'Connect' section with options for 'SSH', 'RDP', and another 'RDP' option. Below the connect section are links for 'Explore Backup and DR', 'Explore VM logs', 'Set up firewall rules', 'Patch management', and 'Load balance between VMs'.

This screenshot is similar to the one above, showing the Google Cloud Compute Engine interface. The 'VM instances' list includes 'ajayinstance', 'ccassignment', and 'wininstance'. A modal window titled 'Remote Desktop Connection' is open, displaying a warning message: 'The identity of the remote computer cannot be verified. Do you want to connect anyway?'. It provides details about certificate errors, including 'Name in the certificate from the remote computer: 128.0.2.ccassignment (micro)' and 'The certificate is not from a trusted certifying authority'. There's a checkbox for 'Don't ask me again for connections to this computer' and a 'View certificate...' button. At the bottom of the modal are 'Yes' and 'No' buttons. The background shows the same 'Related actions' links as the previous screenshot.

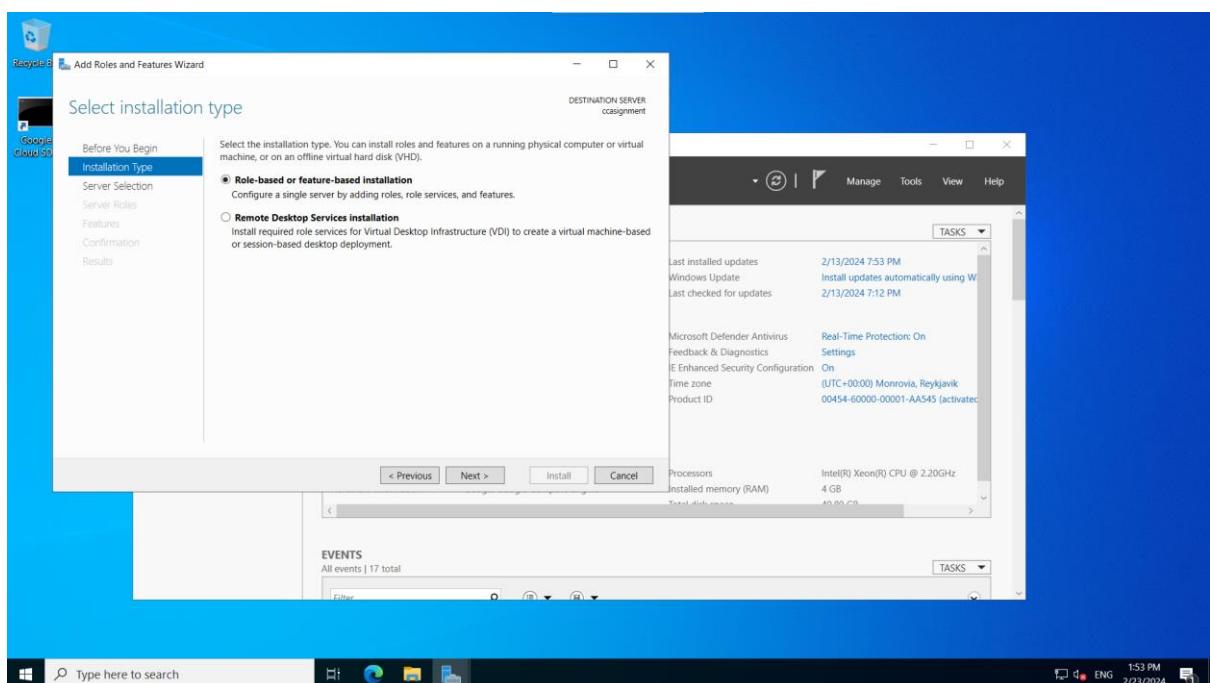
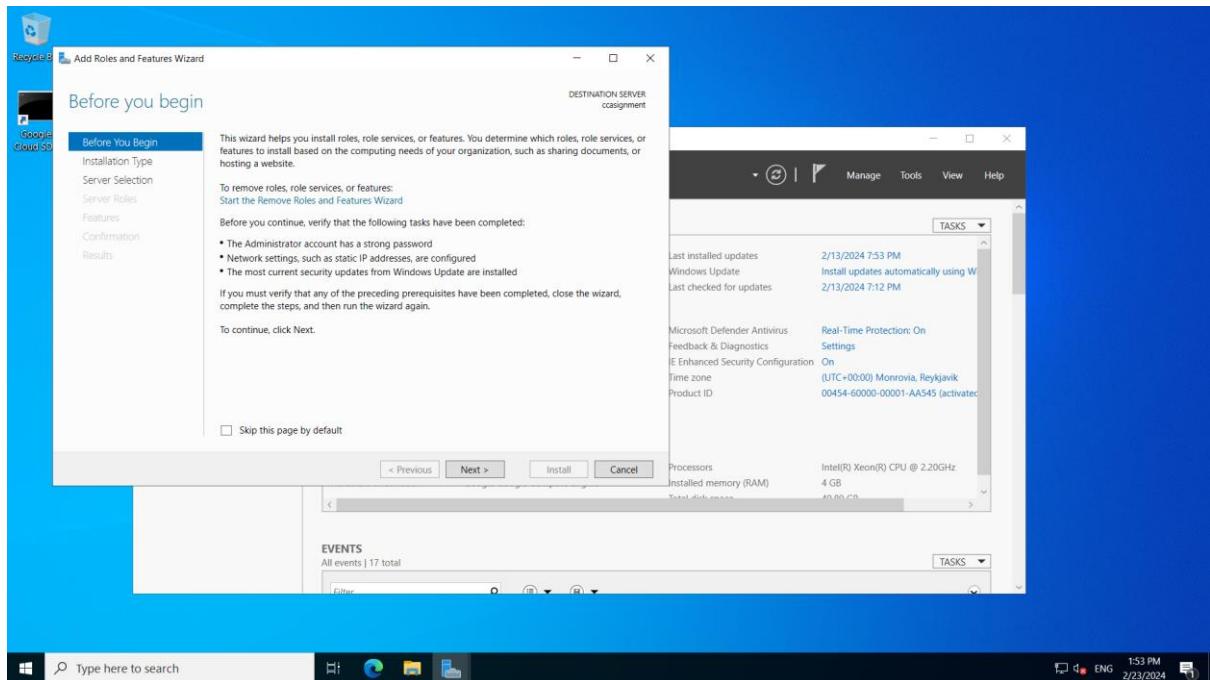
When the window instance you will get a Server manager application

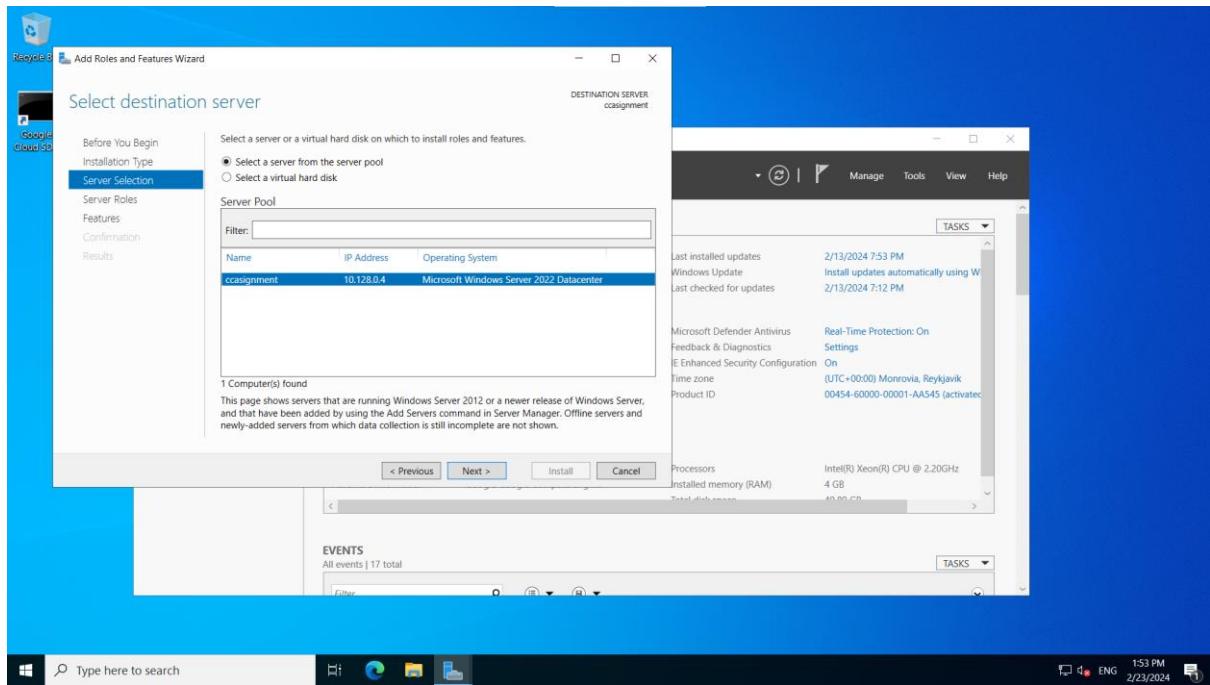


Select Add Roles and Features from the manage

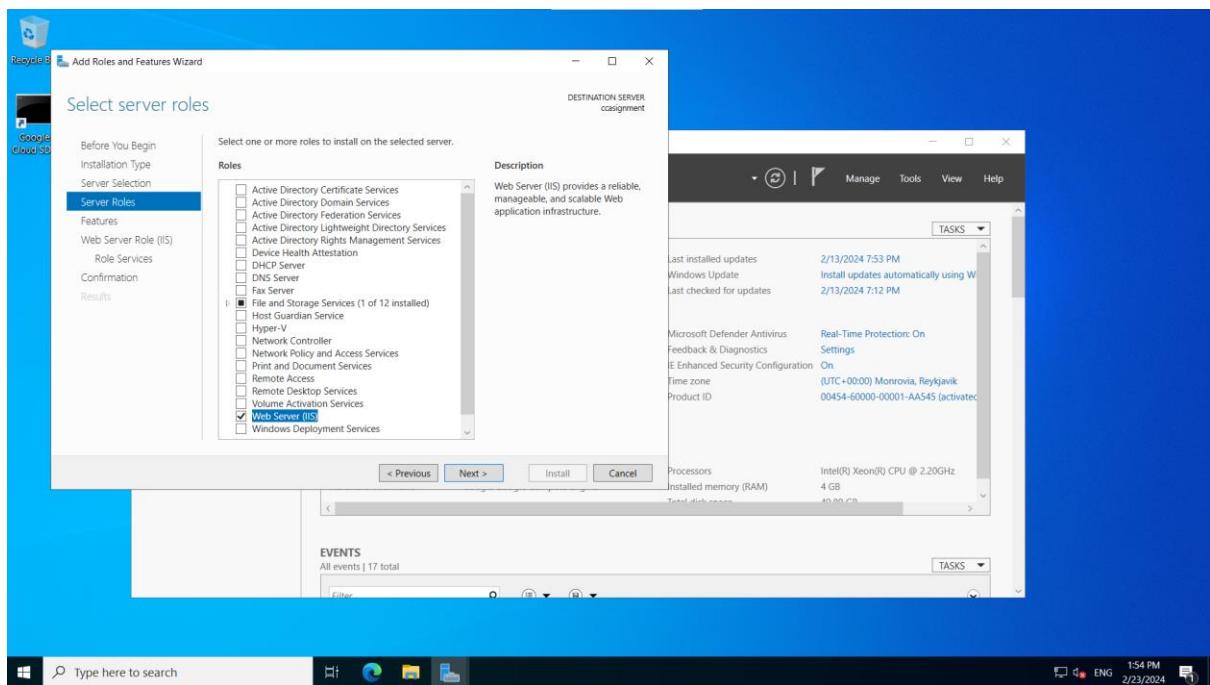


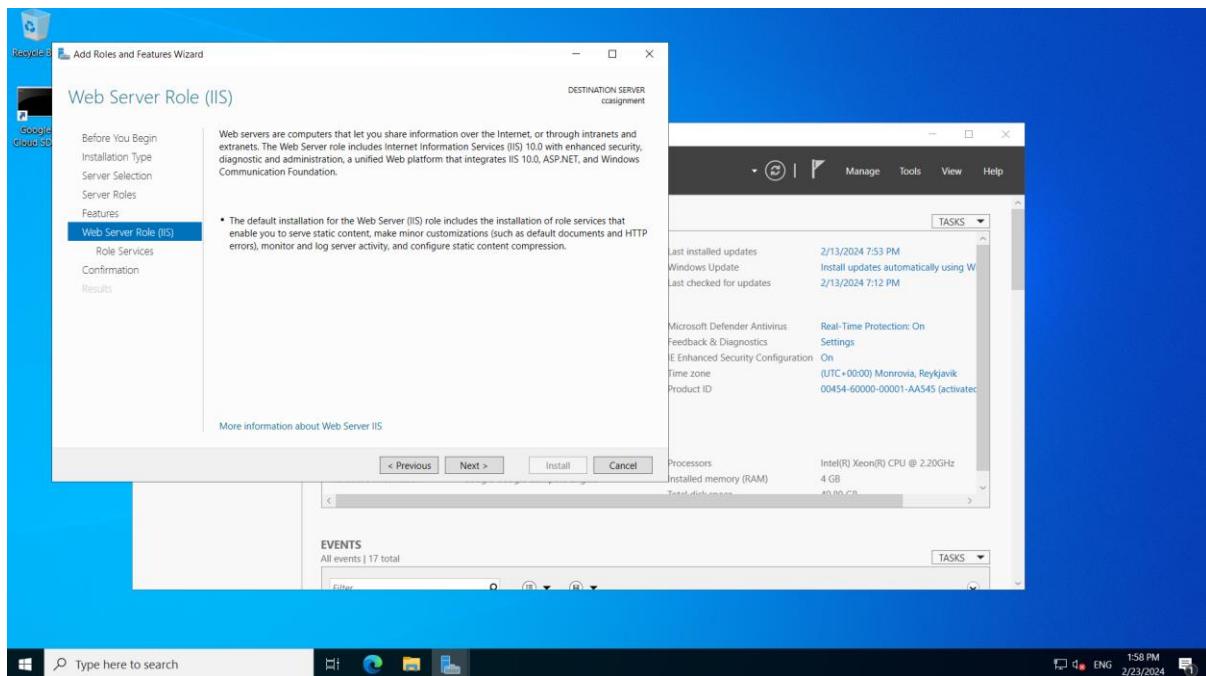
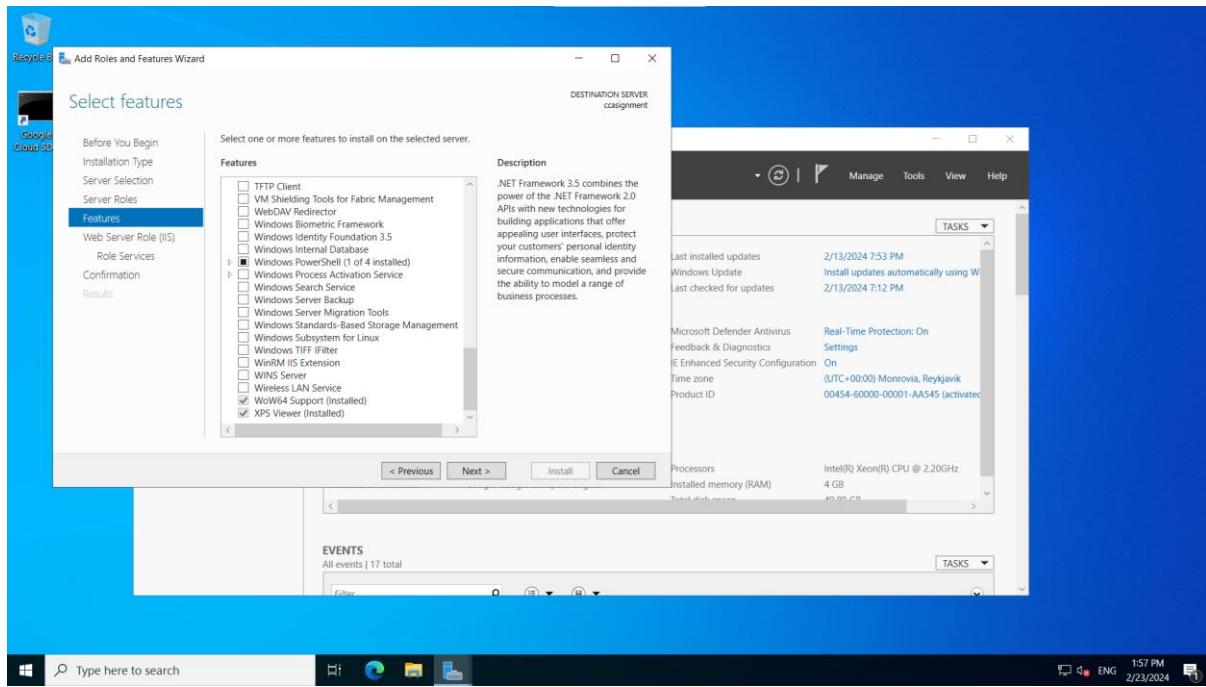
Follow the installation procedure as followed in the below snapshot

