

How to Create a Debian Instance Template in Google Cloud

1 Navigate to console.cloud.google.com/compute/instances?ref=...

2 Click "Instance templates"

Google Cloud My First Project Search (/) for resource

Compute Engine CREATE INSTANCE IMPORT VM REFRESH

Virtual machines

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

Storage

ABILITY INSTANCE SCHEDULES

or value

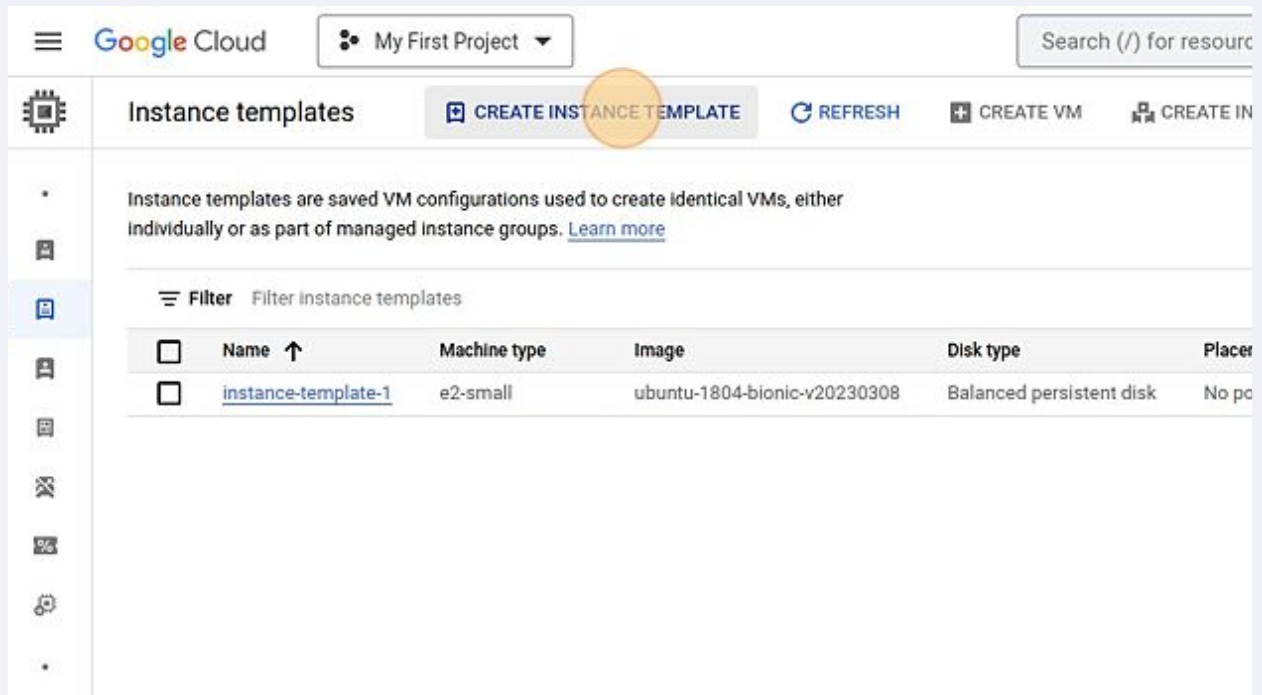
↑	Zone	Recommendations	In use by	Internal IP	External I
ice-1	asia-south1-c			192.168.0.5 (nic0)	34.100.2
	asia-south2-a			10.190.0.2 (nic0)	

