Task 12

Submitted by

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Course: Cyber Security Analyst

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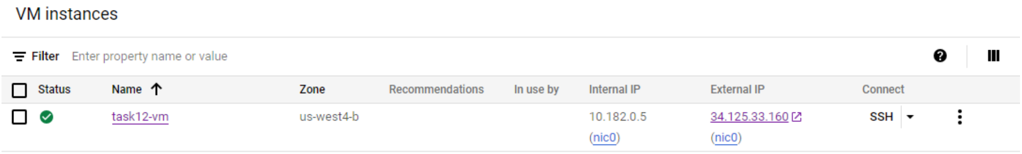
Step 1: Sign in to Google Cloud Console:

- Instance name: task12-vm
- Zone: us-west4-b
- Machine type: e2-micro
- Boot disk: Debian GNU/Linux 10 (buster)
- Allow HTTP and HTTPS traffic
- Allowed SSH access
- Noted down the internal and external IP addresses

  Internal IP: 10.182.0.5

  External IP: 34.125.33.160



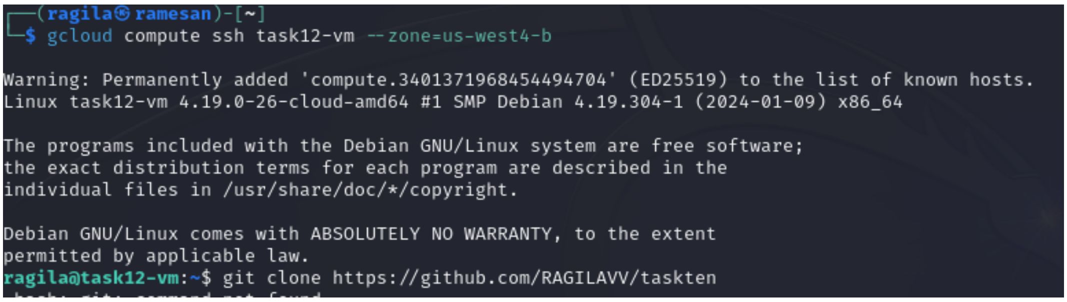
VM instances

Filter Enter property name or value

□	Status	Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
□	✓	task12-vm	us-west4-b			10.182.0.5 (nic0)	34.125.33.160 (nic0)	SSH ▾

Step 2: Open Kali Linux terminal and login to cloud VM via SSH:

- Use the command: **gcloud compute ssh task12-vm --zone=us-west4-b**
- This will connect to Google Cloud Platform VM.



```
┌──(ragila㉿ramesan)-[~]
└─$ gcloud compute ssh task12-vm --zone=us-west4-b

Warning: Permanently added 'compute.3401371968454494704' (ED25519) to the list of known hosts.
Linux task12-vm 4.19.0-26-cloud-amd64 #1 SMP Debian 4.19.304-1 (2024-01-09) 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.
ragila@task12-vm:~$ git clone https://github.com/RAGILAVV/taskten
```

Step 3: Git clone repo from taskten

- Use the command: **git clone https://github.com/RAGILAVV/taskten**
- This will clone the repository containing HTML page files to current directory.

