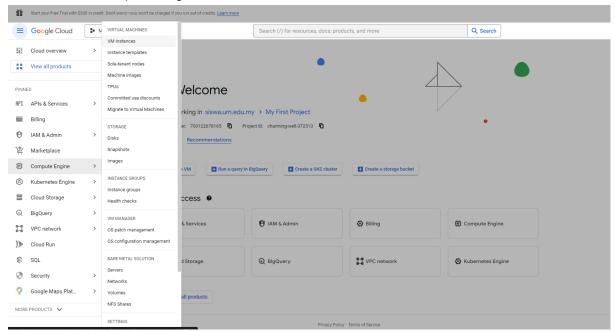
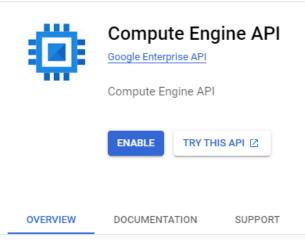
DVWA MANUAL GCP SETUP

- 1. Enter GCP
- 2. Create project
- 3. Go to Compute Engine > VM Instance

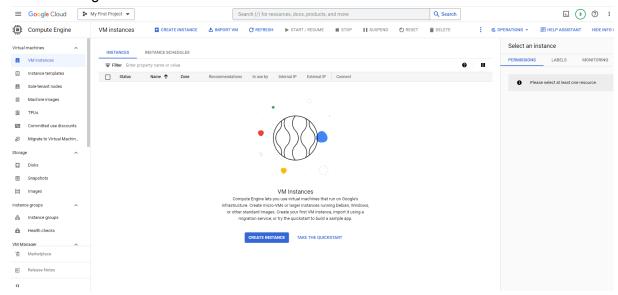


4. Enable Compute Engine API

Product details

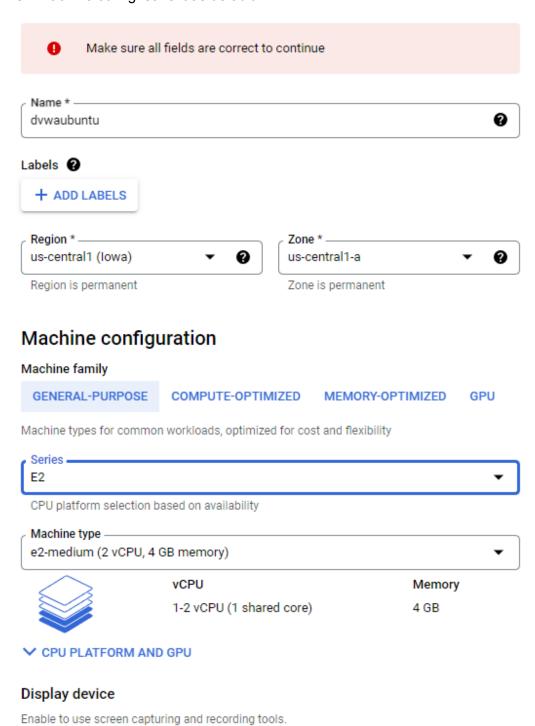


5. After enabling it will show this dashboard



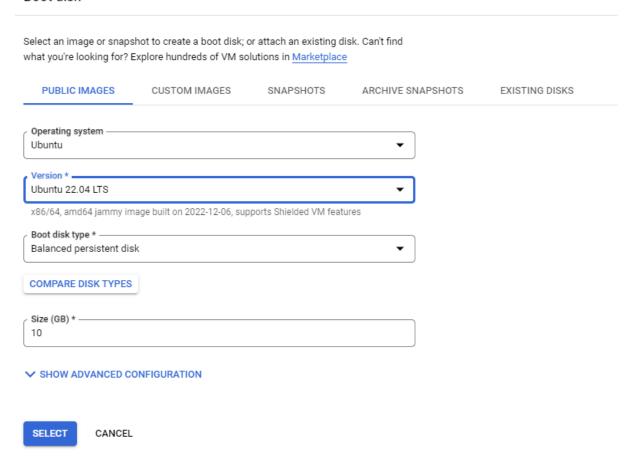
6. Click create Instance

7. On the name field can put anything to your likings, same goes with region and zone. On machine config leave it as default