and DR **NEW** up disaster

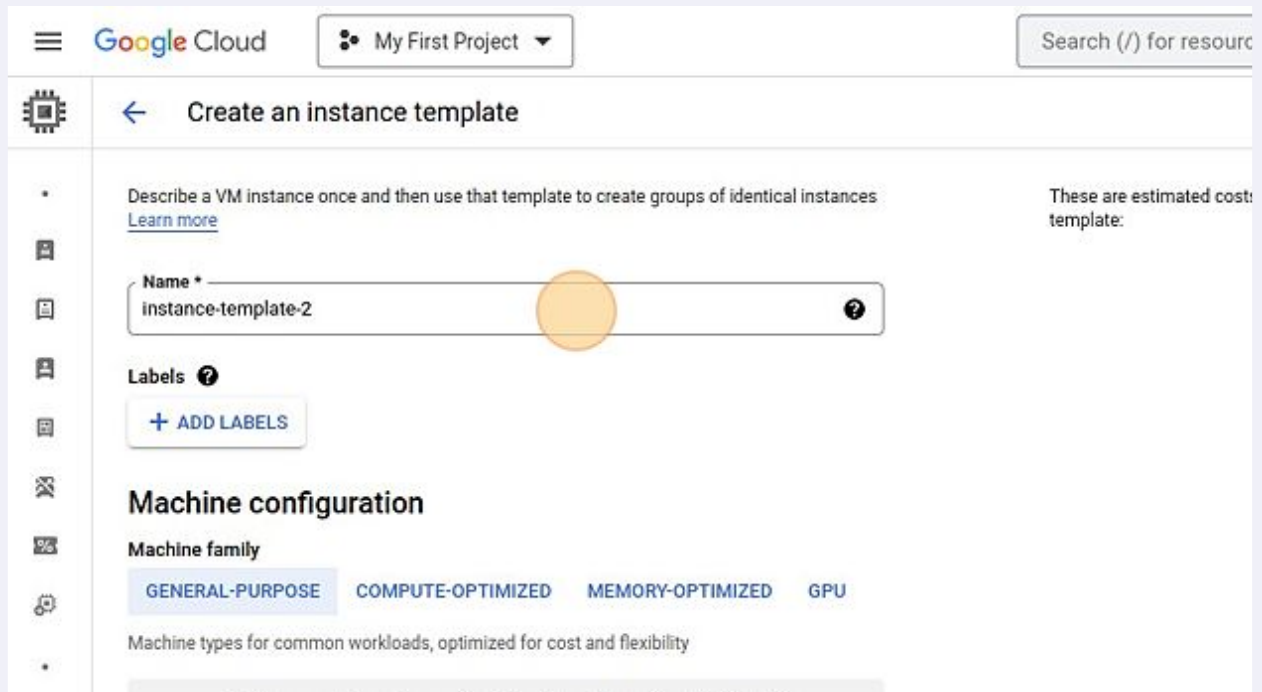
View billing report
View and manage your Compute Engine billing

Monitor VMs
View outlier VMs across metr and network

3 Click "CREATE INSTANCE TEMPLATE"



4 Click the "Name" field.



5 Type "[Backspace] debian"

6 Switch to tab "GCP Assignments - Google Docs"

7 Click "e2-medium (2 vCPU, 4 GB memory)"

The screenshot displays the Google Cloud Platform console's VM configuration page. The 'GENERAL-PURPOSE' tab is selected, showing machine types for common workloads. A notification banner promotes the new C3 machine series. The 'Series' dropdown is set to 'E2', and the 'Machine type' dropdown is set to 'e2-medium (2 vCPU, 4 GB memory)', which is highlighted with an orange circle. Below the dropdowns, a table shows the specifications for the selected machine type: 1-2 vCPU (1 shared core) and 4 GB of memory. The 'Display device' section is visible at the bottom, with an option to 'Enable display device'.

Machine types for common workloads, optimized for cost and flexibility

Try the new C3 machine series. There's no charge for C3 VMs during public preview.

Series: E2
CPU platform selection based on availability

Machine type: e2-medium (2 vCPU, 4 GB memory)

	vCPU	Memory
	1-2 vCPU (1 shared core)	4 GB

✓ CPU PLATFORM AND GPU

Display device
Enable to use screen capturing and recording tools.