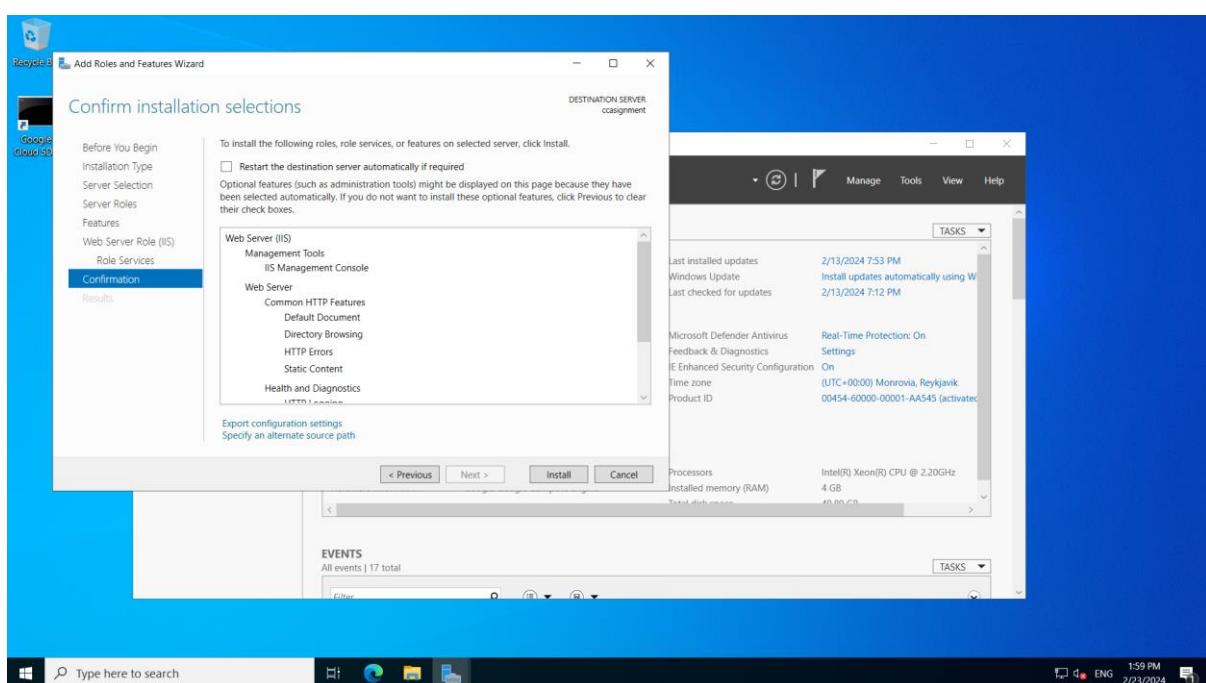
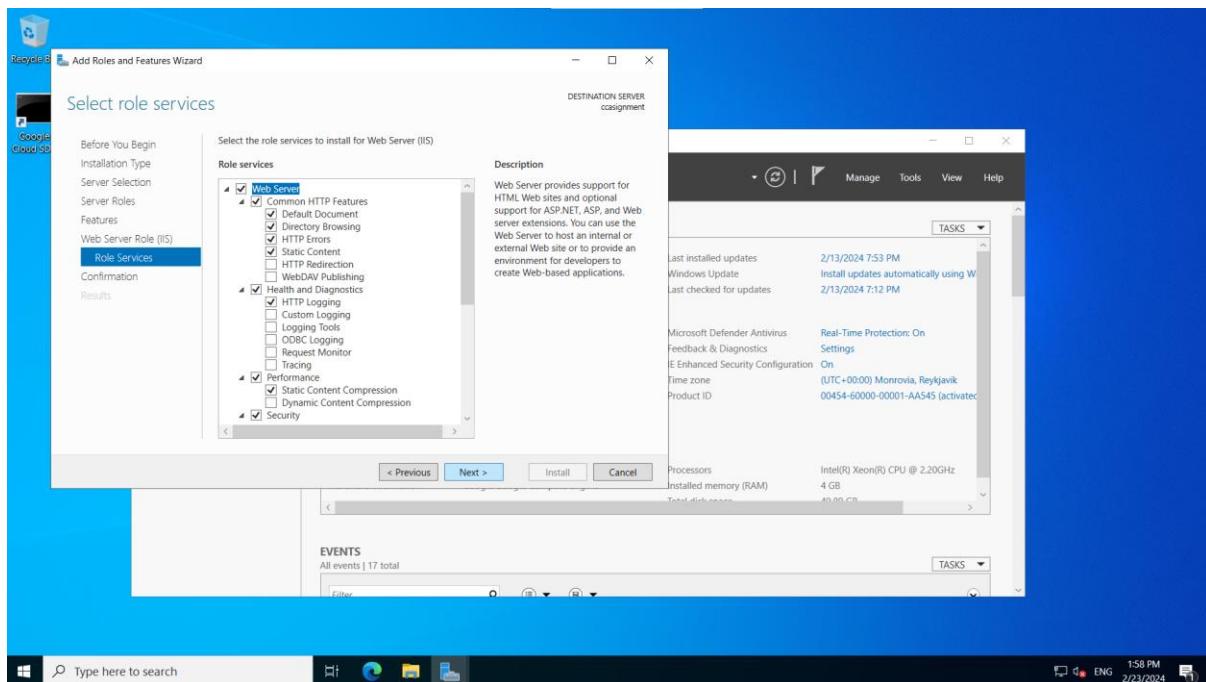




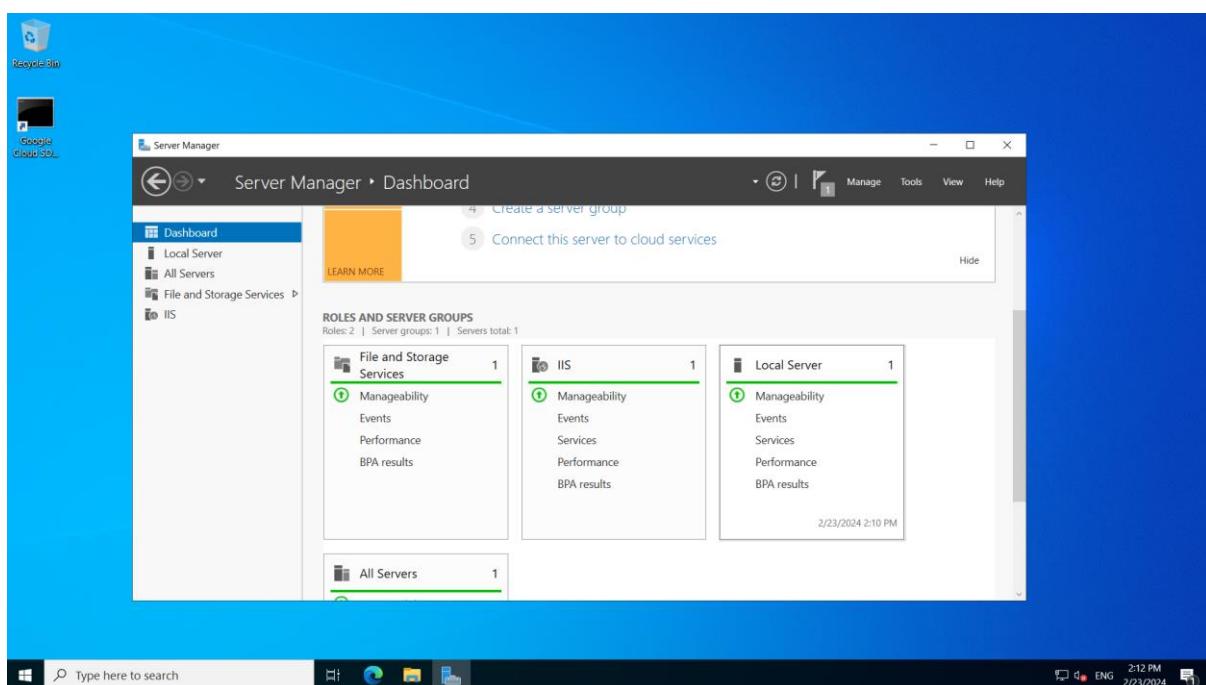
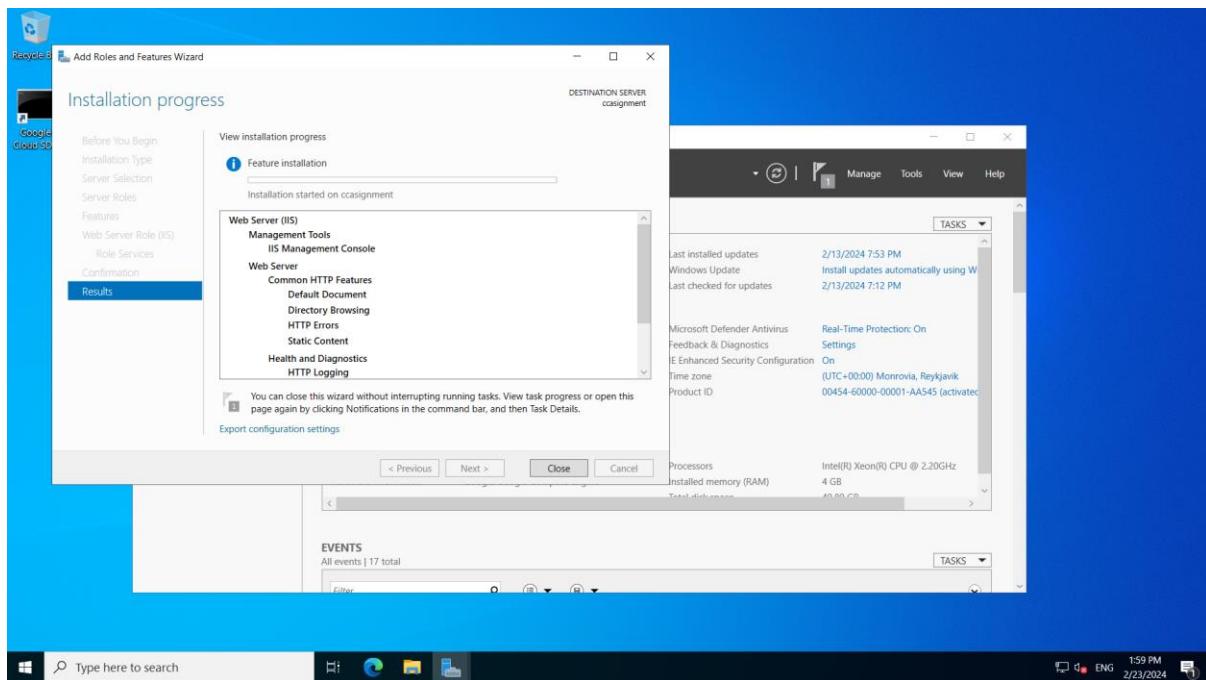
Tick mark the Web Server(IIS) which was uncheck.