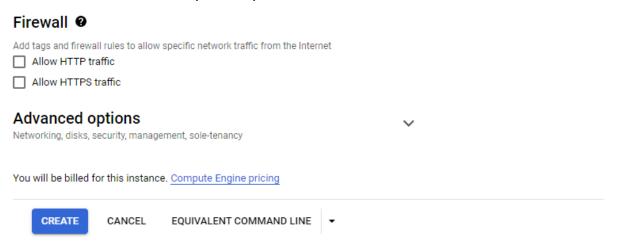


8. Go to boot disk and change operating system as shown:

Boot disk



9. On firewall section disallow http and https traffic



- 10. Create the instance
- 11. It will show this if its successful



PuTTY SETUP

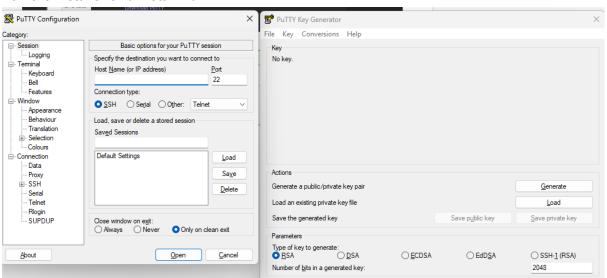
1. Go to putty.org



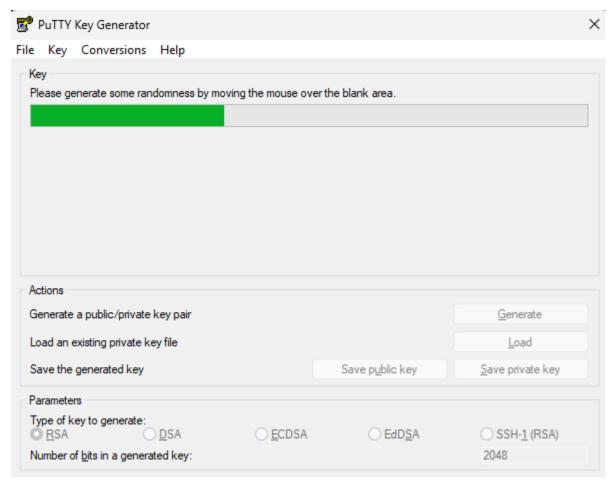
2. Download the correct installer for your computer



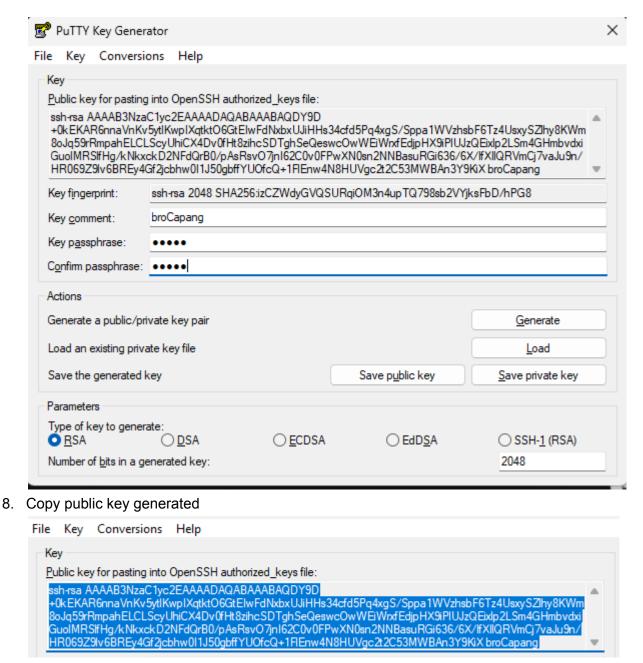
3. Run the installer and install PuTTY



- 4. You will have these 2, PuTTY and PuTTYGen
- 5. Create SSH Key using PuTTYGen
- Press generate public/private key pair (While generating, you must move your cursor!)



