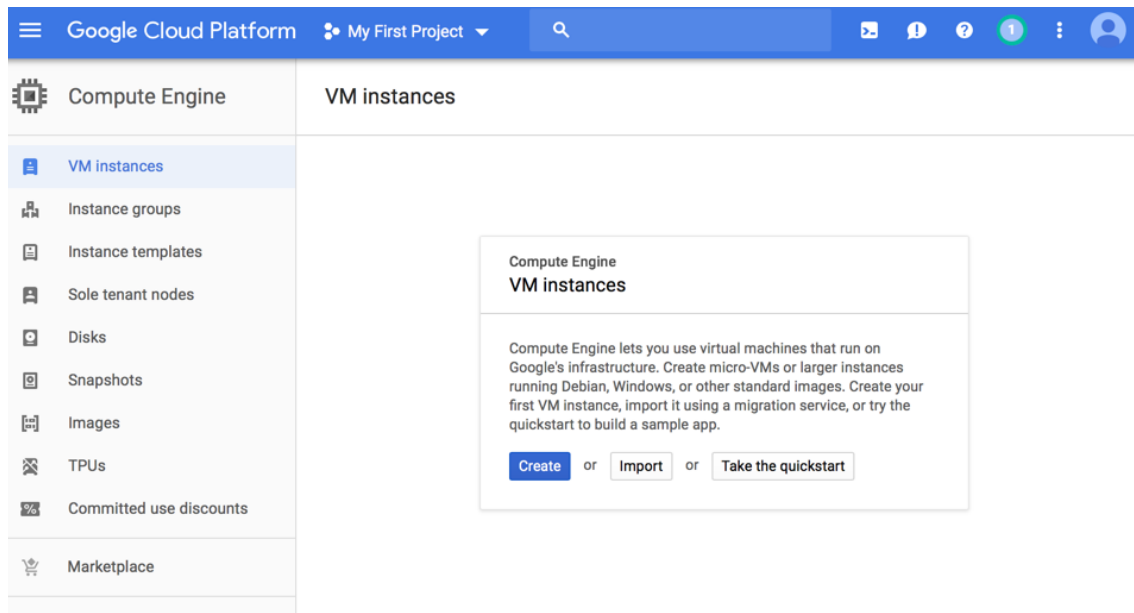# Module 1 In-Class Assignment Setup Part II: Windows
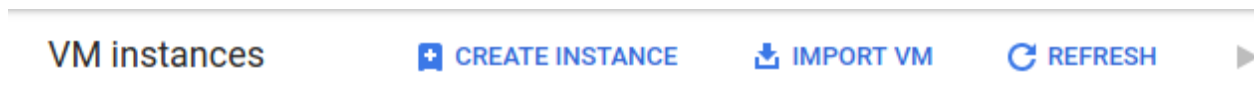
Creating a Windows VM

1. Creation

If this is your first image, you will see your VM instances page like the following. In this case, click on "**Create**."

Otherwise, click on "**Create Instance**"

Give your VM a name that you will remember, such as:

Name ⓘ
Name is permanent

windowsserver

Labels ⓘ (Optional)

+ Add label

Region ⓘ   **Zone** ⓘ
Region is permanent   Zone is permanent

us-central1 (Iowa)   ▾   us-central1-a   ▾

Machine configuration

The Region and Zone typically don't matter, but you are free to choose where you want your VM to be. The monthly estimate may change depending where you select.

We will change the Boot disk to Windows by clicking on "Change"

Boot disk ⓘ

New 10 GB standard persistent disk

Image

Debian GNU/Linux 9 (stretch)   Change

Identity and API access ⓘ

Service account ⓘ

Compute Engine default service account   ▾

Select "**Windows Server**" from the drop down menu under **Operating System** and select "**Windows Server 2019 Datacenter** _**with Desktop Experience**_"

Operating system

Windows Server   ▾

Version

Windows Server 2019 Datacenter   ▾

Server with Desktop Experience, x64 built on 20200414, supports Shielded VM features ⓘ

Boot disk type ⓘ   **Size (GB)** ⓘ

Standard persistent disk   ▾   50
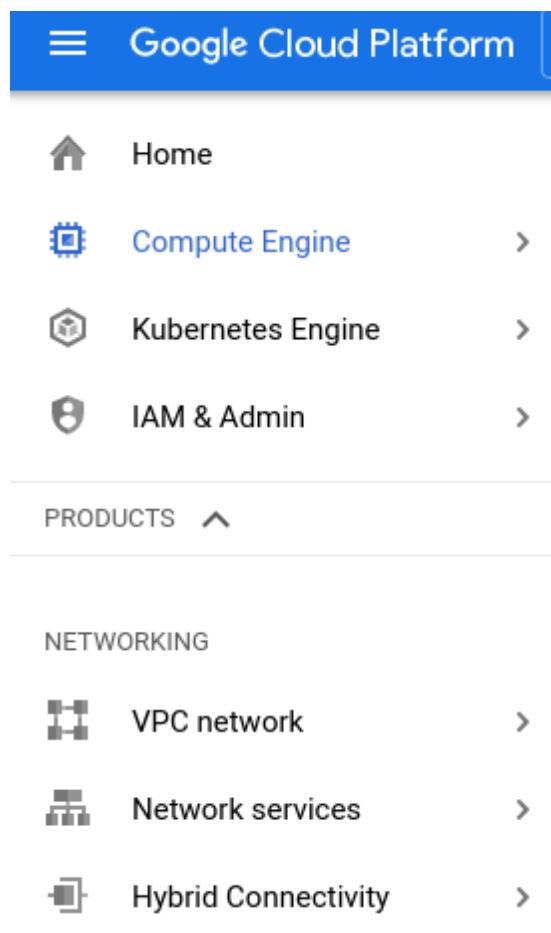
Click "Create" to finish the process.