You have successfully installed IIS server

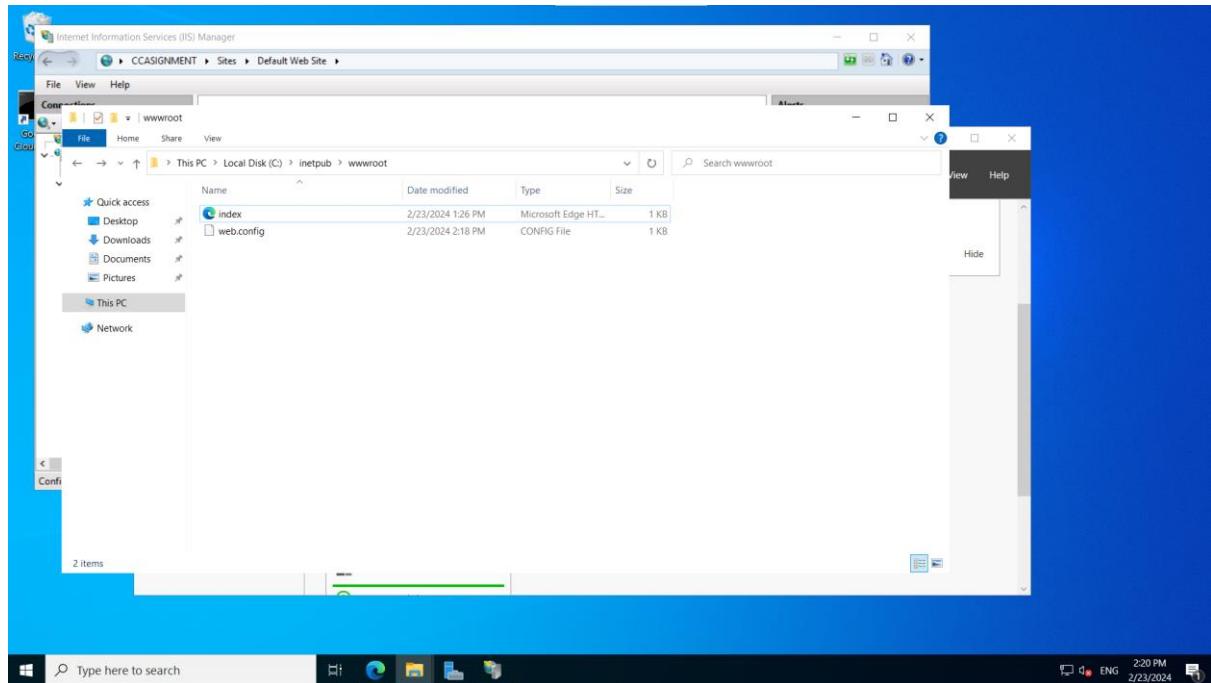


Create a Hello World in HTML format and save it has index file

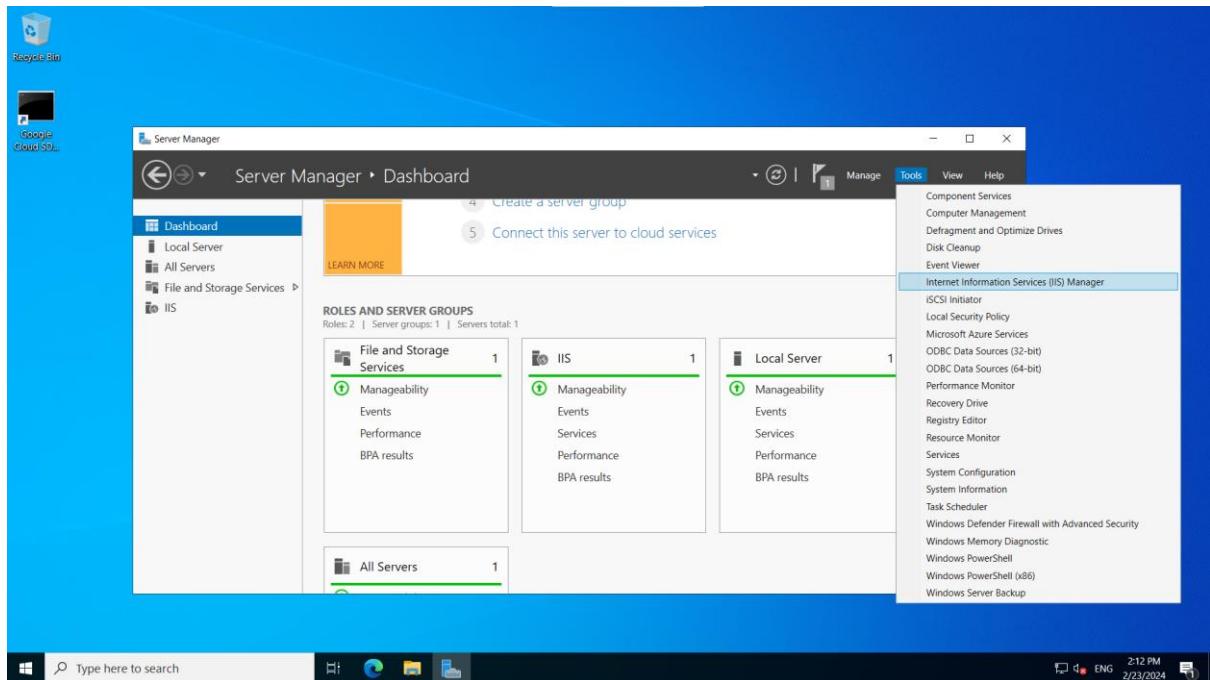
```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
    <h1>Hello World!</h1>
</body>
</html>
```

Windows (CRLF) Ln 7, Col 8 100%

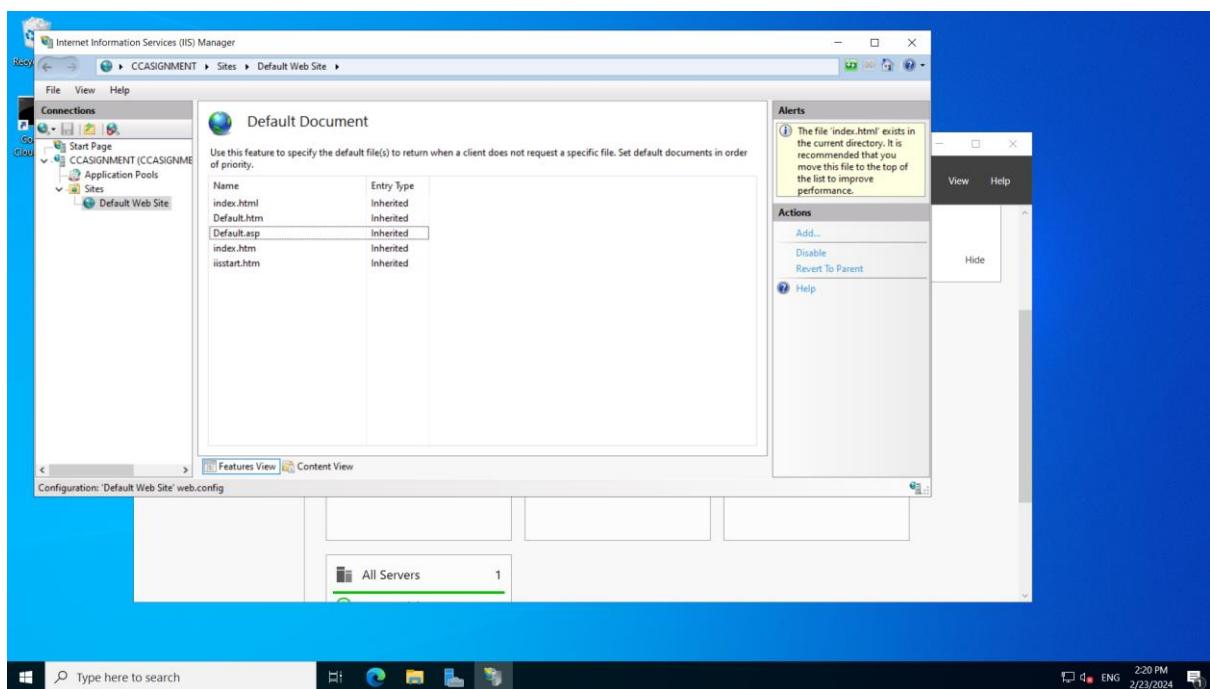
Move the index file to C:/inetpub/wwwroot/ folder



Now select the Internet Information Service Manager from the tools



Click on Sites and select Default web site where you get option of Default Document. Click on the option and where you get a list of file. In that move the index.html to top.

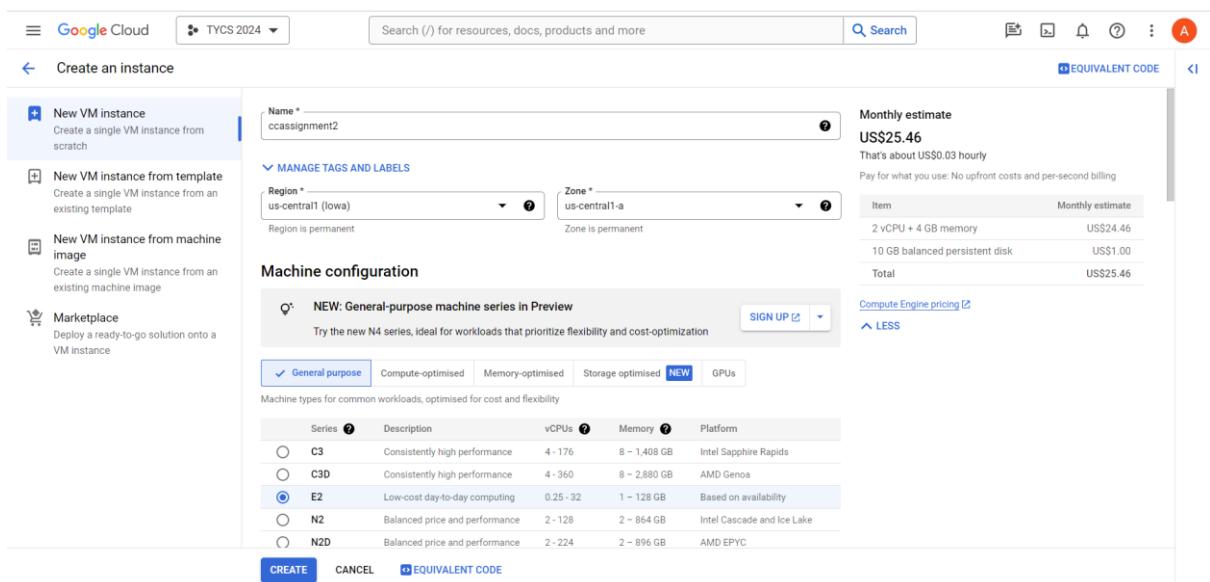


Then outside the window instance call the window instance using it's external ip. Then you will receive Hello World webpage.

Hello World

2)

Create a Debian Instance



New VM instance

Name * ccassignment2

Region * us-central1 (Iowa)

Zone * us-central1-a

Machine configuration

Series: E2

| Series | Description | vCPUs | Memory | Platform |
|--------|--------------------------------|-----------|--------------|----------------------------|
| C3 | Consistently high performance | 4 - 176 | 8 - 1,408 GB | Intel Sapphire Rapids |
| C3D | Consistently high performance | 4 - 360 | 8 - 2,880 GB | AMD Genoa |
| E2 | Low-cost day-to-day computing | 0.25 - 32 | 1 - 128 GB | Based on availability |
| N2 | Balanced price and performance | 2 - 128 | 2 - 864 GB | Intel Cascade and Ice Lake |
| N2D | Balanced price and performance | 2 - 224 | 2 - 896 GB | AMD EPYC |

CREATE CANCEL EQUIVALENT CODE

Select the Allow HTTP traffic and create the instance

console.cloud.google.com/compute/instancesAdd?project=psyched-cab-413502

Service accounts

Compute Engine default service account

Requires the Service Account User role (roles/iam.serviceAccountUser) to be set for users who want to access VMs with this service account. [Learn more](#)

Monthly estimate

US\$25.46

That's about US\$0.03 hourly

Pay for what you use: No upfront costs and per-second billing

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$24.46 |
| 10 GB balanced persistent disk | US\$1.00 |
| Total | US\$25.46 |

[Compute Engine pricing](#)

[LESS](#)

New VM instance
Create a single VM instance from scratch

New VM instance from template
Create a single VM instance from an existing template

New VM instance from machine image
Create a single VM instance from an existing machine image

Marketplace
Deploy a ready-to-go solution onto a VM instance

Access scopes

Allow default access

Allow full access to all Cloud APIs

Set access for each API

Firewall

Add tags and firewall rules to allow specific network traffic from the Internet

Allow HTTP traffic

Allow HTTPS traffic

Allow load balancer health checks

Observability – Ops Agent

Monitor your system through collection of logs and key metrics.

Install Ops Agent for monitoring and logging

Advanced options

Networking, disks, security, management, sole-tenancy

CREATE **CANCEL** **EQUIVALENT CODE**

console.cloud.google.com/compute/instances?onCreate=true&project=psyched-cab-413502

Compute Engine

VM instances **CREATE INSTANCE** **IMPORT VM** **REFRESH**

Virtual machines

- VM Instances**
- Instance templates
- Sole-tenant nodes
- Machine images
- TPUs
- Committed-use discounts
- Reservations
- Migrate to Virtual Machine
- Disks
- Snapshots
- Marketplace
- Release notes

INSTANCES **OBSERVABILITY** **INSTANCE SCHEDULES**

VM instances

Filter Enter property name or value

| Status | Name | Zone | Recommendations | In use by | Internal IP | External IP | Connect |
|--------------------------|---------------|---------------|-----------------|-----------|-------------------|----------------------|---------|
| <input type="checkbox"/> | ajayinstance | us-central1-c | | | 10.128.0.2 (nic0) | | SSH |
| <input type="checkbox"/> | ccassignment | us-central1-a | | | 10.128.0.4 (nic0) | 34.16.75.112 (nic0) | RDP |
| <input type="checkbox"/> | ccassignment2 | us-central1-a | | | 10.128.0.5 (nic0) | 35.226.167.25 (nic0) | SSH |
| <input type="checkbox"/> | wininstance | us-central1-a | | | 10.128.0.3 (nic0) | | RDP |

Related actions

- Explore Backup and DR **NEW**
Back up your VMs and set up disaster recovery
- View billing report
View and manage your Compute Engine billing
- Monitor VMs
View outlier VMs across metrics like CPU and network
- Set up firewall rules
Control traffic to and from a VM instance
- Patch management
Schedule patch updates and view patch compliance on VM instances
- Load balance between VMs
Set up load balancing for your applications as your traffic and users grow
- Explore VM logs
View, search, analyse and download VM instance logs

Click on Open in browser window from the ccassignment2 instance

The screenshot shows the Google Cloud Compute Engine interface. On the left, a sidebar lists 'Virtual machines' with 'VM Instances' selected. The main area displays a table of VM instances with columns for Status, Name, Zone, Recommendations, In use by, Internal IP, External IP, and Connect. The instances listed are:

| Status | Name | Zone | Recommendations | In use by | Internal IP | External IP | Connect |
|---------|---------------|---------------|-----------------|-----------|-------------------|----------------------|---------|
| Running | ajayinstance | us-central1-c | | | 10.128.0.2 (nic0) | | SSH |
| Running | ccassignment | us-central1-a | | | 10.128.0.4 (nic0) | 34.16.75.112 (nic0) | RDP |
| Running | ccassignment2 | us-central1-a | | | 10.128.0.5 (nic0) | 35.226.167.25 (nic0) | SSH |
| Running | wininstance | us-central1-a | | | | | |

Below the table, there's a 'Related actions' section with links like 'Explore Backup and DR', 'View billing report', 'Set up firewall rules', 'Patch management', and 'Load balance between VMs'. A tooltip for 'Logs' says 'Analyze and download VM logs'.