☐ Enable display device

Monthly estimate
\$25.46
That's about \$0.03 hourly
Pay for what you use; no upfront costs

Item
2 vCPU + 4 GB memory
10 GB balanced persistent disk
Total

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

8 Click here.

The screenshot shows the Google Cloud Platform VM configuration page. The 'Series' dropdown is set to 'E2'. Below it, the 'Machine type' dropdown is open, showing three options: 'e2-micro' (0.25-2 vCPU (1 shared core), 1 GB memory), 'e2-small' (0.5-2 vCPU (1 shared core), 2 GB memory), and 'e2-medium' (1-2 vCPU (1 shared core), 4 GB memory). The 'e2-medium' option is highlighted. To the right, a pricing table shows '2 vCPU + 4 GB mem' and '10 GB balanced persi'. Below the pricing table, there is a link to 'Compute Engine pricing' and a button labeled 'LESS'.

Item
2 vCPU + 4 GB mem
10 GB balanced persi
Total

[Compute Engine pricing](#)

[LESS](#)

9 Click "CHANGE"

The screenshot shows the Google Cloud Platform VM configuration page. The 'Boot disk' section is highlighted. It shows a table with the following information:

Name	Type	Size	License type	Image
instance-template-debian	New balanced persistent disk	10 GB	Free	Debian GNU/Linux 11 (bullseye)

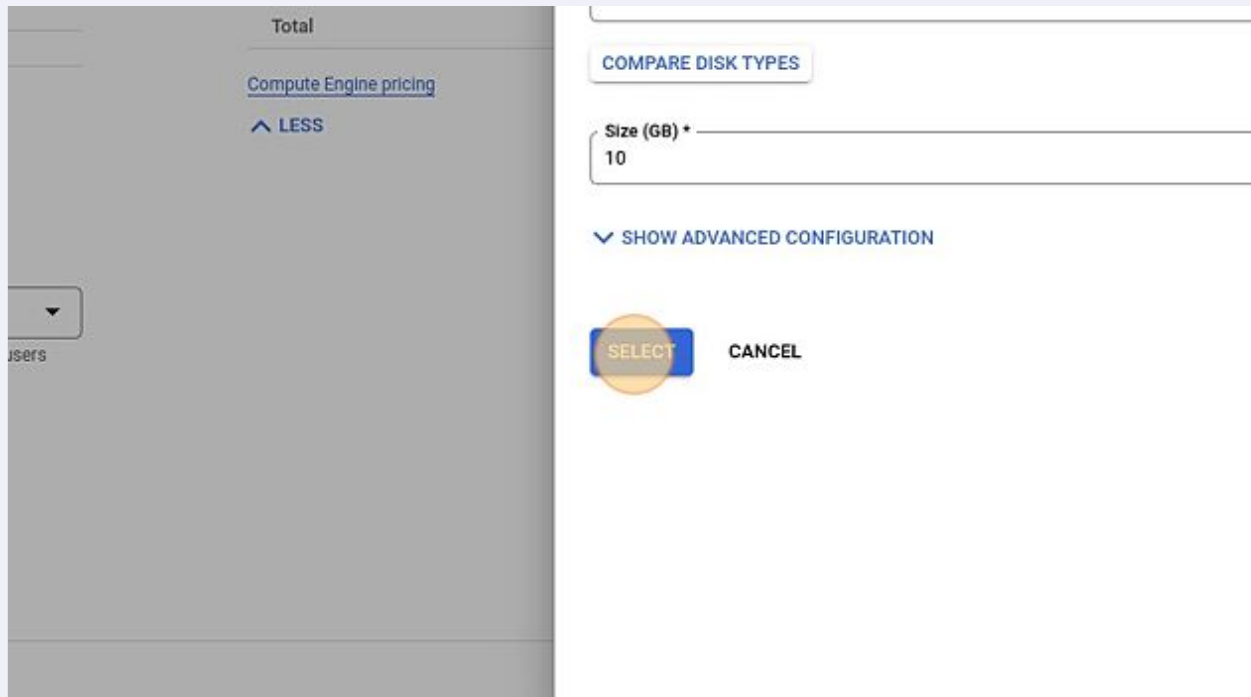
Below the table, there is a button labeled 'CHANGE'. To the right, a pricing table shows '2 vCPU + 1 GB mem' and '10 GB balanced persi'. Below the pricing table, there is a link to 'Compute Engine pricing' and a button labeled 'LESS'.

