# Create your VM on Google Cloud

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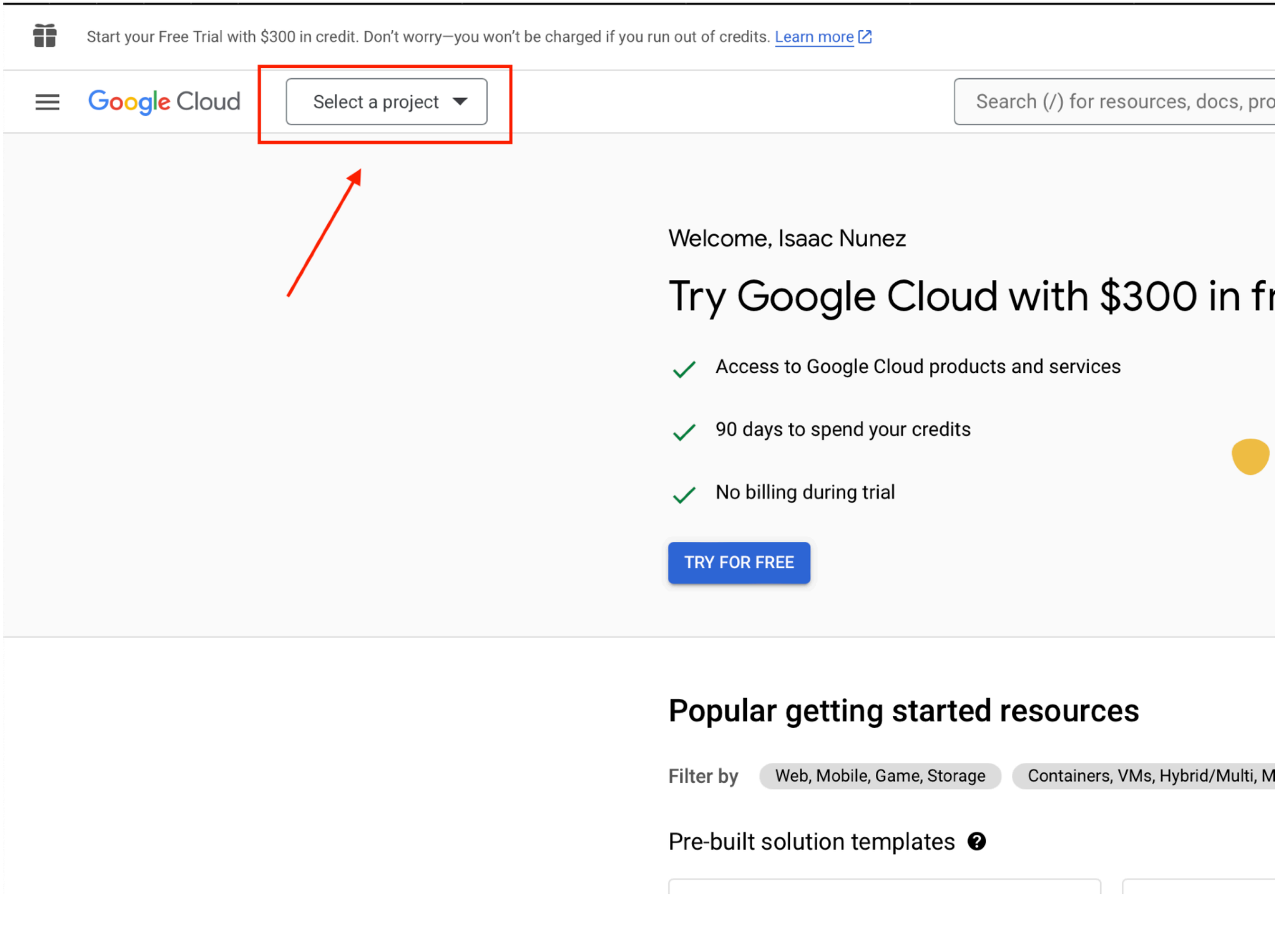