You will get a SSH terminal mode

The screenshot shows an SSH terminal window titled 'SSH-in-browser'. It displays a Debian 6.1.76-1 (2024-02-01) x86_64 system prompt. The terminal interface includes buttons for 'UPLOAD FILE', 'DOWNLOAD FILE', and various icons. The terminal output shows standard Debian copyright and warranty information.

```
Linux ccassignment2.us-central1-a.c.psyched-cab-413502.internal 6.1.0-18-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.76-1 (2024-02-01) x86_64

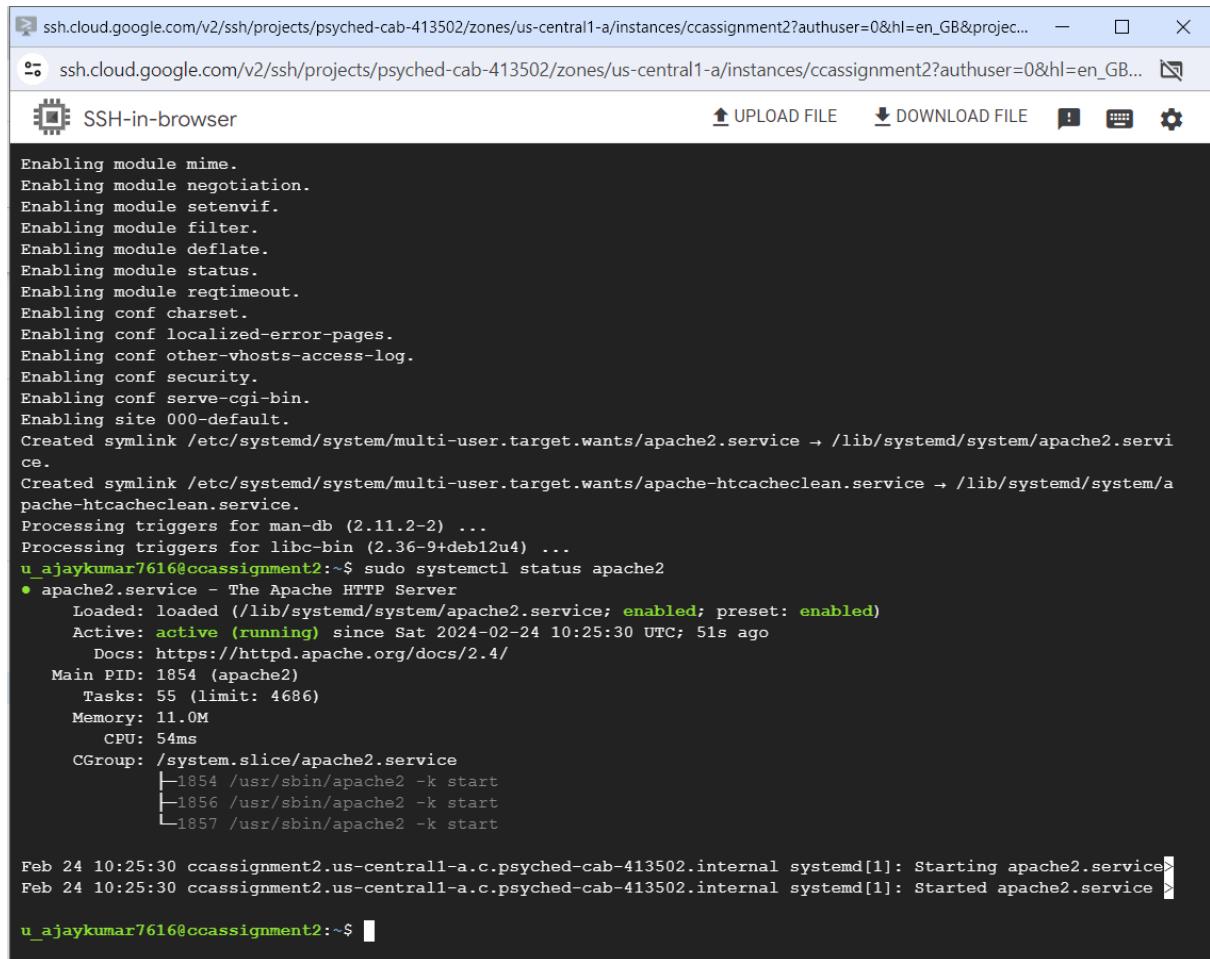
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
u_ajaykumar7616@ccassignment2:~$
```

Type the command `sudo apt update && sudo apt -y install apache2`. To install apache

```
Linux ccassignment2.us-central1-a.c.psyched-cab-413502.internal 6.1.0-18-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Deb  
ian 6.1.76-1 (2024-02-01) 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.  
u_ajaykumar7616@ccassignment2:~$ sudo apt update && sudo apt -y install apache2  
Get:1 file:/etc/apt/mirrors/debian.list Mirrorlist [30 B]  
Get:5 file:/etc/apt/mirrors/debian-security.list Mirrorlist [39 B]  
Get:7 https://packages.cloud.google.com/apt google-compute-engine-bookworm-stable InRelease [5146 B]  
Get:8 https://packages.cloud.google.com/apt cloud-sdk-bookworm InRelease [6406 B]  
Get:2 https://deb.debian.org/debian bookworm InRelease [151 kB]  
Get:9 https://packages.cloud.google.com/apt google-compute-engine-bookworm-stable/main amd64 Packages [1936 B]  
Get:3 https://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]  
Get:4 https://deb.debian.org/debian bookworm-backports InRelease [56.5 kB]  
Get:6 https://deb.debian.org/debian-security bookworm-security InRelease [48.0 kB]  
Get:10 https://packages.cloud.google.com/apt cloud-sdk-bookworm/main amd64 Packages [455 kB]  
Get:11 https://deb.debian.org/debian bookworm-backports/main Sources.diff/Index [63.3 kB]  
Get:12 https://deb.debian.org/debian bookworm-backports/main amd64 Packages.diff/Index [63.3 kB]  
Get:16 https://deb.debian.org/debian bookworm-backports/main Sources T-2024-02-24-0817.06-F-2024-02-13-2006.01.  
pdiff [12.3 kB]  
Get:16 https://deb.debian.org/debian bookworm-backports/main Sources T-2024-02-24-0817.06-F-2024-02-13-2006.01.  
pdiff [12.3 kB]  
Get:17 https://deb.debian.org/debian bookworm-backports/main amd64 Packages T-2024-02-24-0213.12-F-2024-02-13-2  
006.01.pdiff [11.5 kB]  
Get:17 https://deb.debian.org/debian bookworm-backports/main amd64 Packages T-2024-02-24-0213.12-F-2024-02-13-2  
006.01.pdiff [11.5 kB]  
Get:13 https://deb.debian.org/debian-security bookworm-security/main Sources [81.7 kB]  
Get:14 https://deb.debian.org/debian-security bookworm-security/main amd64 Packages [143 kB]  
Get:15 https://deb.debian.org/debian-security bookworm-security/main Translation-en [85.1 kB]  
Fetched 1240 kB in 1s (994 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done
```

Then start the apache using command, sudo systemctl status apache2

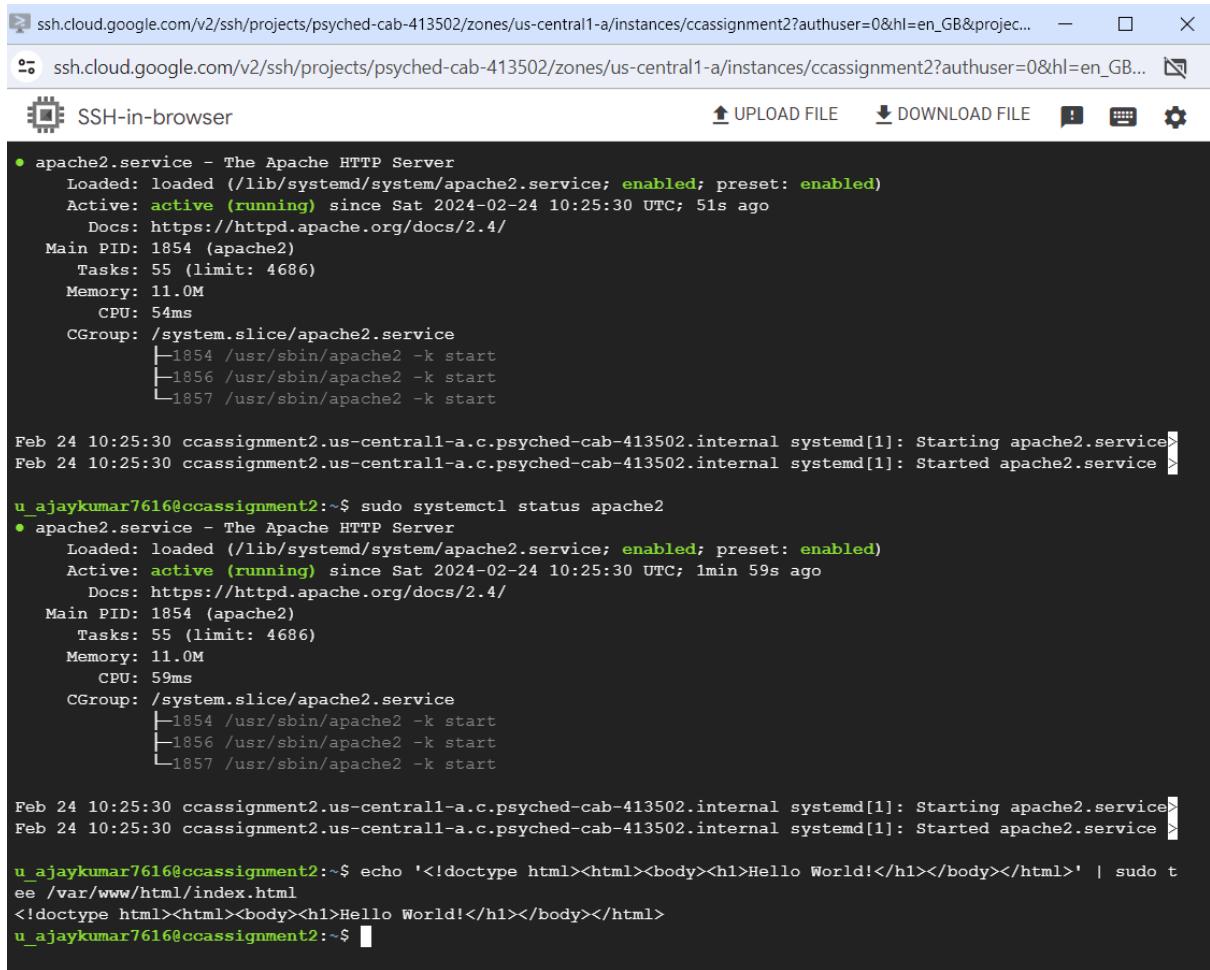


The screenshot shows a terminal window titled "SSH-in-browser" connected to a Google Cloud instance. The terminal displays the following output:

```
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libc-bin (2.36-9+deb12u4) ...
u_ajaykumar7616@ccassignment2:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
    Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
    Active: active (running) since Sat 2024-02-24 10:25:30 UTC; 51s ago
      Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 1854 (apache2)
     Tasks: 55 (limit: 4686)
    Memory: 11.0M
       CPU: 54ms
      CGroup: /system.slice/apache2.service
              ├─1854 /usr/sbin/apache2 -k start
              ├─1856 /usr/sbin/apache2 -k start
              └─1857 /usr/sbin/apache2 -k start

Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Starting apache2.service
Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Started apache2.service
u_ajaykumar7616@ccassignment2:~$
```

After starting the apache, replace the index.html with Hello World. Using this command, echo '<!doctype html><html><body><h1>Hello World!</h1></body></html>' | sudo tee /var/www/html/index.html



The screenshot shows an SSH session in a browser window titled "SSH-in-browser". The session is connected to an instance with IP 35.226.167.25. The terminal window displays the following output:

```
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Sat 2024-02-24 10:25:30 UTC; 51s ago
     Docs: https://httpd.apache.org/docs/2.4/
Main PID: 1854 (apache2)
  Tasks: 55 (limit: 4686)
 Memory: 11.0M
    CPU: 54ms
   CGroup: /system.slice/apache2.service
           ├─1854 /usr/sbin/apache2 -k start
           ├─1856 /usr/sbin/apache2 -k start
           └─1857 /usr/sbin/apache2 -k start

Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Starting apache2.service
Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Started apache2.service

u_ajaykumar7616@ccassignment2:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Sat 2024-02-24 10:25:30 UTC; 1min 59s ago
     Docs: https://httpd.apache.org/docs/2.4/
Main PID: 1854 (apache2)
  Tasks: 55 (limit: 4686)
 Memory: 11.0M
    CPU: 59ms
   CGroup: /system.slice/apache2.service
           ├─1854 /usr/sbin/apache2 -k start
           ├─1856 /usr/sbin/apache2 -k start
           └─1857 /usr/sbin/apache2 -k start

Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Starting apache2.service
Feb 24 10:25:30 ccassignment2.us-central1-a.c.psyched-cab-413502.internal systemd[1]: Started apache2.service

u_ajaykumar7616@ccassignment2:~$ echo '<!doctype html><html><body><h1>Hello World!</h1></body></html>' | sudo tee /var/www/html/index.html
<!doctype html><html><body><h1>Hello World!</h1></body></html>
u_ajaykumar7616@ccassignment2:~$
```

Now call the external ip outside the debian instance.

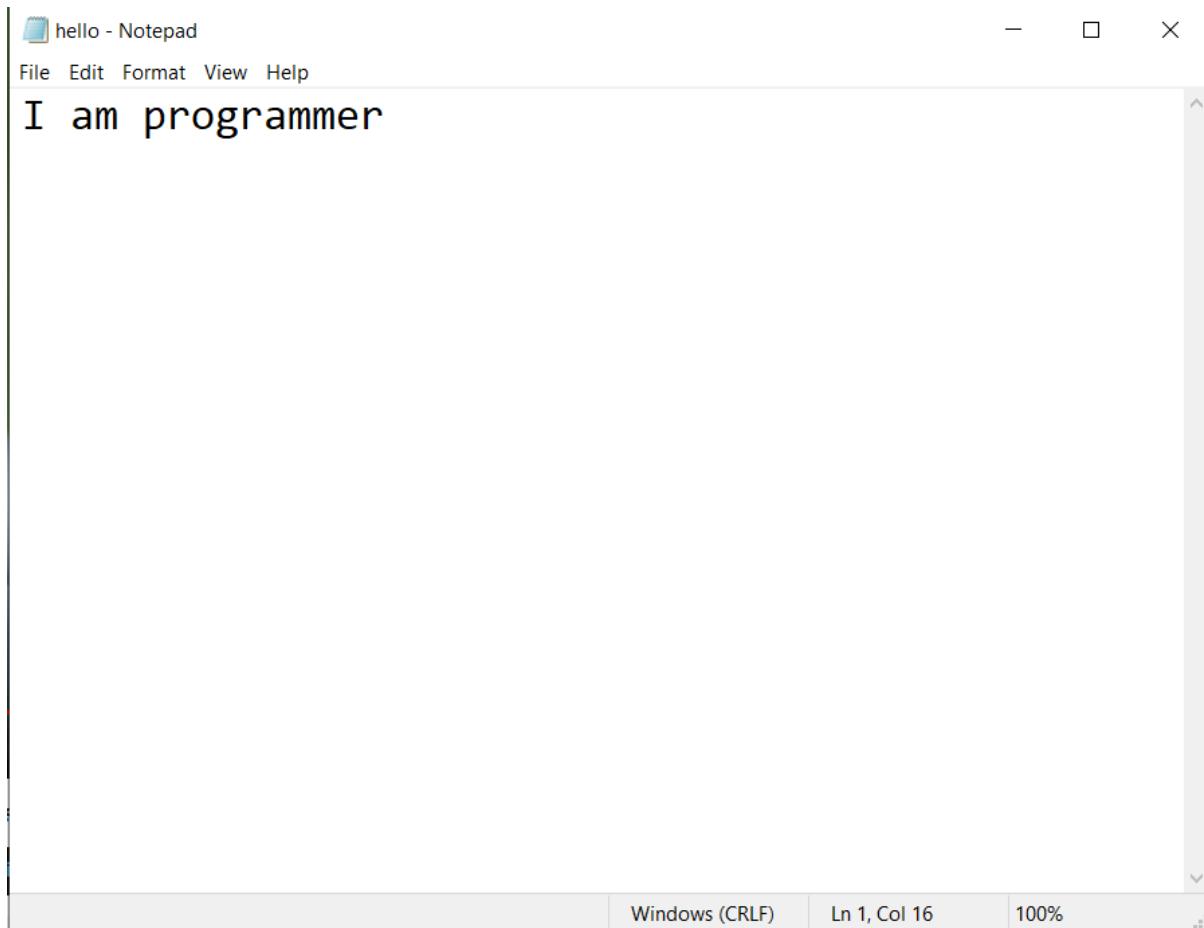


The browser address bar shows the URL `35.226.167.25`. The page content is:

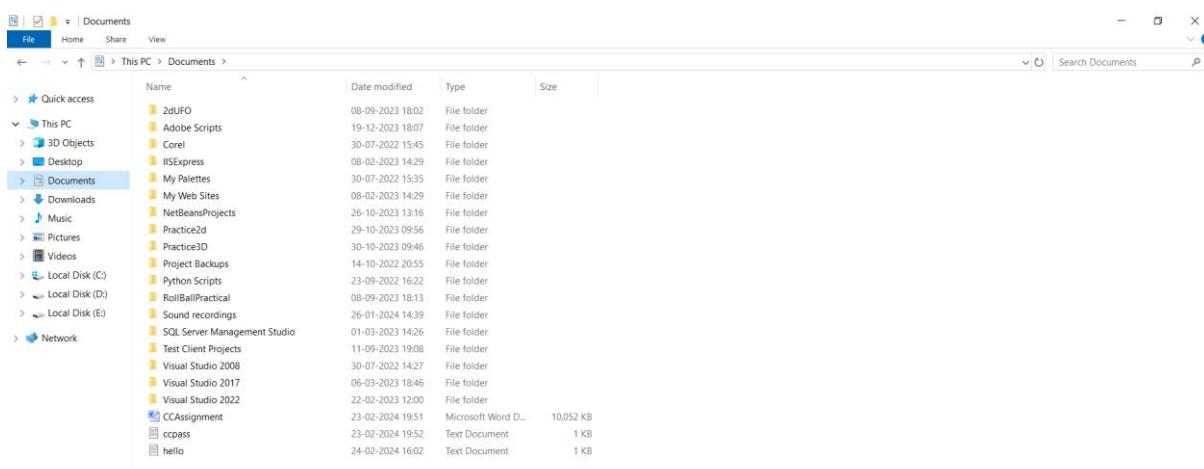
Hello World!