7. Set your Key Comment (SSH User) and Key passphrase (SSH Password) to your liking



9. Upload public key generated into GCP (Compute Engine > Metadata > SSH Keys)



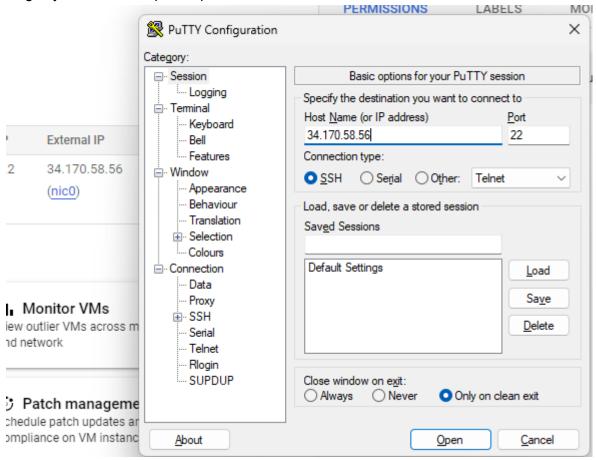


10. Save the private key that was generated.

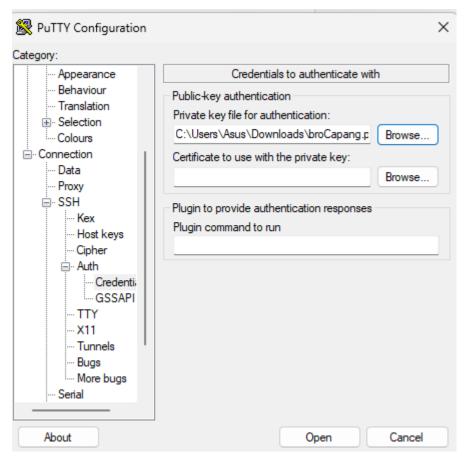
SSH SETUP

1. Open putty

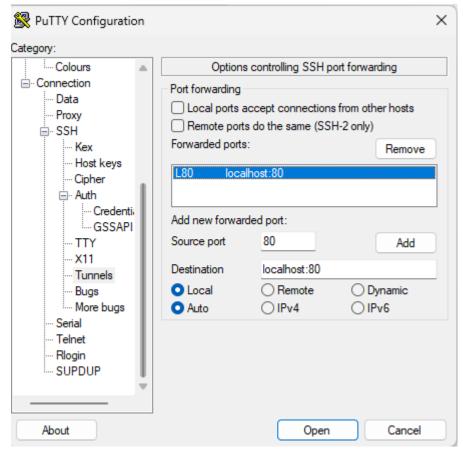
2. Plug in your instance's public ip



3. Go to SSH > Auth > Credentials to use private key downloaded earlier



4. Port Forward port 80 to localhost:80 by going to SSH > Tunnels



- 5. Click Session then connect to GCP machine using SSH
 - a. There's a popup warning just click accept
 - b. Login credentials are from PuTTY SETUP step 7

```
₱ broCapang@dvwaubuntu: ~

                                                                                  ×
🕏 login as: broCapang
Authenticating with public key "broCapang"
Passphrase for key "broCapang":
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1025-gcp x86_64)
 * Documentation: https://help.ubuntu.com
  Management: https://landscape.canonical.com
 * Support:
                   https://ubuntu.com/advantage
 System information as of Fri Dec 23 15:31:27 UTC 2022
  System load: 0.0
  Usage of /: 18.6% of 9.51GB
                                      Users logged in:
                                                                 0
                                      IPv4 address for ens4: 10.128.0.2
 Memory usage: 5%
```

DVWA SETUP

- 1. After logging in to SSH, run these commands (Click ENTER if anything needs restarting)
 - a. sudo apt update
 - b. sudo apt upgrade -y
 - c. sudo apt install php apache2 mariadb-server php-mysqli php-gd libapache2-mod-php
- 2. Navigate to /var/www/html directory

```
oroCapang@dvwaubuntu:~$ cd /var/www/html/
oroCapang@dvwaubuntu:/var/www/html$ |
```

3. Run git clone https://github.com/digininja/DVWA.git

```
broCapang@dvwaubuntu:/var/www/html$ sudo git clone https://github.com/digininja/DVWA
Cloning into 'DVWA'...
remote: Enumerating objects: 3990, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 3990 (delta 0), reused 3 (delta 0), pack-reused 3986
Receiving objects: 100% (3990/3990), 1.76 MiB | 9.32 MiB/s, done.
Resolving deltas: 100% (1874/1874), done.
broCapang@dvwaubuntu:/var/www/html$
```

4. Navigate to /DVWA/config directory

```
broCapang@dvwaubuntu:/var/www/html$ ls
DVWA index.html
broCapang@dvwaubuntu:/var/www/html$ cd DVWA
broCapang@dvwaubuntu:/var/www/html/DVWA$ ls
CHANGELOG.md README.zh.md dvwa
                                                  instructions.php security.php
CHANGELOG.md README.zh.md dvwa instruction
COPYING.txt SECURITY.md external login.php
                                                                         security.txt
README.ar.md about.php
                                  favicon.ico logout.php
                                                                         setup.php
                                hackable php.ini
ids_log.php phpinfo.php
README.fr.md config
README.md database
README.tr.md docs
                                  index.php robots.txt
broCapang@dvwaubuntu:/var/www/html/DVWA$ cd config/
broCapang@dvwaubuntu:/var/www/html/DVWA/config$ ls
config.inc.php.dist
broCapang@dvwaubuntu:/var/www/html/DVWA/config$ sudo nano config.inc.php.dist
```