# Step 1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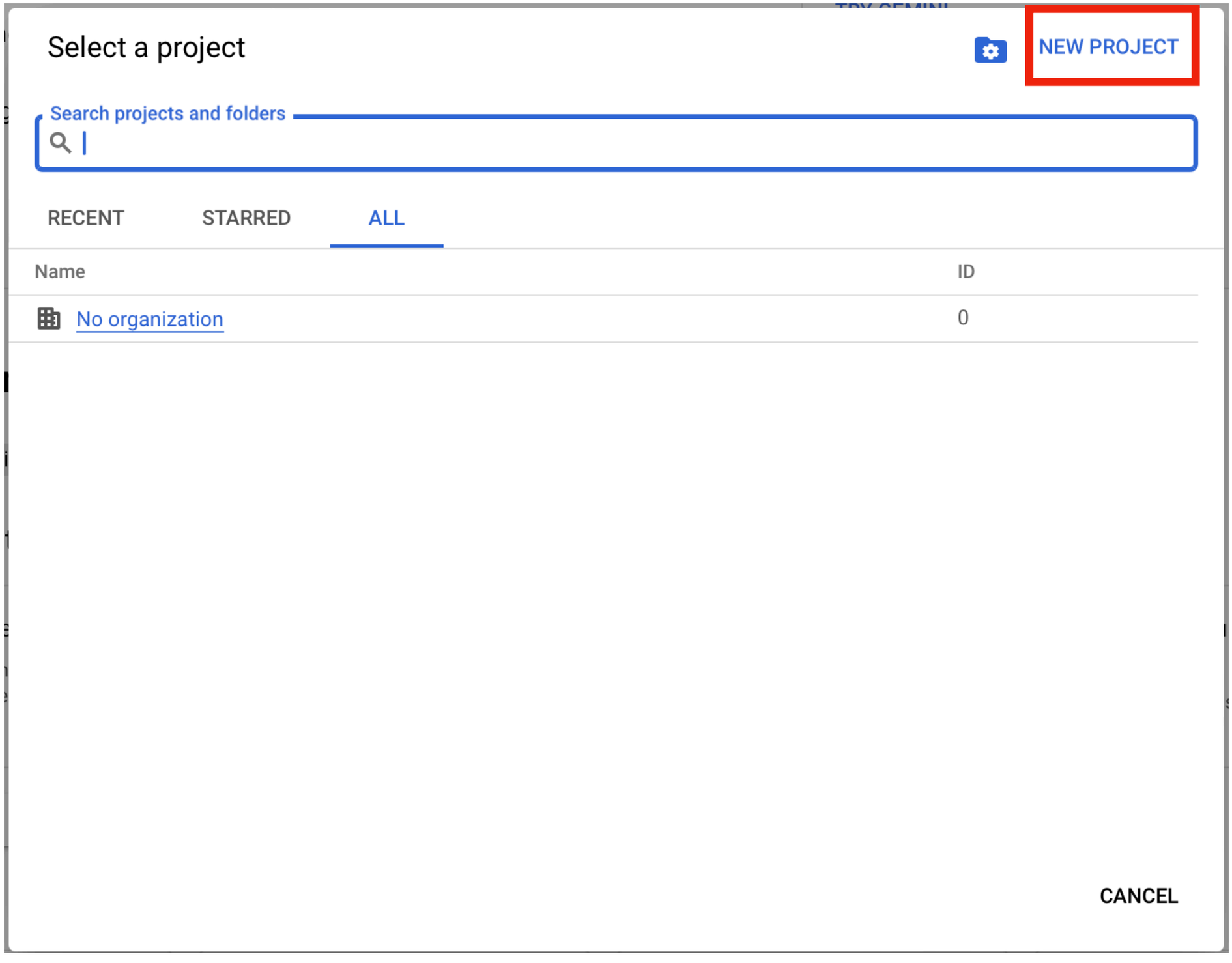
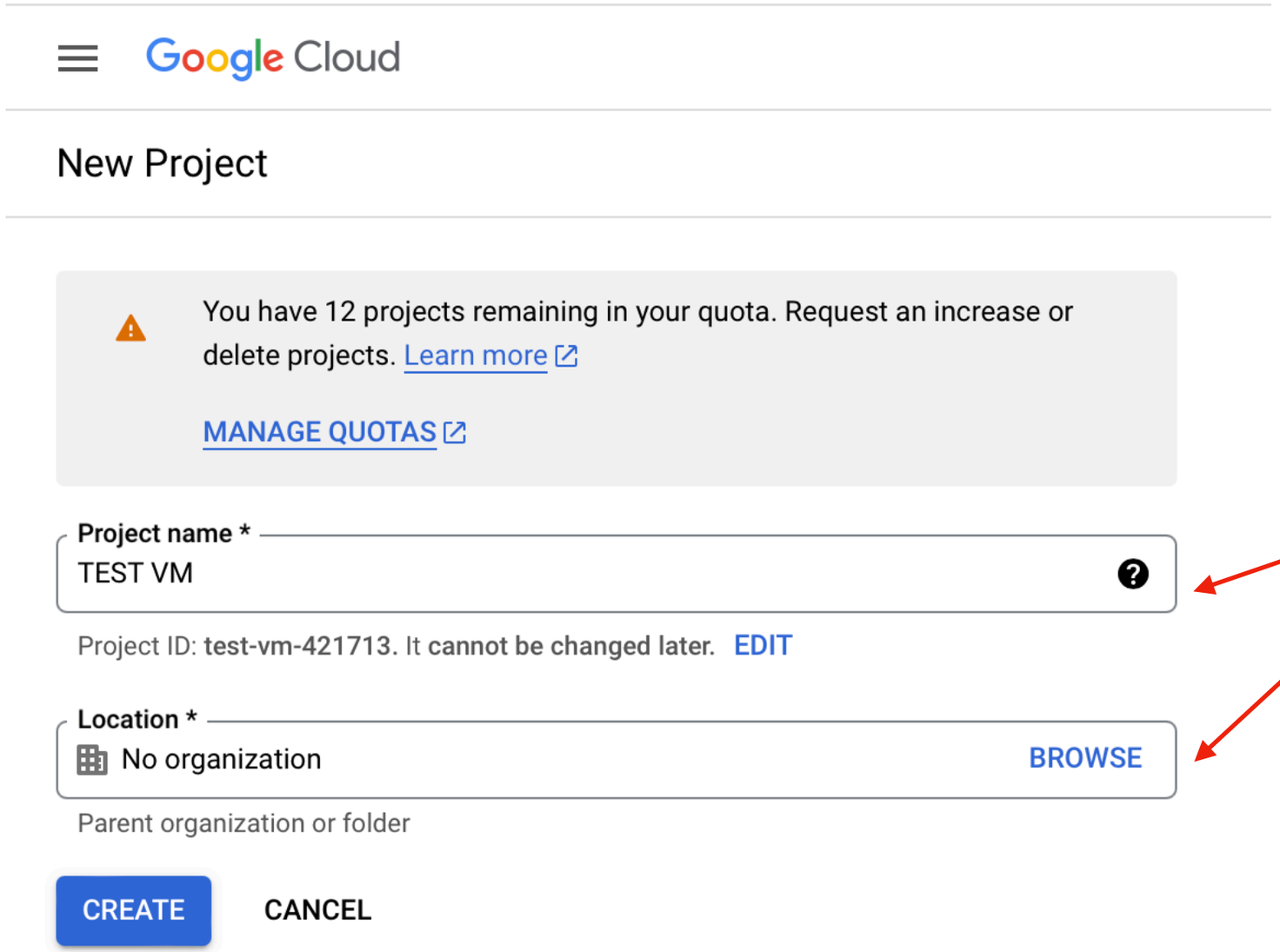
Pre-built solution templates