3)

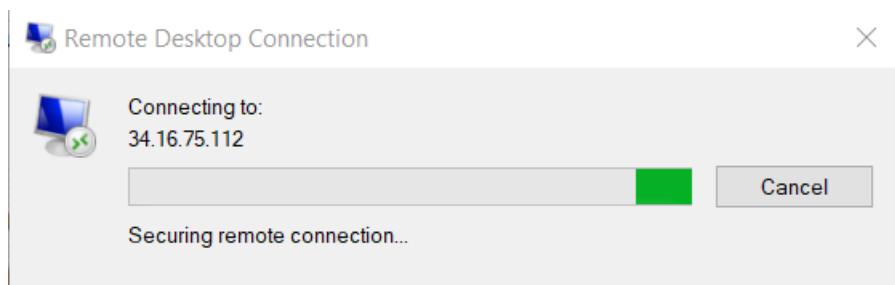
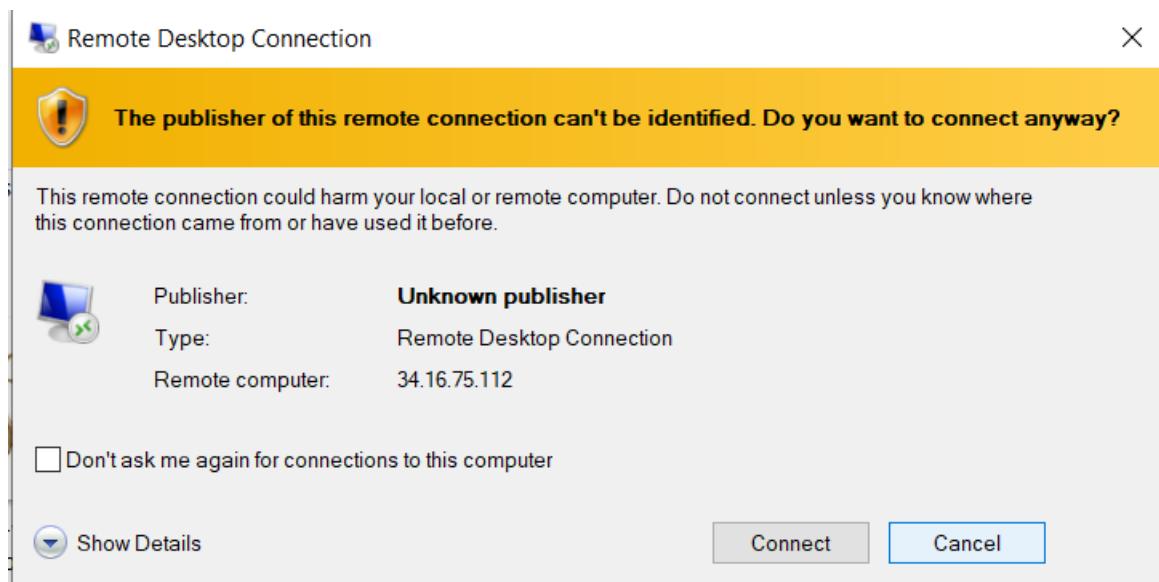
Create a hello text file.



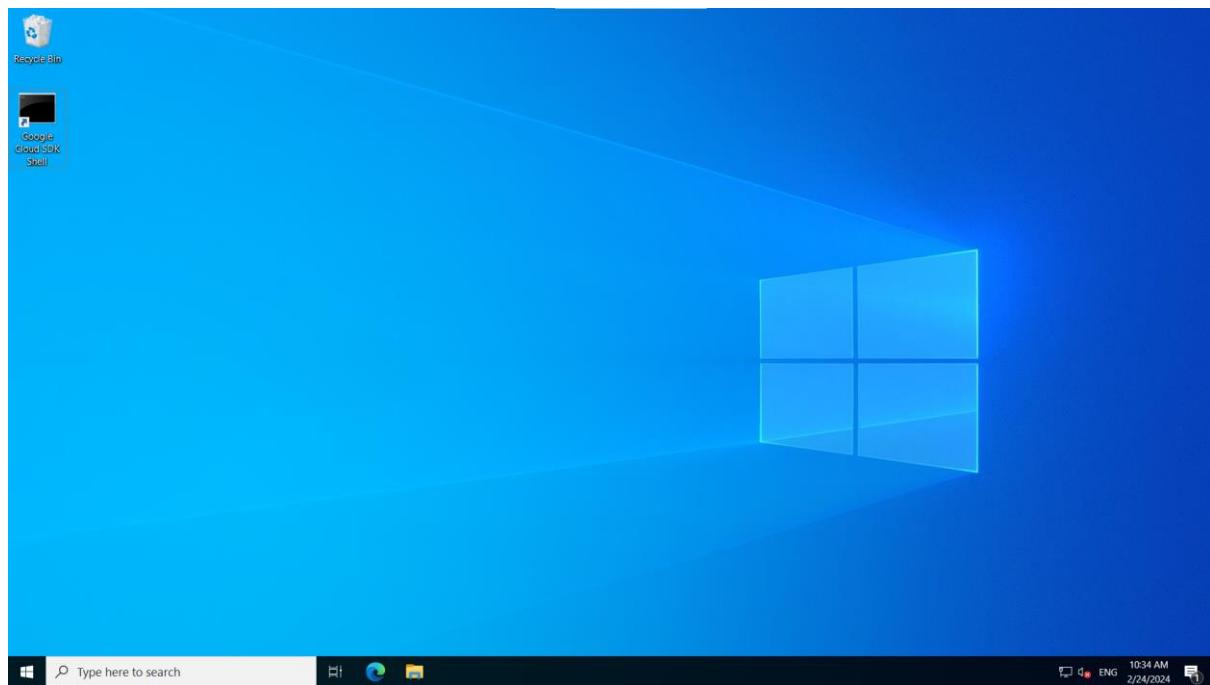
Save it in your Personal pc

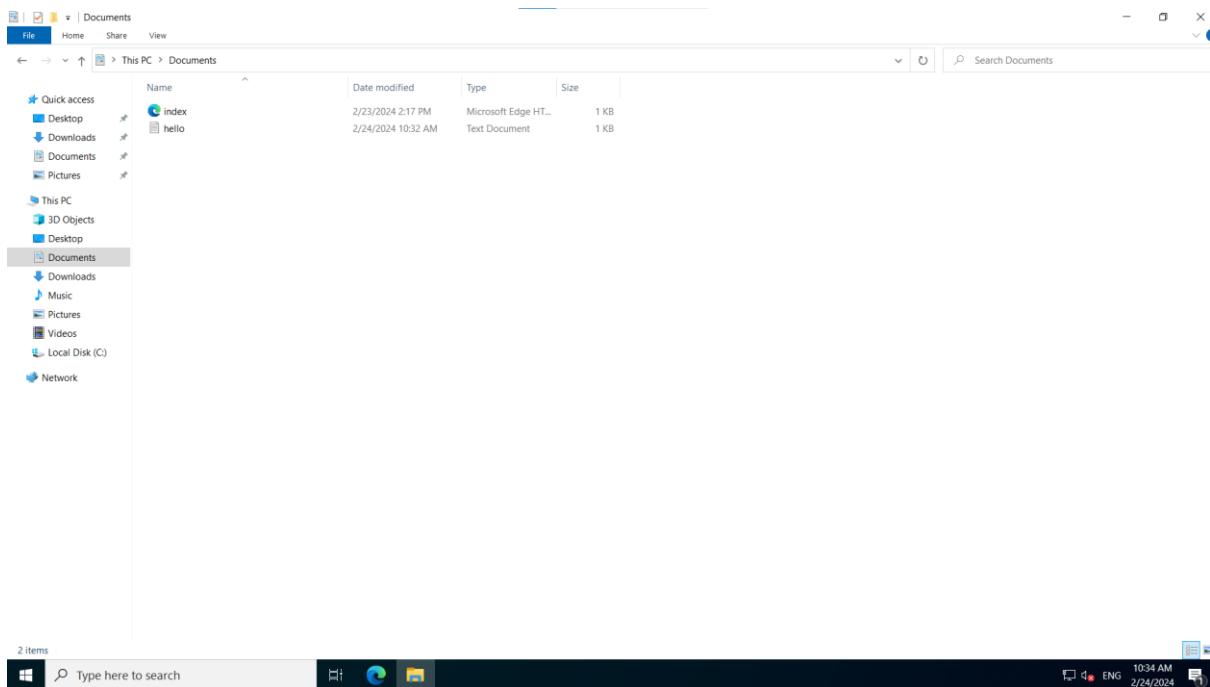


Now using RDP file launch the window instance



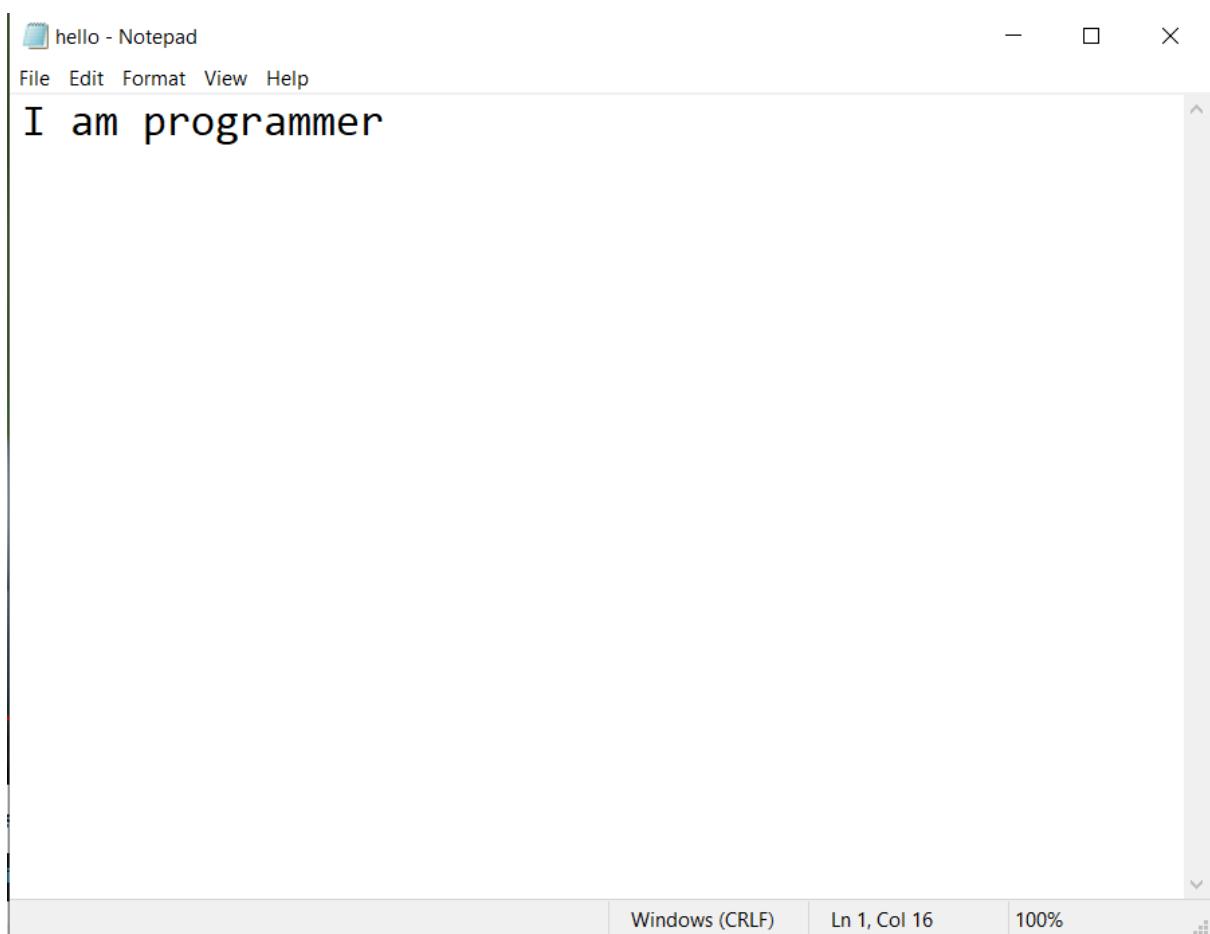
Copy the Hello text file from your Personal PC and paste the Hello.txt in the Documents folder.



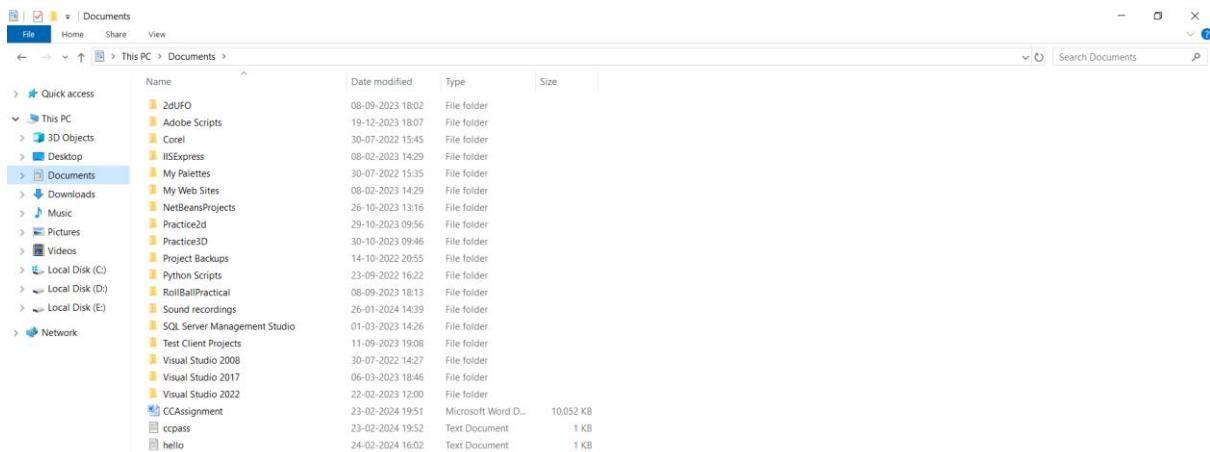


4)

Create a hello text file.