Item
2 vCPU + 1 GB mem
10 GB balanced persi
Total

[Compute Engine pricing](#)

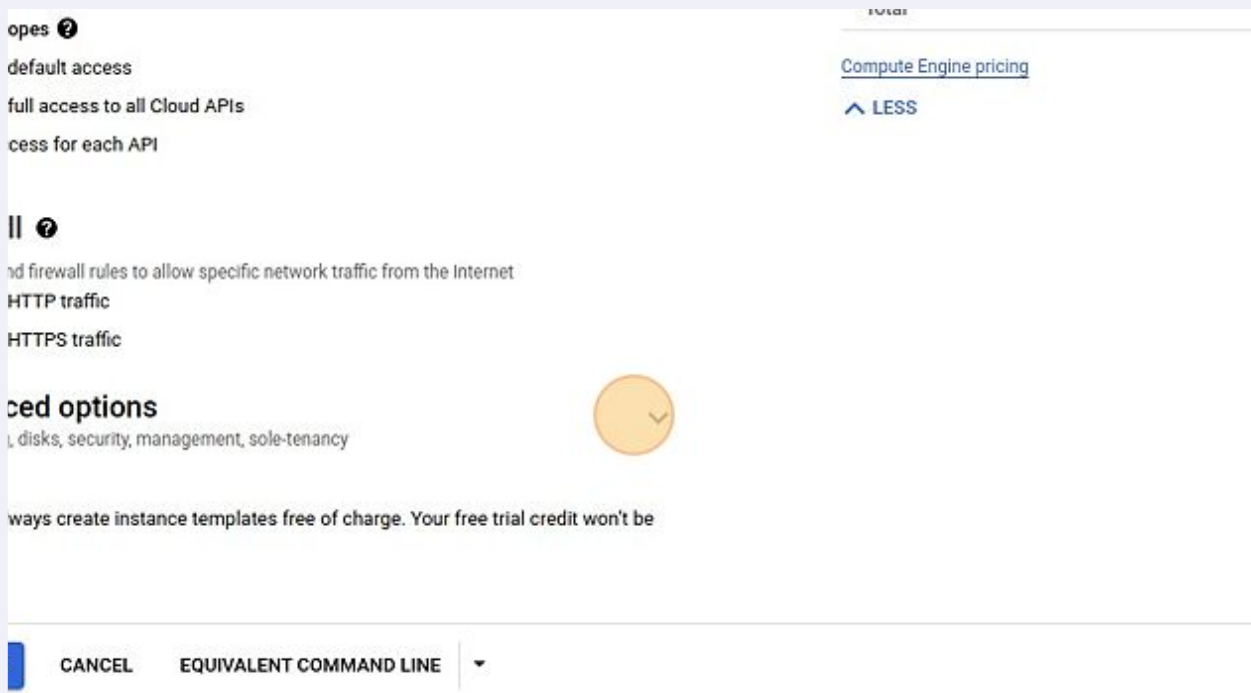
[LESS](#)

10 Click "SELECT"



The screenshot shows a configuration window for a Google Cloud instance. On the left, a sidebar contains a 'Total' section with a link to 'Compute Engine pricing' and an expandable 'LESS' section. The main area on the right is titled 'COMPARE DISK TYPES'. It features a 'Size (GB) *' input field with the value '10'. Below this is a 'SHOW ADVANCED CONFIGURATION' link with a downward arrow. At the bottom of the main area are two buttons: a blue 'SELECT' button and a grey 'CANCEL' button.

11 Click here.



The screenshot shows a configuration window for a Google Cloud instance. On the left, a sidebar contains a 'Total' section with a link to 'Compute Engine pricing' and an expandable 'LESS' section. The main area on the right is titled 'COMPARE DISK TYPES'. It features a 'Size (GB) *' input field with the value '10'. Below this is a 'SHOW ADVANCED CONFIGURATION' link with a downward arrow. At the bottom of the main area are two buttons: a blue 'SELECT' button and a grey 'CANCEL' button.