# Step 2


Select a project
NEW PROJECT
Search projects and folders
RECENT
STARRED
ALL
Name
ID
No organization
0
CANCEL

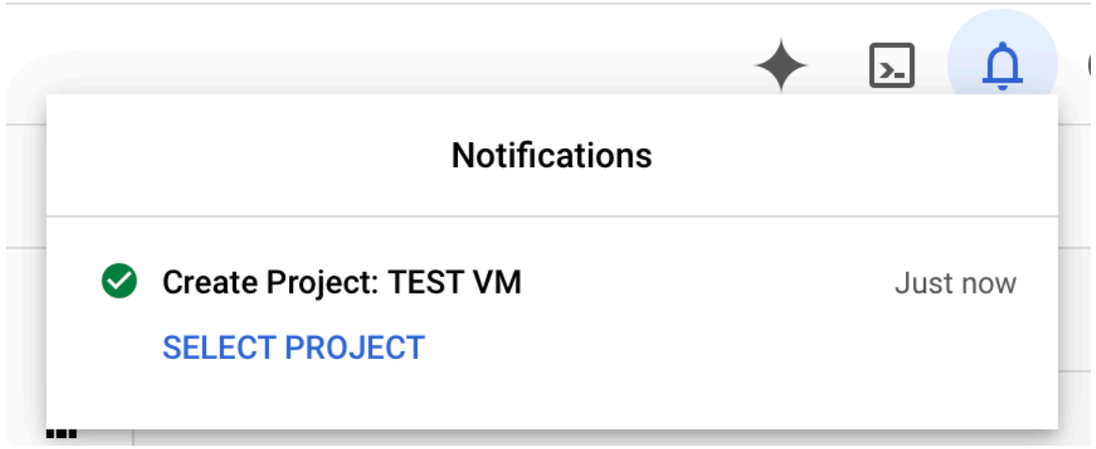
# Step 3




Give it a name and place it on the default organization.
You can create another organization if you want.