5. Run command sudo nano config.inc.php.dist to modify the file

```
## broCapang@dvwaubuntur./var/www/html/DVWA/config

## GUU nano 6.2

## Config.inc.php.dist

## Config
```

6. Navigate to 'default security level' and set it to 'Low"

7. CTRL+SHIFT+O to write out the file as config.inc.php

- 8. In the same directory, run sudo mariadb
- 9. Run these commands in this order
 - a. create database dvwa;
 - b. create user dvwa@localhost identified by 'p@assw0rd';
 - c. Grant all on dvwa.* to dvwa @localhost;
 - d. flush privileges;

```
MariaDB [(none)]> create database dvwa;
Query OK, 1 row affected (0.000 sec)
```

```
MariaDB [(none)]> create user dvwa@localhost identified by 'p@ssw0rd';

Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> grant all on dvwa.* tp dvwa@localhost;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to you

x to use near 'tp dvwa@localhost' at line 1

MariaDB [(none)]> grant all on dvwa.* to dvwa@localhost;

Query OK, 0 rows affected (0.002 sec)

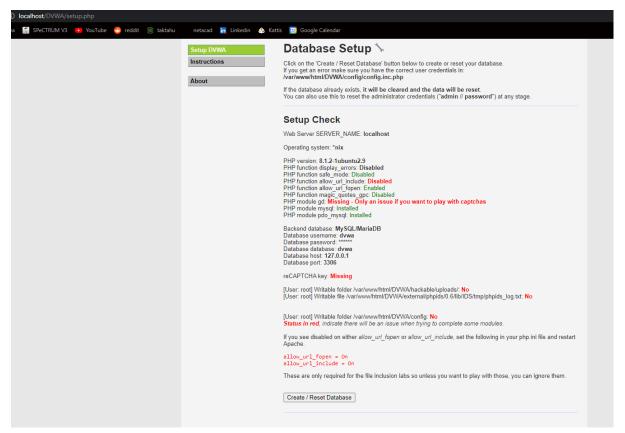
MariaDB [(none)]> flush privileges;

Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> exit

Bye
```

10. Go to localahost/DVWA/setup.php on browser, you should be able to see the web page.



11. Press Create/Reset Database, if everything is set up properly, the output should look like this:

[User: root] Writable folder /var/www/html/DVWA/hack [User: root] Writable file /var/www/html/DVWA/external		
[User: root] Writable folder /var/www/html/DVWA/config: No Status in red, indicate there will be an issue when trying to complete some modules.		
If you see disabled on either allow_url_fopen or allow_url_include, set the following in your php.ini file and restart Apache.		
<pre>allow_url_fopen = On allow_url_include = On</pre>		
These are only required for the file inclusion labs so u	inless you want to play with those, you can ignore them.	
Create / Reset Database		
Database has been created.		
'users' table was created.		
Data inserted into 'users' table.		
'guestbook' table was created.		
Data inserted into 'guestbook' table.		
Backup file /config/config.inc.php.bak automatically created		
Setup successful!		
Please <u>login</u> .		

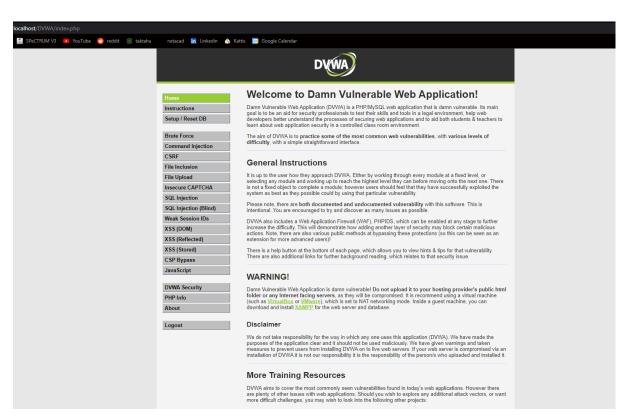
12. After being redirected to localhost/DVWA/login.php, login using default credentials

a. Username: adminb. Password: password



Username		
admin		
Password		

	Login	



13. Happy hacking! :D

- Shafiqps
- gnapacJabba