Step 4: Copy Files from cloned folder to Apache Webserver Root

- Use the command: **sudo cp -r taskten/* /var/www/html/**

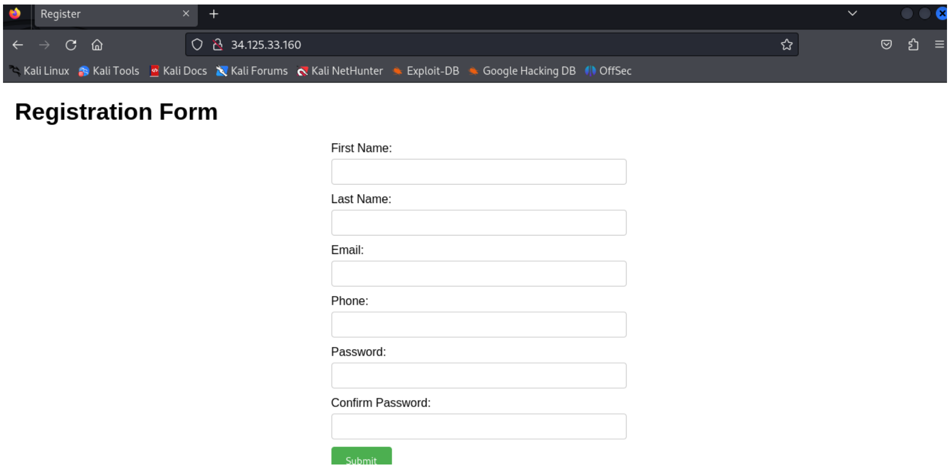
Step 5: Start Apache Webserver in cloud

- Use the commands:

1. **sudo apt update**
2. **sudo apt install apache2**
3. **sudo systemctl start apache2**
4. **sudo systemctl enable apache2**

Step 6: Start Apache Webserver in cloud

- Open web browser on local machine
- Enter the IP address of cloud VM in the browser's address bar.



Registration Form

First Name:

Last Name:

Email:

Phone:

Password:

Confirm Password:

Submit

Step 7: Install PHP and MySQL:

- Use the commands:

1.sudo apt update

2.sudo apt install php

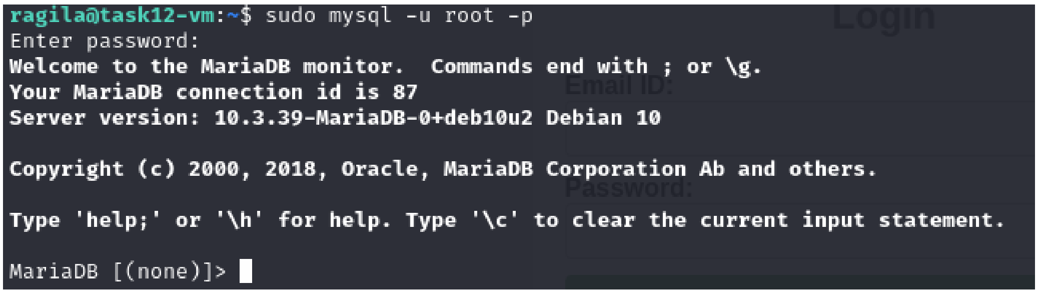
3.sudo apt install php-mysql

4.sudo apt install default-mysql-server

5.sudo systemctl start mysql

Step 8: Start MySQL Server and Login

- Use the commands: **sudo mysql -u root**



```
ragila@task12-vm:~$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 87
Server version: 10.3.39-MariaDB-0+deb10u2 Debian 10

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

Step 9: Create Database, Table, and User

- Use the commands:

1. **CREATE DATABASE registration_db;**
2. **USE registration_db;**
3. **CREATE TABLE users (**

   id INT AUTO_INCREMENT PRIMARY KEY,

   first_name VARCHAR(50),

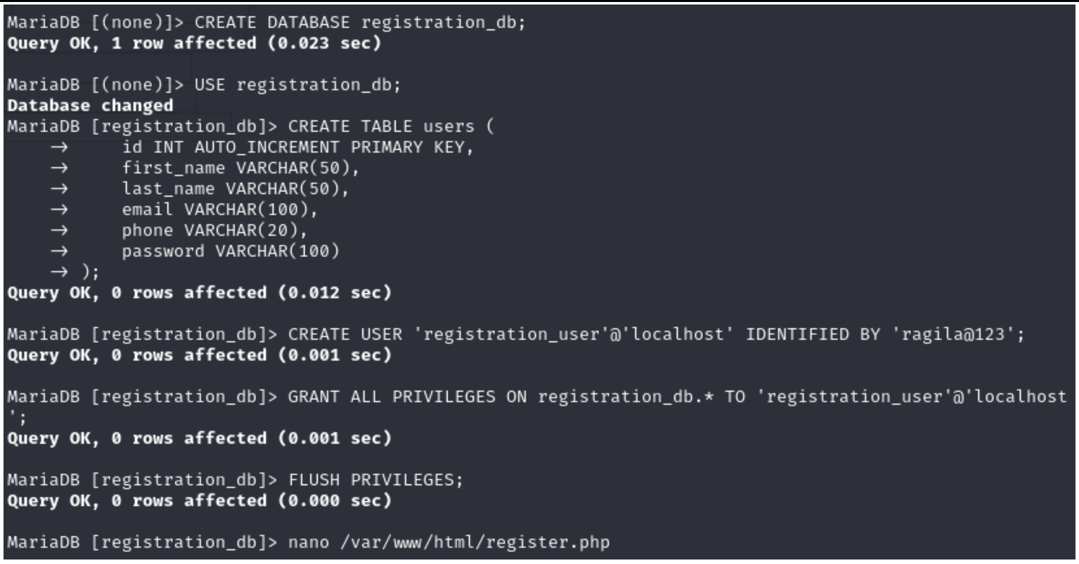
   last_name VARCHAR(50),

   email VARCHAR(100),

   phone VARCHAR(20),

   password VARCHAR(100)

   );
4. **CREATE USER ' registration_user'@'localhost' IDENTIFIED BY ' ragila@123';**
5. **GRANT ALL PRIVILEGES ON registration_db.* TO 'registration_user'@'localhost';**
6. **FLUSH PRIVILEGES;**



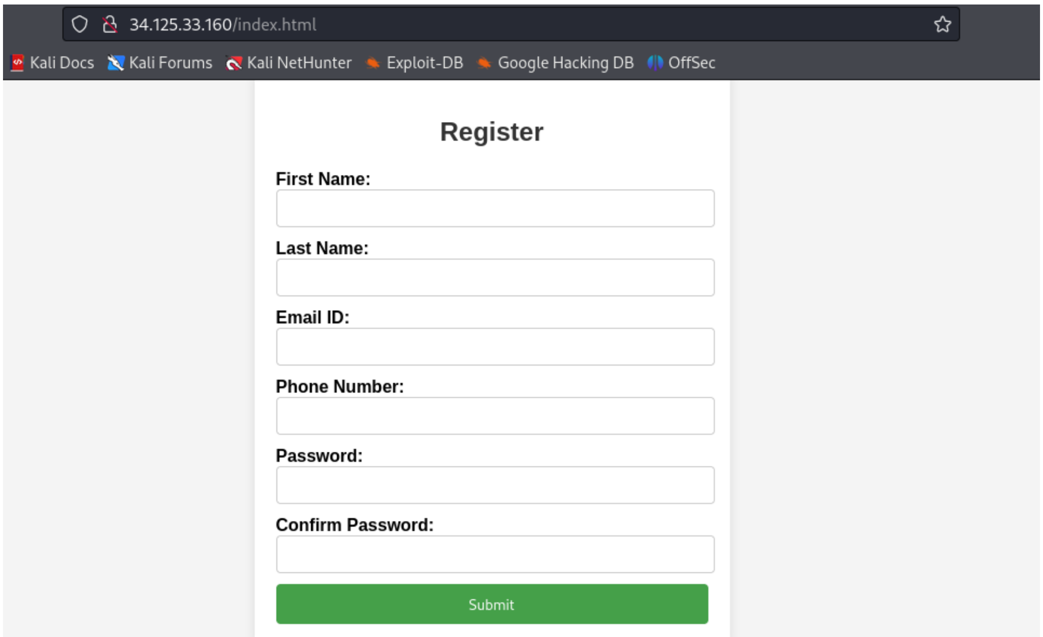
```
MariaDB [(none)]> CREATE DATABASE registration_db;
Query OK, 1 row affected (0.023 sec)