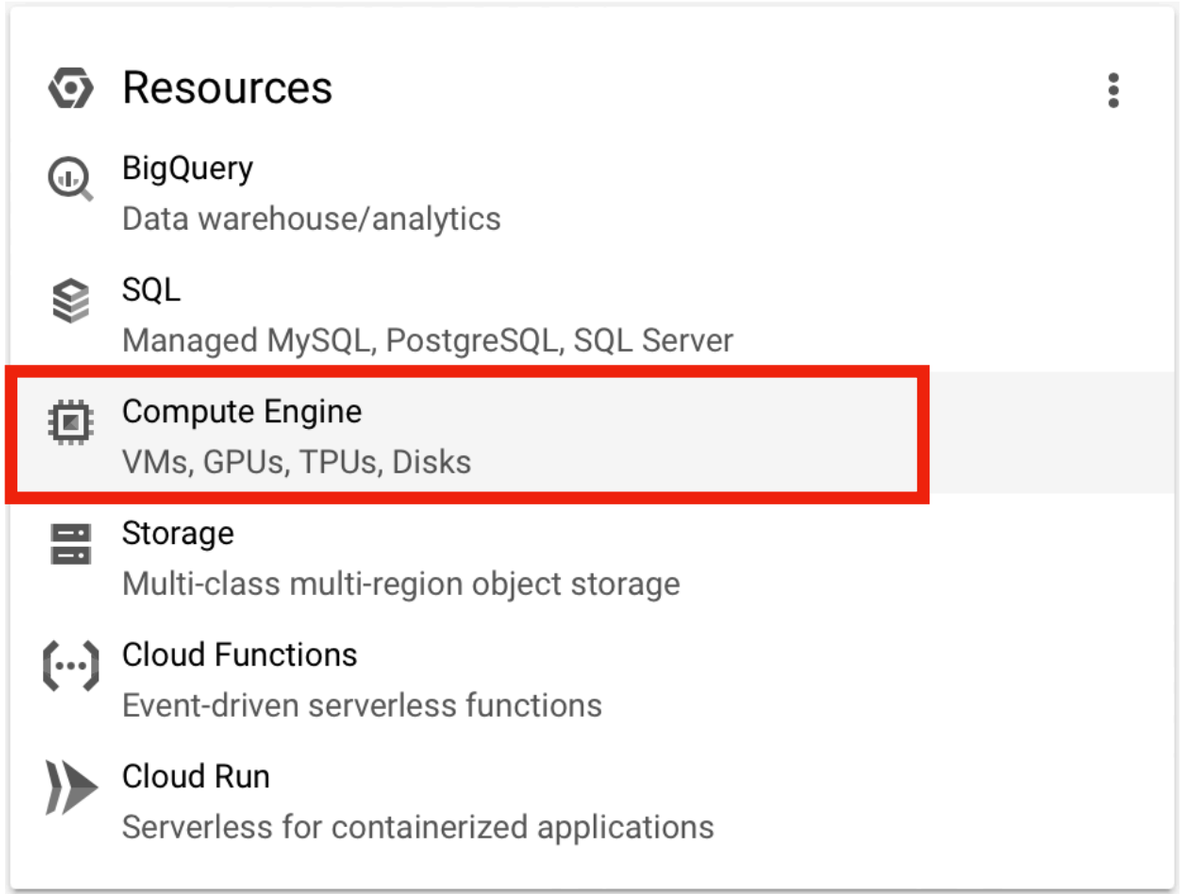
# Step 4

- On the top-right corner, you will see the status of your project



# Step 5

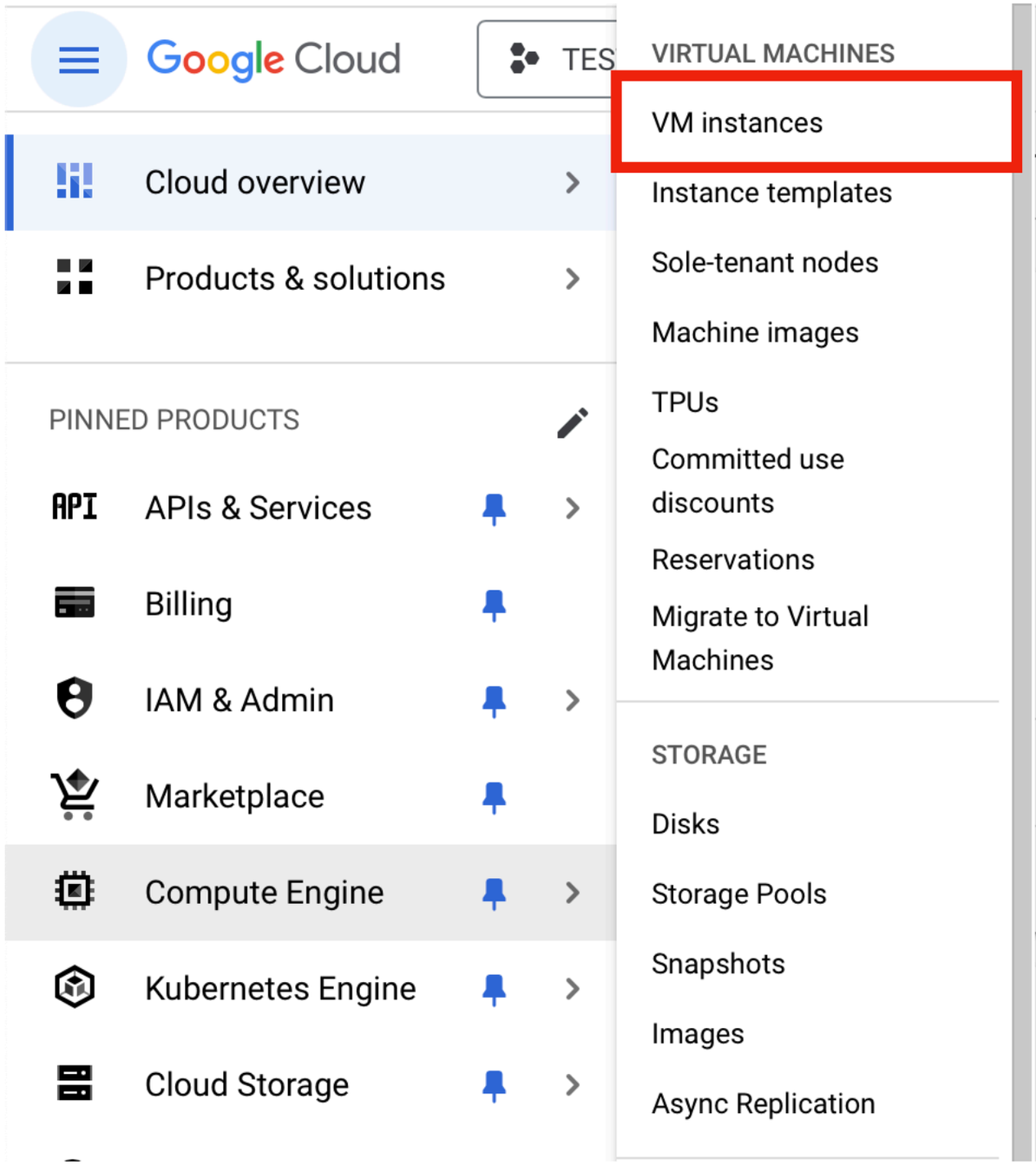
- Select your project, and select the *Compute Engine*




- For the view of Compute Engine, Enable it.
  - It will take a few minutes for it to be ready. If after 5 min is not ready, reload the page.

# Step 6

- Once it is enabled, open the hamburger menu located at the top-left next to the Google Cloud logo.



# Step 7

- Create an instance by giving it a name, select the region and zone, choose a configuration and type

Name *
test-vm

MANAGE TAGS AND LABELS

Region *
europe-west1 (Belgium)
Region is permanent

Zone *
europe-west1-c
Zone is permanent

## Machine configuration

General purpose | Compute optimized | Memory optimized | Storage optimized | GPUs

Machine types for common workloads, optimized for cost and flexibility

| | Series | Description | vCPUs | Memory | Platform |
|---|---|---|---|---|---|
| ○ | N4 | Flexible & cost-optimized | 2 - 80 | 4 - 640 GB | Intel Emerald Rapids |
| ○ | 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 & performance | 2 - 128 | 2 - 864 GB | Intel Cascade and Ice Lake |
| ○ | N2D | Balanced price & performance | 2 - 224 | 2 - 896 GB | AMD EPYC |
| ○ | T2A | Scale-out workloads | 1 - 48 | 4 - 192 GB | Ampere Altra Arm |
| ○ | T2D | Scale-out workloads | 1 - 60 | 4 - 240 GB | AMD EPYC Milan |
| ○ | N1 | Balanced price & performance | 0.25 - 96 | 0.6 - 624 GB | Intel Skylake |

### Machine type

Choose a machine type with preset amounts of vCPUs and memory that suit most workloads.
Or, you can create a custom machine for your workload's particular needs. Learn more