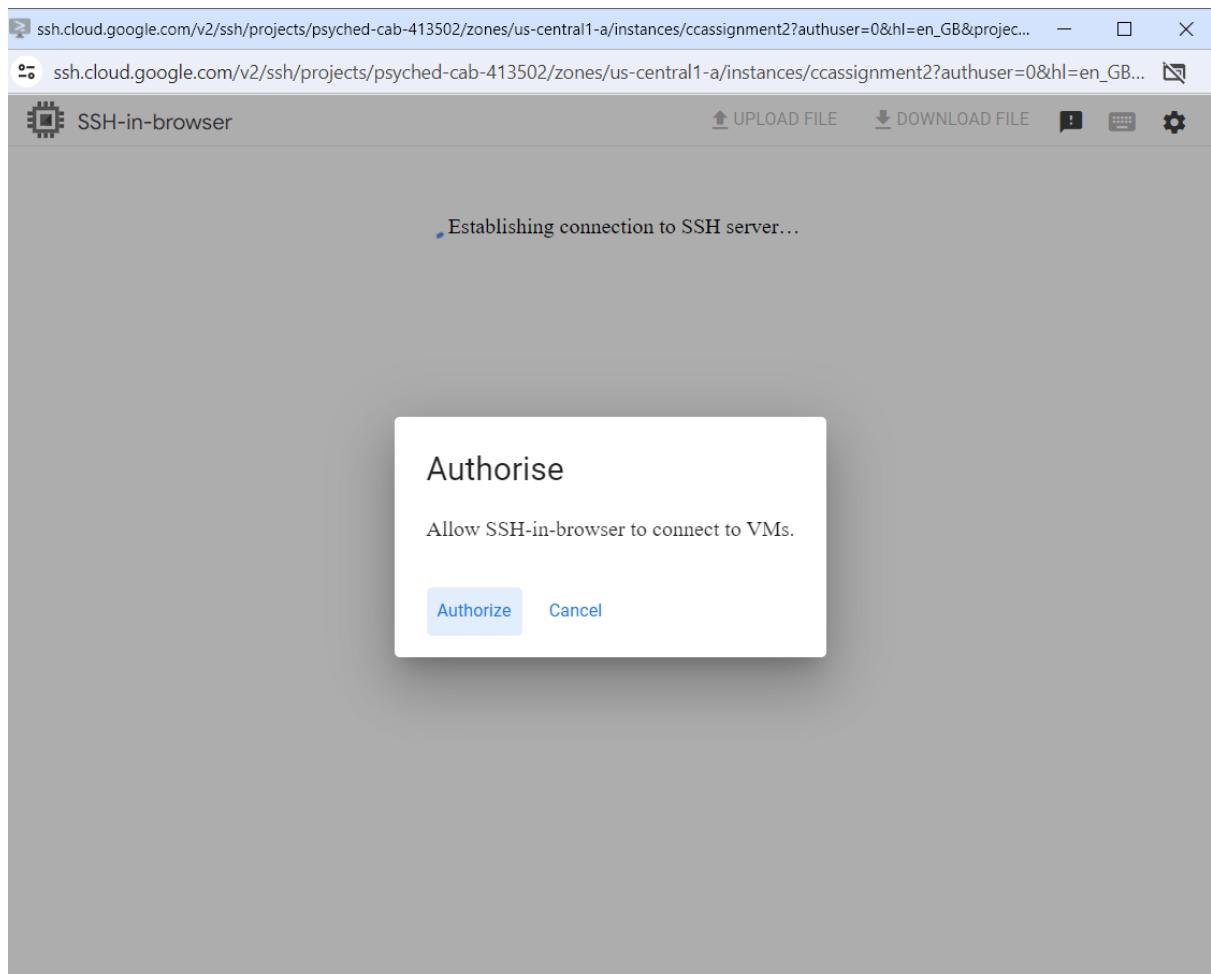


Save it in your Personal pc



Launch the Linux instance.

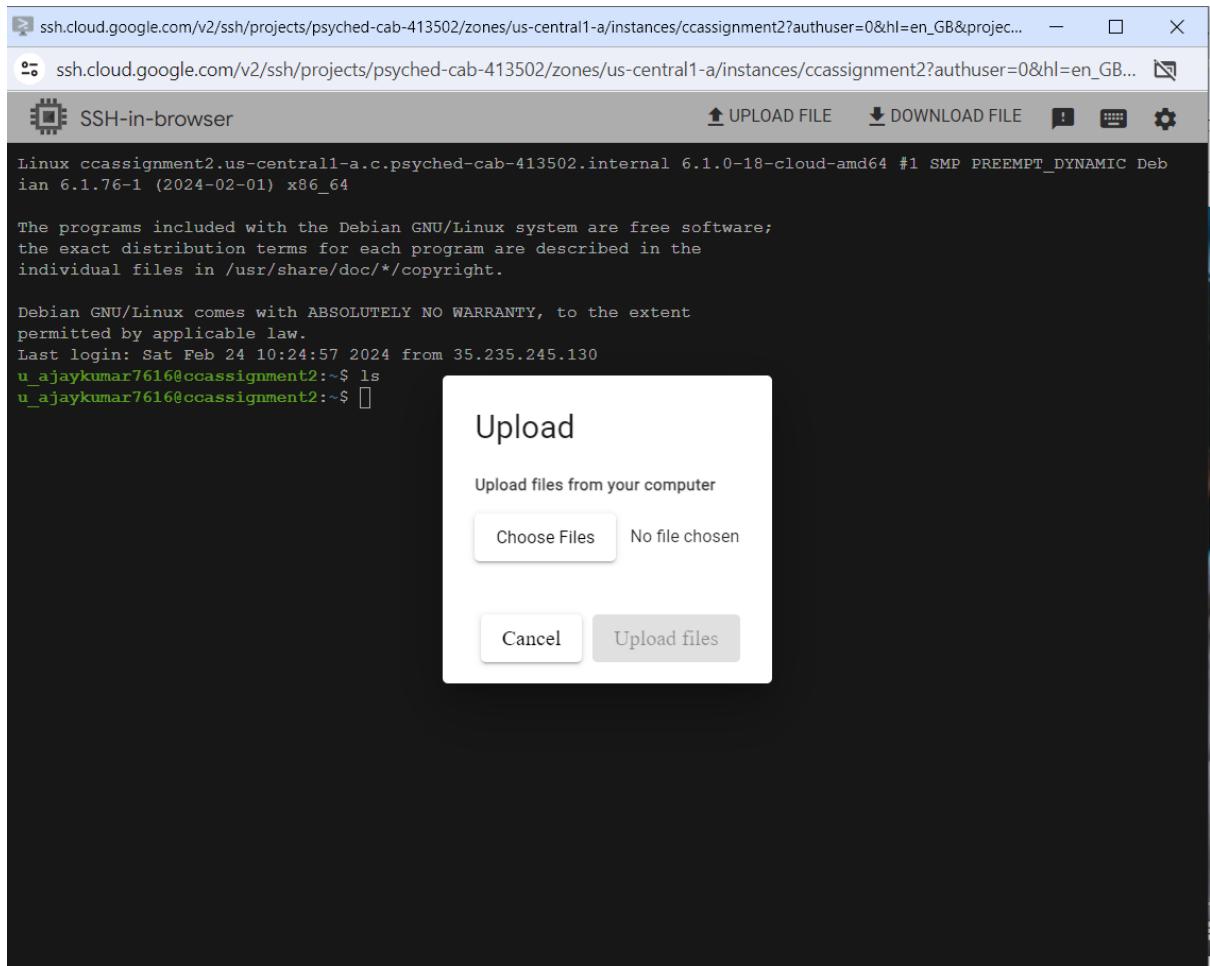
A screenshot of the Google Cloud Compute Engine VM instances page. The URL in the browser is 'console.cloud.google.com/compute/instances?onCreate=true&project=psyched-cab-413502'. The page shows a list of VM instances. The first instance, 'ajayinstance', is in 'us-central1-c' zone, has an internal IP of '10.128.0.2 (nic0)', and an external IP of '34.16.75.112 (nic0)'. It is connected via SSH. The second instance, 'ccassignment', is in 'us-central1-a' zone, has an internal IP of '10.128.0.4 (nic0)', and an external IP of '35.226.167.25 (nic0)'. It is connected via RDP. The third instance, 'ccassignment2', is in 'us-central1-a' zone, has an internal IP of '10.128.0.5 (nic0)', and an external IP of '35.226.167.25 (nic0)'. It is connected via SSH. The fourth instance, 'wininstance', is in 'us-central1-a' zone, has an internal IP of '10.128.0.3 (nic0)', and an external IP of '35.226.167.25 (nic0)'. It is connected via SSH. A context menu is open over the 'wininstance' row, with options like 'Open in browser window', 'Open in browser window on custom port', 'Open in browser window using provided private SSH key', 'View gcloud command', 'Use another SSH client', 'Logs' (with a tooltip 'Log and download VM'), and 'Hide'. On the left sidebar, there are sections for 'Compute Engine' (selected), 'Virtual machines' (selected), 'Instance templates', 'Sole-tenant nodes', 'Machine images', 'TPUs', 'Committed-use discounts', 'Reservations', 'Migrate to Virtual Machine...', 'Storage' (selected), 'Disks', 'Snapshots', 'Marketplace', and 'Release notes'. At the bottom, there is a search bar 'Type here to search' and a taskbar with icons for File Explorer, Edge, File Manager, Task View, Task Scheduler, Task Manager, and File History.

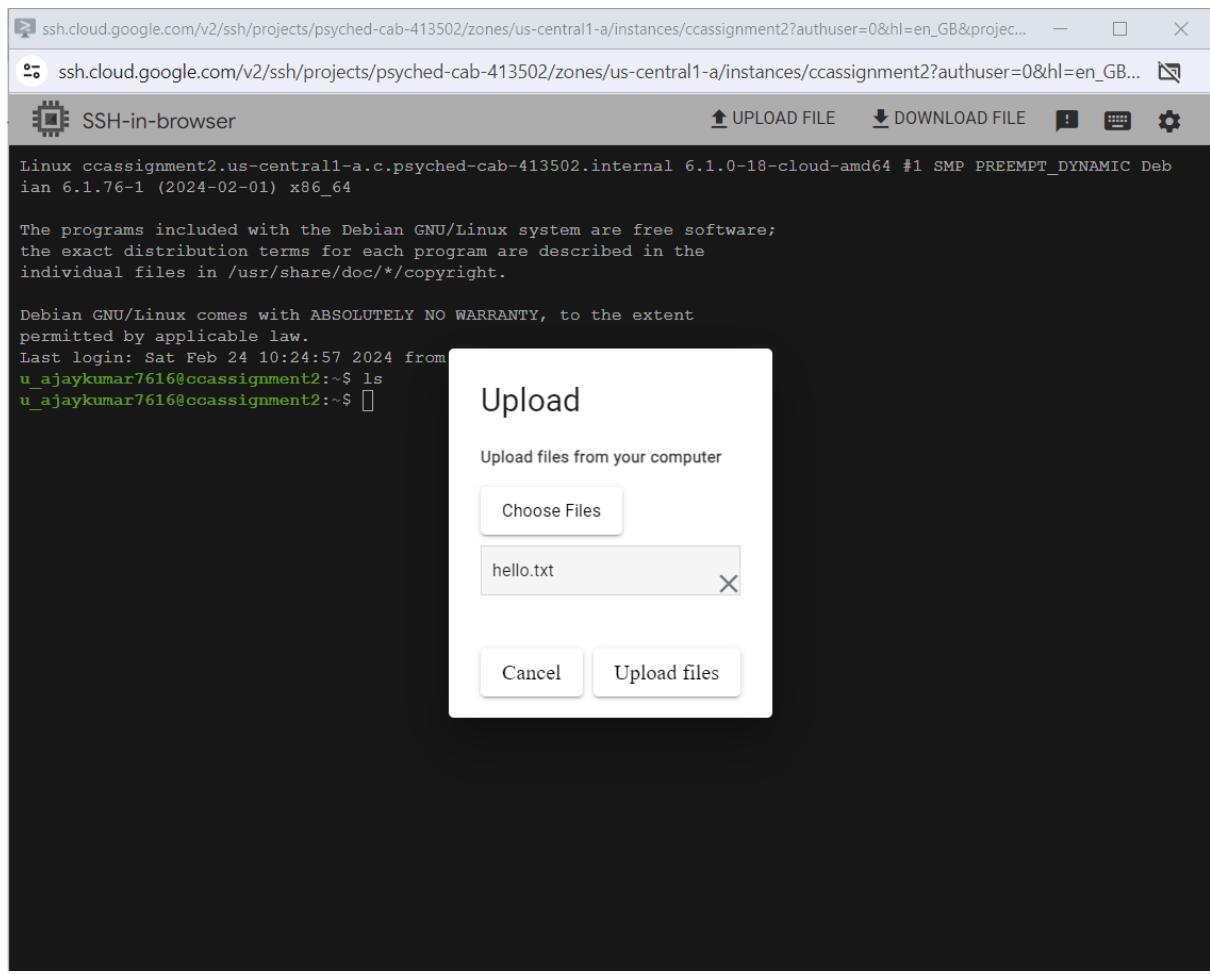


Click on the upload file option and select the hello.txt file from your personal pc.

The screenshot shows a web-based SSH terminal interface. At the top, there are two tabs: the active tab is 'ssh.cloud.google.com/v2/ssh/projects/psyched-cab-413502/zones/us-central1-a/instances/ccassignment2?authuser=0&hl=en_GB&projec...' and the other tab is a duplicate. Below the tabs is a header bar with a logo, the text 'SSH-in-browser', and several icons for file operations (upload, download, clipboard, keyboard, settings). The main area is a terminal window displaying a Debian 6.1.76-1 (2024-02-01) x86_64 system. The terminal output includes:

```
Linux ccassignment2.us-central1-a.c.psyched-cab-413502.internal 6.1.0-18-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Deb  
ian 6.1.76-1 (2024-02-01) 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.  
Last login: Sat Feb 24 10:24:57 2024 from 35.235.245.130  
u_ajaykumar7616@ccassignment2:~$
```





Give the command ls, you will see your file

The screenshot shows an SSH session in a browser window titled "SSH-in-browser". The terminal output shows a Debian system boot message and a user logging in. Below the terminal is a modal dialog box titled "Transferred 1 item" containing the file "hello.txt" with a green checkmark icon.

```

Linux ccassignment2.us-central1-a.ccassignment2.internal 6.1.0-18-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.76-1 (2024-02-01) 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.
Last login: Sat Feb 24 10:41:55 2024 from 35.235.245.128
u_ajaykumar7616@ccassignment2:~$ ls
u_ajaykumar7616@ccassignment2:~$ ls
hello.txt
u_ajaykumar7616@ccassignment2:~$ 
```

Transferred 1 item

hello.txt

5)

Create a VM instance

The screenshot shows the "Create an instance" wizard in the Google Cloud Platform console. The "New VM instance" tab is selected, with the name "ccassignment3" entered. The "Region" is set to "us-central1 (Iowa)" and the "Zone" is "us-central1-a". The "Machine configuration" section shows a "General purpose" machine series in preview, with options for "Compute-optimised", "Memory-optimised", "Storage optimised", and "GPUs". A table lists available machine types: C3, C3D, E2, N2, and N2D. The "CREATE" button is at the bottom.