12 Click this icon.

Create an instance template

?

firewall rules to allow specific network traffic from the Internet

HTTP traffic

HTTPS traffic

Advanced options

Networking

Additional network interfaces

Disks

Shielded VM and SSH keys

These are estimated costs for a VM instance created using this template:

Monthly estimate

\$7.11

That's about \$0.01 hourly

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

Item	Monthly estimate
2 vCPU + 1 GB memory	\$
10 GB balanced persistent disk	\$
Total	\$

[Compute Engine pricing](#)

[^ LESS](#)

13 Click here.

Network bandwidth **?**

☐ Enable per VM Tier_1 networking performance




Maximum outbound network bandwidth: 1Gbps

VM to Public IP: 1Gbps

Network interfaces

?

Network interface is permanent

default		 
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[ADD NETWORK INTERFACE](#)

Disks

Additional disks

Security

Shielded VM and SSH keys

template:

Monthly estimate

\$7.11

That's about \$0.01 hourly

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

Item	Monthly estimate
2 vCPU + 1 GB memory	\$
10 GB balanced persistent disk	\$
Total	\$

[Compute Engine pricing](#)

[^ LESS](#)

14 Click here.

Maximum outbound network bandwidth: 1Gbps
VM to Public IP: 1Gbps

Network interfaces ?

Network interface is permanent

Edit network interface

Network *
default

Subnetwork *
Auto subnet

IP stack type

☒ IPv4 (single-stack)
☐ IPv4 and IPv6 (dual-stack)

Alias IP ranges

+ ADD IP RANGE

Toggle item "default"

That's about \$0.01 hour

Pay for what you use: no u

Item
2 vCPU + 1 GB memc
10 GB balanced persi
Total

[Compute Engine pricing](#)

[^ LESS](#)

15 Click "default"

Network interfaces ?

Network interface is permanent

Edit network interface

Network *
Filter |Type to filter
default

IF vpc1

☒ IPv4 (single-stack)
☐ IPv4 and IPv6 (dual-stack)

Alias IP ranges

+ ADD IP RANGE

External IPv4 address
Ephemeral

2 vCPU + 1 GB memc

10 GB balanced persi

Total

[Compute Engine pricing](#)

[^ LESS](#)

16 Click here.

Network interfaces ?

Network interface is permanent

Edit network interface ^

Network *
default

Subnetwork *
Auto subnet

IP stack type
☒ IPv4 (single-stack)
☐ IPv4 and IPv6 (dual-stack)

Alias IP ranges
[+ ADD IP RANGE](#)

External IPv4 address
Ephemeral

Item
2 vCPU + 1 GB memc
10 GB balanced persi
Total

[Compute Engine pricing](#)

[^ LESS](#)

17 Click here.

Edit network interface ^

Network *
default

Subnetwork *
Filter Type to filter

Auto subnet
Use appropriate auto subnet in this network

default (us-central1)
IPv4 (10.128.0.0/20)

default (europe-west1)
IPv4 (10.132.0.0/20)

default (us-west1)
IPv4 (10.138.0.0/20)

default (asia-east1)
IPv4 (10.140.0.0/20)

Item
Total

[Compute Engine pricing](#)

[^ LESS](#)

18 Click "CREATE"

The screenshot shows the Google Cloud Platform console interface. On the left, there is a sidebar with various icons. The main content area is titled 'DISKS' and shows 'Additional disks'. Below this, there are sections for 'Security' (Shielded VM and SSH keys), 'Management' (Description, deletion protection, reservations, automation, and availability policies), and 'Sole-tenancy' (Node affinity labels and CPU overcommit). At the bottom, there is a message: 'You can always create instance templates free of charge. Your free trial credit won't be used.' A red circle highlights the 'CREATE' button in the bottom left corner. To the right of the 'CREATE' button are 'CANCEL' and 'EQUIVALENT COMMAND LINE' buttons. In the top right corner, there is a link to 'Compute Engine pricing' and a 'LESS' button.