PRESET | CUSTOM

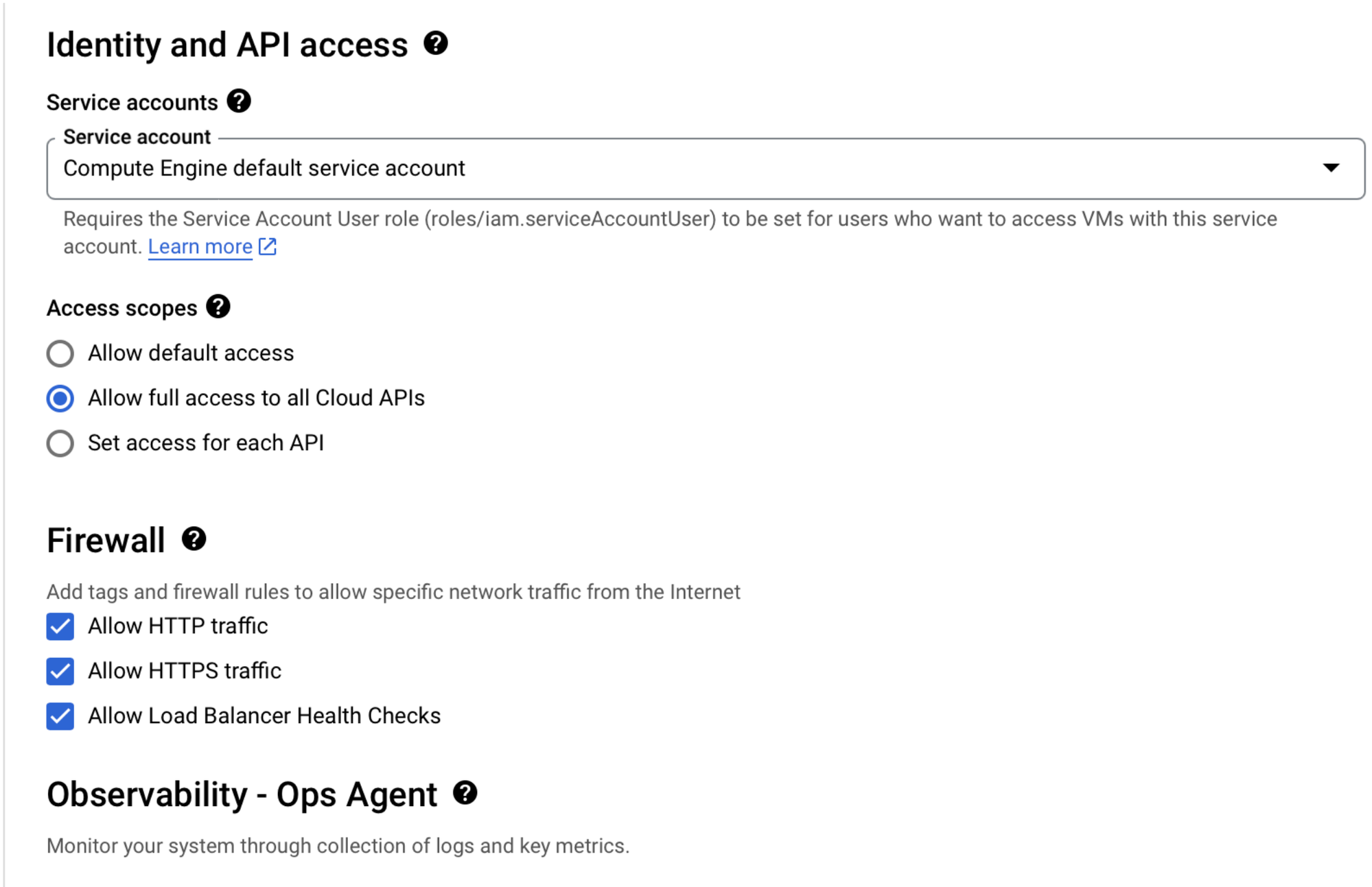
e2-micro (2 vCPU, 1 core, 1 GB memory)

**vCPU**
0.25-2 vCPU (1 shared core)

**Memory**
1 GB

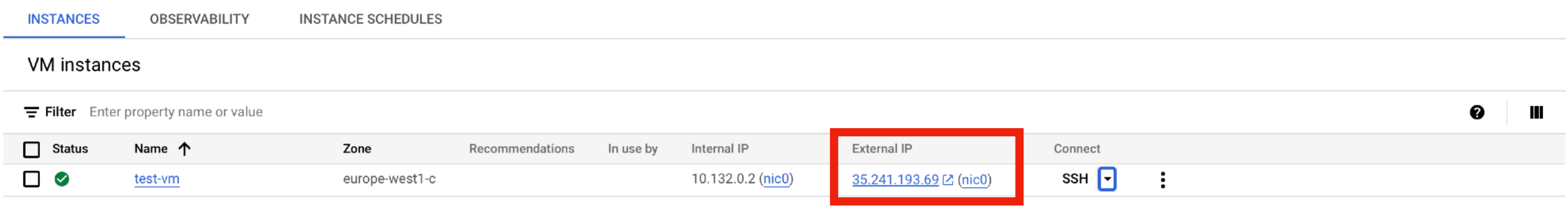
# Step 7 (cont)

- Set the rules for the firewall.
  - The other options are left on default



# Step 8

- Wait for the VM to be ready.