New VM instance

Name * ccassignment3

Region * us-central1 (Iowa)

Zone * us-central1-a

Machine configuration

NEW: General-purpose machine series in Preview

| Series | Description | vCPUs | Memory | Platform |
|--------|--------------------------------|-----------|--------------|----------------------------|
| C3 | Consistently high performance | 4 - 176 | 8 - 1,408 GB | Intel Sapphire Rapids |
| C3D | Consistently high performance | 4 - 360 | 8 - 2,880 GB | AMD Genoa |
| E2 | Low-cost day-to-day computing | 0.25 - 32 | 1 - 128 GB | Based on availability |
| N2 | Balanced price and performance | 2 - 128 | 2 - 864 GB | Intel Cascade and Ice Lake |
| N2D | Balanced price and performance | 2 - 224 | 2 - 896 GB | AMD EPYC |

CREATE CANCEL EQUIVALENT CODE

Select a different region

The screenshot shows the Google Cloud Compute Instances Add screen. The 'Name' field is set to 'ccassignment3'. The 'Region' is 'northamerica-northeast1 (Montréal)' and the 'Zone' is 'northamerica-northeast1-a'. The 'Machine configuration' section shows the 'General purpose' tab selected, with the 'E2' series highlighted. Other options include C3, C3D, N2, and N2D. The monthly estimate is US\$28.03. A table at the bottom lists the configuration details.

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$26.93 |
| 10 GB balanced persistent disk | US\$1.10 |
| Total | US\$28.03 |

Click on Advanced option, we get option called Disks

The screenshot shows the Google Cloud Compute Instances Add screen with the 'Advanced options' section expanded. Under 'Networking', 'Disks', 'Security', 'Management', and 'Sole tenancy' are listed. The monthly estimate remains at US\$28.03. The table at the bottom shows the same configuration details as the previous screenshot.

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$26.93 |
| 10 GB balanced persistent disk | US\$1.10 |
| Total | US\$28.03 |

From that select Add New Disk option, and create a new disk.

The screenshot shows the 'Create an instance' wizard in the Google Cloud Platform console. On the left, there's a sidebar with options like 'New VM instance', 'New VM instance from template', 'New VM instance from machine image', and 'Marketplace'. The main area is titled 'Observability - Ups Agent' and includes sections for 'Advanced options', 'Networking', 'Disks', 'Security', 'Management', and 'Sole tenancy'. In the 'Disks' section, a 'New disk' is being added, with the name 'disk-1' and a size of '100 GB'. The 'Disk source type' is set to 'Blank disk' and the 'Disk type' is 'Balanced persistent disk'. A 'Snapshot schedule (Recommended)' dropdown is also present. At the bottom, there are 'CREATE', 'CANCEL', and 'EQUIVALENT CODE' buttons.

Now create option, you have created Backup with persistent disk.

This screenshot shows the final configuration screen for creating a VM instance. The left sidebar and main configuration sections are identical to the previous screenshot. On the right, there's a 'Monthly estimate' summary table:

| Item | Monthly estimate |
|---------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$26.93 |
| 100 GB balanced persistent disk | US\$11.00 |
| 10 GB balanced persistent disk | US\$1.10 |
| Total | US\$39.03 |

Below the table, there are links for 'Compute Engine pricing' and 'LESS'.

6)

Select a instance and click on the bootdisk storage.

The screenshot shows the Google Cloud Compute Engine interface for a VM instance named 'ccassignment3'. The left sidebar is collapsed. The main area displays the 'Storage' section under the 'Boot disk' heading. A table lists one disk entry:

| Name | Image | Interface type | Size (GB) | Device name | Type | Architecture | Encryption | Mode |
|---------------|------------------------------|----------------|-----------|---------------|--------------------------|--------------|----------------|------------------|
| ccassignment3 | debian-12-bookworm-v20240213 | SCSI | 10 | ccassignment3 | Balanced persistent disk | x86/64 | Google-managed | Boot, read/write |

Below this, the 'Local disks' section shows 'None'. The 'Additional disks' section also shows 'None'. At the bottom, there is a 'Security and access' section.

The click on the create snapshot option.

The screenshot shows the Google Cloud Compute Engine interface for managing a disk named 'ccassignment3'. The left sidebar is collapsed. The main area displays the 'Properties' section for the selected disk. The properties listed are:

- Type: Balanced persistent disk
- Size: 10 GB
- Architecture: x86/64
- Zone: northamerica-northeast1-a
- Labels: None
- In use by: ccassignment3
- Snapshot schedule: None
- Source image: debian-12-bookworm-v20240213
- Encryption type: Google-managed
- Consistency group: None

At the top of the main area, there are several buttons: CREATE INSTANCE, CREATE SNAPSHOT, CREATE IMAGE, CLONE DISK, and CREATE SECONDARY DISK. The 'CREATE SNAPSHOT' button is highlighted.

Then create a snapshot.

console.cloud.google.com/compute/snapshotsAdd?selfLink=projects%2Fpsyched-cab-413502%2Fzones%2Fnorthamerica-northeast1-a%2Fdisks%2Fccasignment3&project=psyched-cab-413502

Create a snapshot

Snapshots are backups of persistent disks. They're commonly used to recover, transfer or make data accessible to other resources in your project. [Learn more](#)

Name *
snapshot-1
Name is permanent

Description

Snapshot source type *
Disk

Source disk *
ccasignment3

Type *

- Snapshot
Standard backup and disaster recovery; stored in a separate location to your disk
- Instant snapshot
Rapid restoration; stored in the same location as your disk
- Archive snapshot
Long-term storage for infrequently accessed data; stored in a separate location to your disk

Location

CREATE **CANCEL** **EQUIVALENT CODE**

console.cloud.google.com/compute/snapshots?onCreateSnapshot=true&project=psyched-cab-413502

Snapshots **CREATE SNAPSHOT** **CREATE SNAPSHOT SCHEDULE** **REFRESH** **DELETE** **HIDE INFO PANEL** **LEARN**

Snapshots are backups of persistent disks. They're commonly used to recover, transfer or make data accessible to other resources in your project. [Learn more](#)

SNAPSHOTS **ARCHIVE SNAPSHOTS** **INSTANT SNAPSHOTS** **PREVIEW** **SNAPSHOT SCHEDULES**

Filter Enter property name or value

| Status | Name | Location | Snapshot size | Creation time | Creation type | Source disk |
|--------------------------|--|----------|---------------|------------------------------------|---------------|--------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> snapshot-1 | us | 641.62 MB | Feb 24, 2024, 4:46:29 pm UTC+05:30 | Manual | ccasignment3 |

Select a snapshot

PERMISSIONS **LABELS**

Please select at least one resource.

Now click on the create snapshot schedule option and schedule your snapshot.

← → ⌂ console.cloud.google.com/compute/snapshotSchedulePolicies/add?project=psyched-cab-413502

Google Cloud TYCS 2024 Search (/) for resources, docs, products and more Search EQUIVALENT CODE

Compute Engine Create a snapshot schedule

Virtual machines VM instances Instance templates Sole-tenant nodes Machine images TPUs Committed-use discounts Reservations Migrate to Virtual Machin...

Storage Disks Snapshots Marketplace Release notes

Name * schedule-1 Description

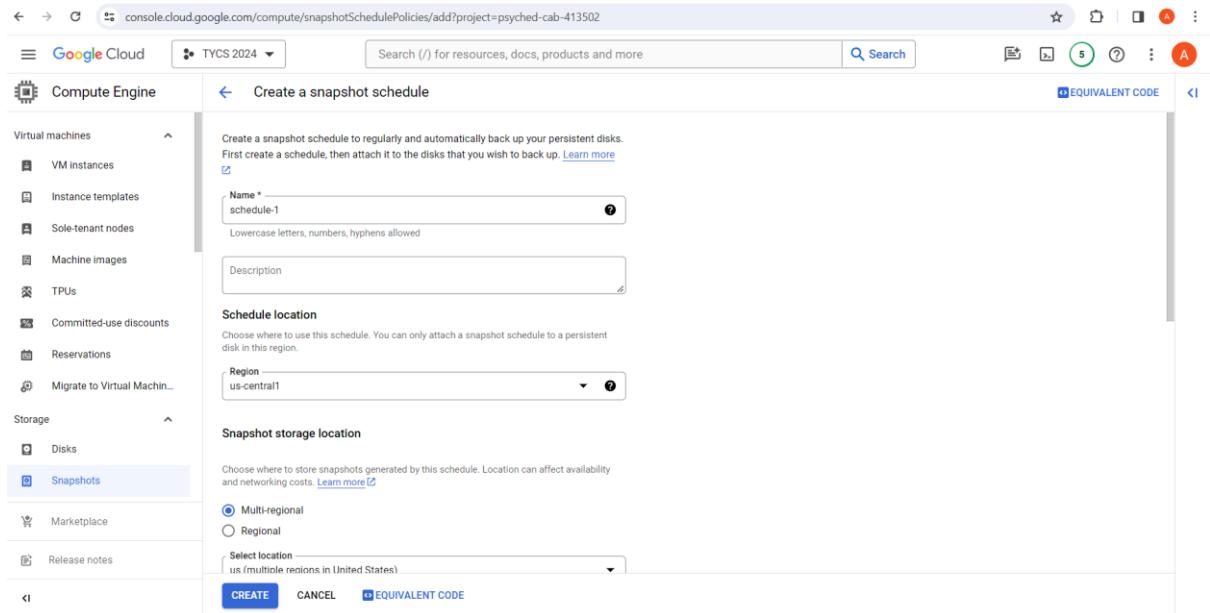
Schedule location Choose where to use this schedule. You can only attach a snapshot schedule to a persistent disk in this region.

Region us-central1

Snapshot storage location Choose where to store snapshots generated by this schedule. Location can affect availability and networking costs. Learn more

Multi-regional (selected) Regional Select location us (multiple regions in United States)

CREATE CANCEL EQUIVALENT CODE



← → ⌂ console.cloud.google.com/compute/snapshotSchedulePolicies/add?project=psyched-cab-413502

Google Cloud TYCS 2024 Search (/) for resources, docs, products and more Search EQUIVALENT CODE

Compute Engine Create a snapshot schedule

Virtual machines VM instances Instance templates Sole-tenant nodes Machine images TPUs Committed-use discounts Reservations Migrate to Virtual Machin...

Storage Disks Snapshots Marketplace Release notes

Multi-regional (selected) Regional Select location us (multiple regions in United States)

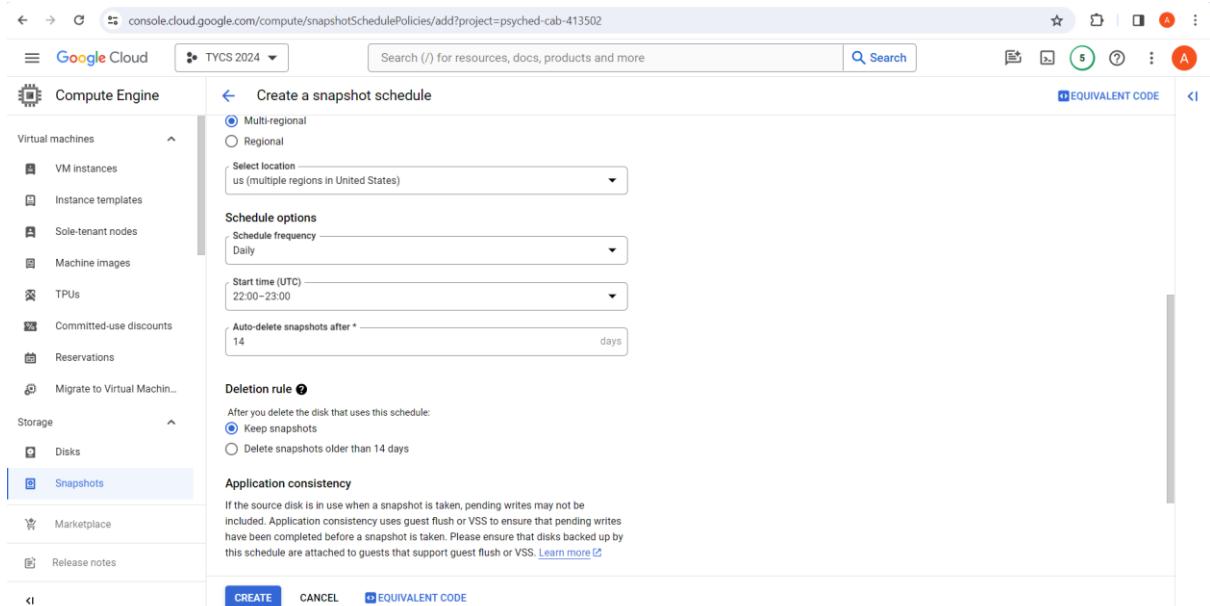
Schedule options Schedule frequency Daily Start time (UTC) 22:00-23:00 Auto-delete snapshots after * 14 days

Deletion rule After you delete the disk that uses this schedule:

Keep snapshots (selected) Delete snapshots older than 14 days

Application consistency If the source disk is in use when a snapshot is taken, pending writes may not be included. Application consistency uses guest flush or VSS to ensure that pending writes have been completed before a snapshot is taken. Please ensure that disks backed up by this schedule are attached to guests that support guest flush or VSS. Learn more

CREATE CANCEL EQUIVALENT CODE



You successfully created a schedule snapshot.

The screenshot shows the Google Cloud Compute Engine Snapshots interface. On the left sidebar, under Storage, the 'Schemas' option is selected. The main content area displays a table of snapshots. One row is highlighted with a green checkmark, indicating it is selected. A success message at the bottom right of the table area states 'Successfully created snapshot schedule schedule-1.' To the right of the main content, there is a sidebar titled 'Select a snapshot' with tabs for 'PERMISSIONS' and 'LABELS'. A message in the sidebar says 'Please select at least one resource.'

7)

Click on Snapshot option from the sidebar and select a snapshot from it.

This screenshot is identical to the one above, showing the Google Cloud Compute Engine Snapshots interface. The 'Schemas' option is selected in the sidebar. The main content area shows a table of snapshots with one row selected. The sidebar on the right is visible, showing the 'PERMISSIONS' tab and a message: 'Please select at least one resource.'

Then select the option create a disk and create a disk.

console.cloud.google.com/compute/snapshotsDetail/projects/psyched-cab-413502/global/snapshots/snapshot-1?project=psyched-cab-413502

Google Cloud TYCS 2024 Search (/) for resources, docs, products and more

Snapshot details EDIT CREATE INSTANCE CREATE DISK DELETE SNAPSHOT

Virtual machines VM instances Instance templates Sole-tenant nodes Machine Images TPUs Committed-use discounts Reservations Migrate to Virtual Machin...

Storage Disks Snapshots Marketplace Release notes

snapshot-1 Properties

| | |
|-----------------|------------------------------------|
| Source disk | ccassignment3 |
| Disk size | 10 GB |
| Snapshot size | 641.62 MB |
| Architecture | x86/64 |
| Snapshot type | Standard snapshot |
| Location | us (United States) |
| Labels | None |
| Creation date | Feb 24, 2024, 4:46:29 pm UTC+05:30 |
| Encryption type | Google-managed |

EQUIVALENT REST

Type here to search 1656 24-02-2024

console.cloud.google.com/compute/disksAdd?snapshotId=projects%2Fpsyched-cab-413502%2Fglobal%2Fsnapshots%2Fsnapshot-1&project=psyched-cab-413502

Google Cloud TYCS 2024 Search (/) for resources, docs, products and more

Create a disk EQUIVALENT CODE

Virtual machines VM Instances Instance templates Sole-tenant nodes Machine Images TPUs Committed-use discounts Reservations Migrate to Virtual Machin...