Firewall ❓
Add tags and firewall rules to allow specific network traffic from the Interne
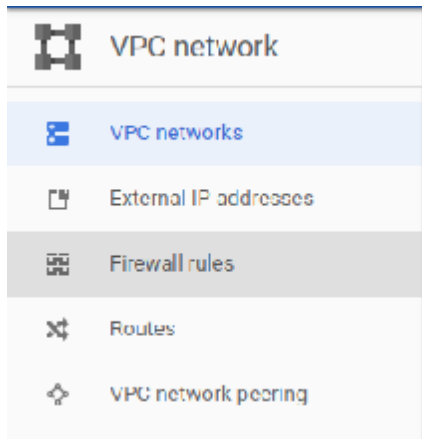
☐ Allow HTTP traffic
☐ Allow HTTPS traffic

⌄ Management, security, disks, networking, sole tenancy

You will be billed for this instance. Compute Engine pricing ⎘

[Create] [Cancel]

Equivalent REST or command line

2. Firewall Rules

From the top hamburger (the three white lines in the upper left hand corner) scroll and click on **VPC network**.

☰ Google Cloud Platform
🏠 Home
▥ Compute Engine ⟩
◈ Kubernetes Engine ⟩
🛡 IAM & Admin ⟩
PRODUCTS ⌃
NETWORKING
⊞ VPC network ⟩
🖧 Network services ⟩
⬕ Hybrid Connectivity ⟩

From there, select "**Firewall Rules**"

Create a Firewall Rule; this will allow RDP to our local system.

Fill out the appropriate information, such as a name (**rdp**), target tag (**rdp**), source IP ranges(**0.0.0.0/0**) and under Specified ports, enter 3389. Then hit create.

Targets
Specified target tags

Target tags *
rdp ✕

Source filter
IP ranges

Source IP ranges *
0.0.0.0/0 ✕   for example, 0.0.

Second source filter
None

Protocols and ports ❷

○ Allow all

◉ Specified protocols and ports

☑ tcp :   3389

☐ udp :   all

☐ Other protocols

protocols, comma separated,

˅ DISABLE RULE

CREATE   CANCEL

Return to Compute Engine and click on the name of the server you created, then click Edit.

☐ ✅   us-
    windowsserver   central1-   then > ‾   VM instance details   ✏ EDIT   ⓘ
                    a

Add your Network tag to the appropriate location, then scroll down and hit save.

Firewalls
☐ Allow HTTP traffic
☐ Allow HTTPS traffic

Network tags

rdp ⊗

Deletion protection

3. Logging in

With the VM complete, you will set the Windows password to login. Click on the arrow next to RDP and select "Set Windows Password"

☐ ✓ windowsserver	us-central1-a	10.128.15.251 (nic0)	35.232.46.13

Set Windows pas

View gcloud com

Rows per page: 50 ▾   1 - 23 of 23   ‹   ›

Download the RD

Learn about Wind

Choose your username (it should automatically populate). Click "**Set**"

Set new Windows password

If a Windows account with the following username does not exist, it will be created and a new password assigned. If the account exists, its password will be reset.

⚠ If the account already exists, resetting the password can cause the loss of encrypted data secured with the current password, including files and stored passwords. Learn more

Username ⓘ

irvin_lemus

CANCEL   SET

Your new password will appear; copy and save it, then close the window.

New Windows password

The following is the new Windows password for irvin_lemus.
Copy it and keep it secure. It will not be shown again.

[   ]   🗗

CLOSE

In the Connect column, click on "**RDP.**" It should pop up with a message to Connect using the Chrome extension, which will allow you to connect to your server from within the browser. You can also download the RDP file and connect that way. If you are using Windows, you can use the built in RDP client to connect; for Mac users, you could either install the extension to your Chrome based browser or install **Microsoft Remote Desktop (https://itunes.apple.com/us/app/microsoft-remote-desktop-10/id1295203466?mt=12)** . Linux users can can install Remmina to do the same.

Using your client of choice, connect to the server. It will ask you to accept the certificate, which you should and then proceed to connect to get your desktop.

Question 1.6: What is the manufacturer name of the Windows system?

Submit your answer below.

Security+ Mini Questions

[Scoreboard](#)

Question: [1.2 ▼]

Your Name: [   ]

Answer: [   ]

[Submit]