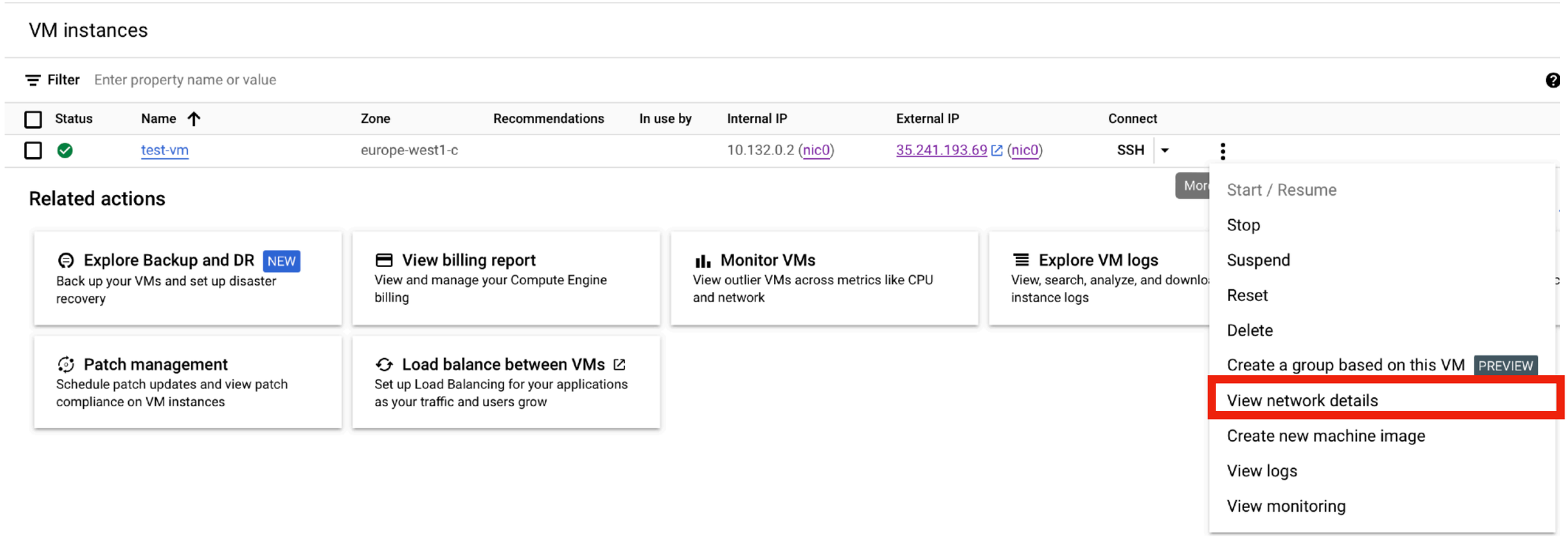



- Now use the *External IP* as the base endpoint to make the submission.

- Remember to bind your server to address **0.0.0.0** rather than localhost.

# Step 9 (Optional)

- To run your application in other port than 80 or 443, you need to create a firewall rule by



Google Cloud | TEST VM

VPC network

- VPC networks
- IP addresses
- Internal ranges
- Bring your own IP
- Firewall
- Routes
- VPC network peering
- Shared VPC
- Serverless VPC access
- Packet mirroring

Network interface details

## Selected network interface: nic0

## Network interface details

| Name | Network | Subnetwork | Primary in |
|---|---|---|---|
| nic0 | default | default | 10.132.0. |

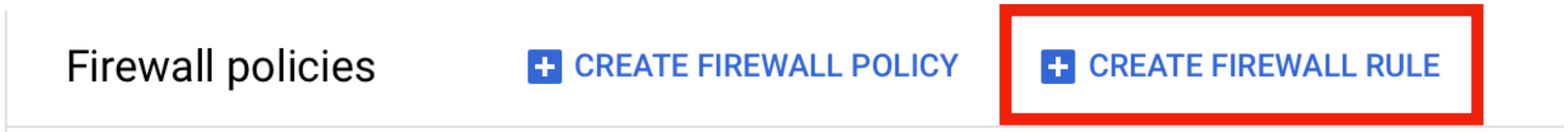
## VM instance details

| Name | Zone | Network tags |
|---|---|---|
| test-vm | europe-west1-c | http-server, https |