Storage Disks Snapshots Marketplace Release notes

Name * disk-3 Description

Pricing summary Your free trial credit will be used for this disk Google Cloud Free Tier

Location

Single zone

Regional Create a failover replica in the same region for high availability. Storage and data replication is provided between both zones. Learn more

Region * us-central1 (Iowa) Zone * us-central1-a

Source

Create a blank disk, apply a bootable disk image or restore a snapshot of another disk in this project.

Disk source type * Snapshot

Source snapshot * snapshot-1

CREATE CANCEL EQUIVALENT CODE

Now create a instance

console.cloud.google.com/compute/instancesAdd?project=psyched-cab-413502

Create an instance

New VM instance
Create a single VM instance from scratch

New VM instance from template
Create a single VM instance from an existing template

New VM instance from machine image
Create a single VM instance from an existing machine image

Marketplace
Deploy a ready-to-go solution onto a VM instance

Name * cassignment4

MANAGE TAGS AND LABELS

Region * us-central1 (Iowa) **Zone *** us-central1-a

Machine configuration

NEW: General-purpose machine series in Preview
Try the new N4 series, ideal for workloads that prioritize flexibility and cost-optimization

General purpose (selected), Compute-optimised, Memory-optimised, Storage optimised, NEW, GPUs

| Series | Description | vCPUs | Memory | Platform |
|--------|--------------------------------|-----------|--------------|----------------------------|
| C3 | Consistently high performance | 4 - 176 | 8 - 1,408 GB | Intel Sapphire Rapids |
| C3D | Consistently high performance | 4 - 360 | 8 - 2,880 GB | AMD Genoa |
| E2 | Low-cost day-to-day computing | 0.25 - 32 | 1 - 128 GB | Based on availability |
| N2 | Balanced price and performance | 2 - 128 | 2 - 864 GB | Intel Cascade and Ice Lake |
| N2D | Balanced price and performance | 2 - 224 | 2 - 896 GB | AMD EPYC |

CREATE, **CANCEL**, **EQUIVALENT CODE**

Monthly estimate
US\$25.46
That's about US\$0.03 hourly
Pay for what you use: No upfront costs and per-second billing

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$24.46 |
| 10 GB balanced persistent disk | US\$1.00 |
| Total | US\$25.46 |

[Compute Engine pricing](#), [LESS](#)

In Disks option, select attach existing disk and select the disk you have created.

console.cloud.google.com/compute/instancesAdd?project=psyched-cab-413502

Create an instance

New VM instance
Create a single VM instance from scratch

New VM instance from template
Create a single VM instance from an existing template

New VM instance from machine image
Create a single VM instance from an existing machine image

Marketplace
Deploy a ready-to-go solution onto a VM instance

Observability – Ops Agent
Monitor your system through collection of logs and key metrics.
 Install Ops Agent for monitoring and logging

Advanced options

Networking
Hostname and network interfaces

Disks
Additional disks

+ ADD NEW DISK, **+ ATTACH EXISTING DISK**, **+ ADD LOCAL SSD**

Security
Shielded VM and SSH keys

Management
Description, deletion protection, reservations and automation

Sole tenancy
Node affinity labels and CPU overcommit

CREATE, **CANCEL**, **EQUIVALENT CODE**

Monthly estimate
US\$25.46
That's about US\$0.03 hourly
Pay for what you use: No upfront costs and per-second billing

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$24.46 |
| 10 GB balanced persistent disk | US\$1.00 |
| Total | US\$25.46 |

[Compute Engine pricing](#), [LESS](#)

Observability – Ops Agent

Monitor your system through collection of logs and key metrics.

Install Ops Agent for monitoring and logging

Advanced options

Networking

Disks

+ ADD NEW DISK + ATTACH EXISTING DISK + ADD LOCAL SSD

Security

Management

Sole tenancy

CREATE CANCEL EQUIVALENT CODE

Existing disk

Disk * disk-3

Attachment settings

Mode

Disk attachment mode

Read/write

Read-only

Deletion rule

When deleting Instance

Keep disk

Delete disk

Device name

Used to reference the device for mounting or resizing.

Use a custom device name

Device name disk-3

Based on disk name (default)

SAVE CANCEL

Observability – Ops Agent

Monitor your system through collection of logs and key metrics.

Install Ops Agent for monitoring and logging

Advanced options

Networking

Disks

Existing disk disk-3

+ ADD NEW DISK + ATTACH EXISTING DISK + ADD LOCAL SSD

Security

Management

Sole tenancy

CREATE CANCEL EQUIVALENT CODE

Monthly estimate

US\$25.46

That's about US\$0.03 hourly

Pay for what you use: No upfront costs and per-second billing

| Item | Monthly estimate |
|--------------------------------|------------------|
| 2 vCPU + 4 GB memory | US\$24.46 |
| 10 GB balanced persistent disk | US\$1.00 |
| Total | US\$25.46 |

[Compute Engine pricing](#)

[LESS](#)

After creating it, start the VM instance, your session is restored here.

The screenshot shows the Google Cloud Compute Engine VM Instances page. On the left sidebar, under 'Virtual machines', 'VM instances' is selected. The main area displays a table of VM instances with columns: Status, Name, Zone, Recommendations, In use by, Internal IP, External IP, and Connect. The table lists several VMs, including 'ajayinstance', 'ccassignment', 'ccassignment3', 'ccassignment2', 'ccassignment4', and 'wininstance'. The 'ccassignment4' row shows 'In use by' as 'ccassignment4'. Below the table, there is a section titled 'Related actions' with links to 'Explore Backup and DR', 'View billing report', 'Monitor VMs', 'Set up firewall rules', 'Patch management', and 'Load balance between VMs'.

8)

Select the Disk option from the sidebar and select the ccassignment4 disk

The screenshot shows the Google Cloud Compute Engine Disks page. On the left sidebar, under 'Storage', 'Disks' is selected. The main area displays a table of disks with columns: Status, Name, Type, Size, Architecture, Zone(s), In use by, Snapshot schedule, and Actions. The table lists several disks, including 'ajayinstance', 'ccassignment', 'ccassignment3', 'ccassignment2', 'ccassignment4', 'disk-1', 'disk-3', and 'wininstance'. The 'ccassignment4' row shows 'In use by' as 'ccassignment4'. Below the table, there is a section titled 'OPERATIONS' with a 'SHOW INFO PANEL' button.

You will see that the disk is in use by ccassignment4

Properties

| | |
|-------------------|--------------------------|
| Type | Balanced persistent disk |
| Size | 10 GB |
| Architecture | x86/64 |
| Zone | us-central1-a |
| Labels | None |
| In use by | ccassignment4 |
| Snapshot schedule | schedule-1 |
| Source snapshot | snapshot-1 |
| Encryption type | Google-managed |
| Consistency group | None |

EQUIVALENT REST

Now go to that ccassignment4 instance you will see there is Boot disk ccassignment4

Storage

Boot disk

| Name | Image | Interface type | Size (GB) | Device name | Type | Architecture | Encryption | Mode |
|---------------|------------------------------|----------------|-----------|---------------|--------------------------|--------------|----------------|------------------|
| ccassignment4 | debian-12-bookworm-v20240213 | SCSI | 10 | ccassignment4 | Balanced persistent disk | x86/64 | Google-managed | Boot, read/write |

Local disks

None

Additional disks

| Name | Image | Interface type | Size (GB) | Device name | Type | Architecture | Encryption | Mode | Wk |
|--------|-------|----------------|-----------|-------------|--------------------------|--------------|----------------|------------|----|
| disk-3 | - | SCSI | 10 | disk-3 | Balanced persistent disk | x86/64 | Google-managed | Read/write | Ke |

Delete the ccassignment4 instance.

The screenshot shows the Google Cloud Compute Engine VM instances page. On the left sidebar, under 'Virtual machines', 'VM Instances' is selected. In the main table, there are seven VM instances listed. The 'ccassignment4' instance is highlighted with a red border. A context menu is open over this instance, showing options like 'Start/Resume', 'Stop', 'Suspend', 'Reset', 'Delete', 'View network details', 'Create new machine image', 'View logs', and 'View monitoring'. The 'Delete' option is highlighted.

| Status | Name | Zone | Recommendations | In use by | Internal IP | External IP | Connect |
|--------|---------------|---------------------------|-----------------|-----------|-------------------|----------------------|---------|
| Up | ajayinstance | us-central1-c | | | 10.128.0.2 (nic0) | | SSH |
| Up | ccassignment | us-central1-a | | | 10.128.0.4 (nic0) | | RDP |
| Up | ccassignment3 | northamerica-northeast1-a | | | 10.162.0.2 (nic0) | 34.95.22.184 (nic0) | SSH |
| Up | ccassignment2 | us-central1-a | | | 10.128.0.5 (nic0) | 35.226.167.25 (nic0) | SSH |
| Up | ccassignment4 | us-central1-a | | | 10.128.0.6 (nic0) | 34.68.197.56 (nic0) | SSH |
| Up | wininstance | us-central1-a | | | 10.128.0.3 (nic0) | | SSH |

The screenshot shows the same Google Cloud Compute Engine VM instances page. The 'ccassignment4' instance is still selected. A confirmation dialog box is overlaid on the page, asking 'Are you sure that you want to delete instance ccassignment4? (This will also delete boot disk "ccassignment4")'. At the bottom of the dialog are 'CANCEL' and 'DELETE' buttons. The rest of the interface is dimmed.

Ccassignment4 is successfully deleted.

| Disks | | | | | | | | | | | | |
|--------------------------|-------------------------------------|---|--|---------------------------------------|--------------|---------------------------|---|-------------------|--|--|--|--|
| | | <input type="button" value="CREATE DISK"/> | <input type="button" value="REFRESH"/> | <input type="button" value="DELETE"/> | OPERATIONS | | | | | | | |
| | | Search (/) for resources, docs, products and more | | | | | | | | | | |
| Virtual machines | | | | | | | | | | | | |
| <input type="checkbox"/> | Status | Name <input type="button" value="↑"/> | Type | Size | Architecture | Zone(s) | In use by | Snapshot schedule | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ajayinstance | Balanced persistent disk | 10 GB | x86/64 | us-central1-c | ajayinstance | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ccassignment | Balanced persistent disk | 50 GB | x86/64 | us-central1-a | ccassignment | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ccassignment3 | Balanced persistent disk | 10 GB | x86/64 | northamerica-northeast1-a | ccassignment3 | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ccassignment2 | Balanced persistent disk | 10 GB | x86/64 | us-central1-a | ccassignment2 | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | disk-1 | Balanced persistent disk | 100 GB | — | northamerica-northeast1-a | ccassignment3 | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | disk-3 | Balanced persistent disk | 10 GB | x86/64 | us-central1-a | <input type="button" value="schedule-1"/> | None | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | wininstance | Balanced persistent disk | 50 GB | x86/64 | us-central1-a | wininstance | None | | | | |

Now create a disk to restore the session of ccassignment4

| Create a disk | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| <input type="text" value="disk-restore"/> ? | | Pricing summary Your free trial credit will be used for this disk. Google Cloud Free Tier | | | | | | |
| Name * <input type="text" value="disk-restore"/> ? | | Description <input type="text"/> | | | | | | |
| Location <input checked="" type="radio"/> Single zone <input type="radio"/> Regional <small>Create a failover replica in the same region for high availability. Storage and data replication is provided between both zones. Learn more</small> | | Region * <input type="text" value="us-central1 (Iowa)"/> ? Zone * <input type="text" value="us-central1-a"/> ? | | | | | | |
| Source <small>Create a blank disk, apply a bootable disk image or restore a snapshot of another disk in this project.</small> | | Disk source type * <input type="text" value="Blank disk"/> ? | | | | | | |
| Disk settings Disk type * <input type="text" value="Balanced persistent disk"/> ? | | | | | | | | |
| <input type="button" value="CREATE"/> <input type="button" value="CANCEL"/> <input type="button" value="EQUIVALENT CODE"/> | | | | | | | | |

Select the Disk source type as Snapshot, and select the snapshot1.

console.cloud.google.com/compute/disksAdd?project=psyched-cab-413502

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Create a disk

Location

Single zone
 Regional
 Create a failover replica in the same region for high availability. Storage and data replication is provided between both zones. [Learn more](#)

Region * us-central1 (Iowa) Zone * us-central1-a

Pricing summary
 Your free trial credit will be used for this disk. [Google Cloud Free Tier](#)

Source
 Create a blank disk, apply a bootable disk image or restore a snapshot of another disk in this project.

Disk source type * Snapshot
 Source snapshot * snapshot-1

Disk settings

Disk type * Balanced persistent disk
 COMPARISON DISK TYPES

Size * 10 GB Provision between 10 and 65,536 GB

CREATE CANCEL EQUIVALENT CODE

You have successfully restored a disk from the snapshot.

console.cloud.google.com/compute/disks?onCreateDisk=true&project=psyched-cab-413502

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Compute Engine Disks CREATE DISK REFRESH DELETE OPERATIONS LEARN SHOW INFO PANEL

Virtual machines

- VM instances
- Instance templates
- Sole-tenant nodes
- Machine images
- TPUs
- Committed-use discounts
- Reservations
- Migrate to Virtual Machine

Storage

- Disks**
- Snapshots
- Marketplace

Release notes

Disks

| Filter: Enter property name or value | | | | | | | | | |
|--------------------------------------|---------------|--------------------------|--------|--------------|---------------------------|---------------|-------------------|---------|--|
| Status | Name | Type | Size | Architecture | Zone(s) | In use by | Snapshot schedule | Actions | |
| OK | ajayinstance | Balanced persistent disk | 10 GB | x86/64 | us-central1-c | ajayinstance | None | ⋮ | |
| OK | ccassignment | Balanced persistent disk | 50 GB | x86/64 | us-central1-a | ccassignment | None | ⋮ | |
| OK | ccassignment3 | Balanced persistent disk | 10 GB | x86/64 | northamerica-northeast1-a | ccassignment3 | None | ⋮ | |
| OK | ccassignment2 | Balanced persistent disk | 10 GB | x86/64 | us-central1-a | ccassignment2 | None | ⋮ | |
| OK | disk-1 | Balanced persistent disk | 100 GB | — | northamerica-northeast1-a | ccassignment3 | None | ⋮ | |
| OK | disk-3 | Balanced persistent disk | 10 GB | x86/64 | us-central1-a | | schedule-1 | ⋮ | |
| OK | disk-restore | Balanced persistent disk | 10 GB | x86/64 | us-central1-a | | schedule-1 | ⋮ | |
| OK | wininstance | Balanced persistent disk | 50 GB | x86/64 | us-central1-a | wininstance | None | ⋮ | |

Successfully created disk disk-restore. X

console.cloud.google.com/compute/disksDetail/zones/us-central1-a/disks/disk-restore?project=psyched-cab-413502

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Compute Engine Manage disk CREATE INSTANCE CREATE SNAPSHOT CREATE IMAGE CLONE DISK CREATE SECONDARY DISK OPERATIONS

disk-restore

DETAILS MONITORING

Properties

| | |
|-----------------------|----------------------------|
| Type | Balanced persistent disk |
| Size <small>?</small> | 10 GB |
| Architecture | x86/64 |
| Zone | us-central1-a |
| Labels | None |
| In use by | None |
| Snapshot schedule | schedule-1 |
| Source snapshot | snapshot-1 |
| Encryption type | Google-managed |
| Consistency group | None |

EQUIVALENT REST

Disks Snapshots