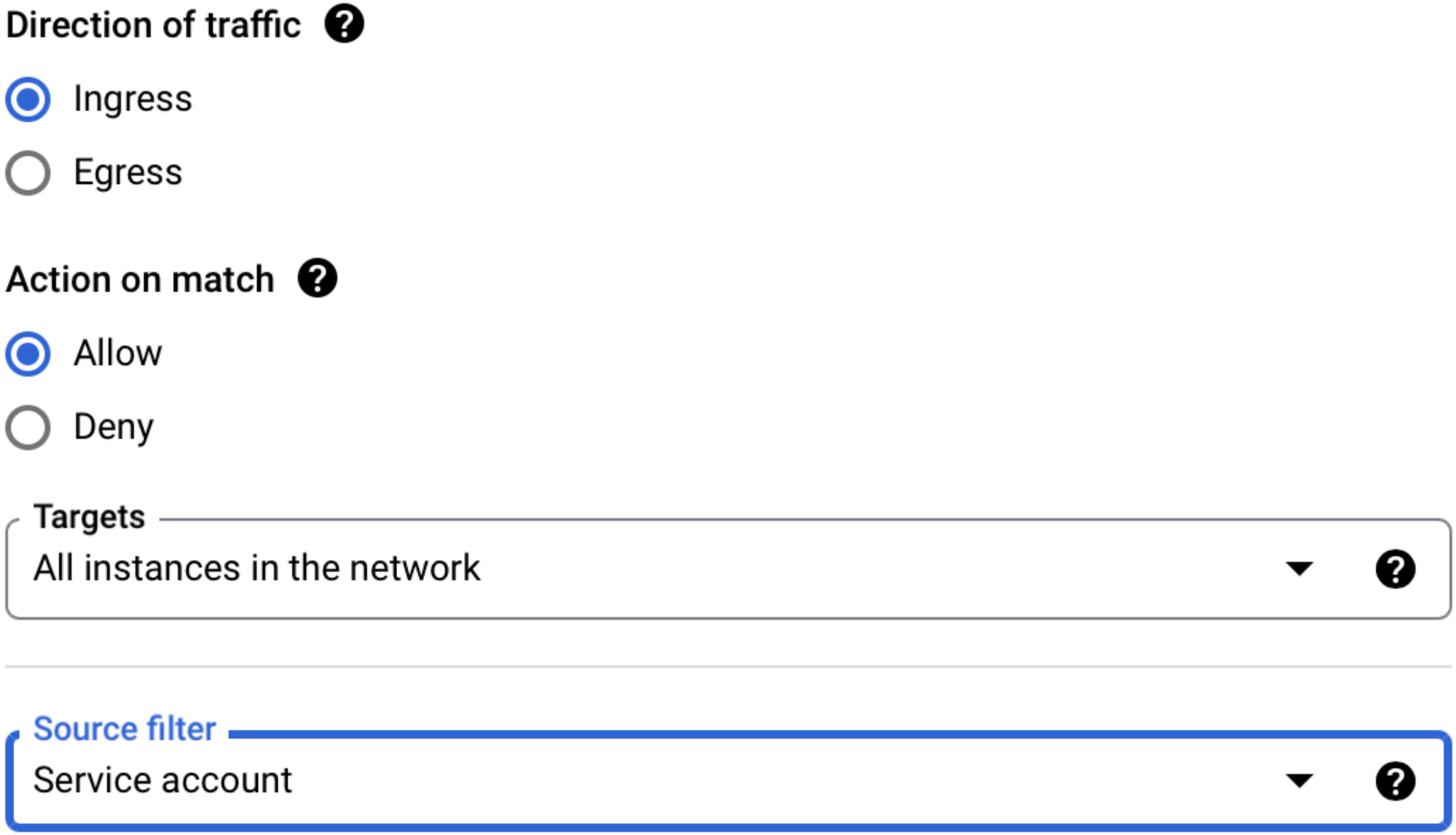
## Firewall and routes details

FIREWALLS ROUTES

Filter Enter property name or value




- Give it a name, leave everything on default, except for *Protocols and ports*, give the port in which your app runs:



Protocols and ports

Allow all

Specified protocols and ports

TCP

Ports

3000

E.g. 20, 50-60

1

UDP

Ports

E.g. all

Other

Protocols

Separate multiple protocols by commas, e.g. ah, sctp

DISABLE RULE

CREATE

CANCEL

2