MariaDB [(none)]> USE registration_db;
Database changed
MariaDB [registration_db]> CREATE TABLE users (
    →     id INT AUTO_INCREMENT PRIMARY KEY,
    →     first_name VARCHAR(50),
    →     last_name VARCHAR(50),
    →     email VARCHAR(100),
    →     phone VARCHAR(20),
    →     password VARCHAR(100)
    → );
Query OK, 0 rows affected (0.012 sec)

MariaDB [registration_db]> CREATE USER 'registration_user'@'localhost' IDENTIFIED BY 'ragila@123';
Query OK, 0 rows affected (0.001 sec)

MariaDB [registration_db]> GRANT ALL PRIVILEGES ON registration_db.* TO 'registration_user'@'localhost
';
Query OK, 0 rows affected (0.001 sec)

MariaDB [registration_db]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [registration_db]> nano /var/www/html/register.php
```

Step 10: Create PHP Files for User Registration

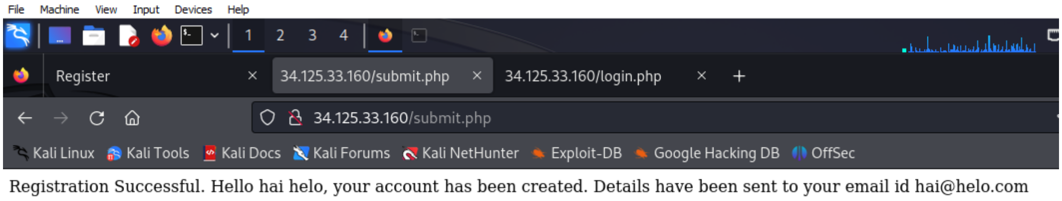
- Created index.html, login.html, login.php, dump.sql, script.js, style.css, submit.php files

Step 11: Login as the Created User

- Use the registration form to create a user account.

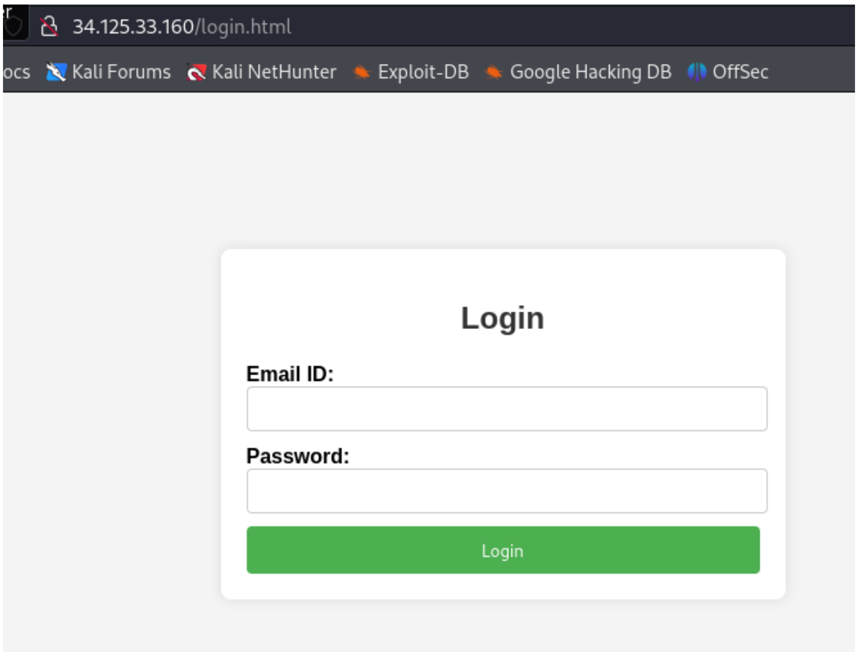


- Registration success message

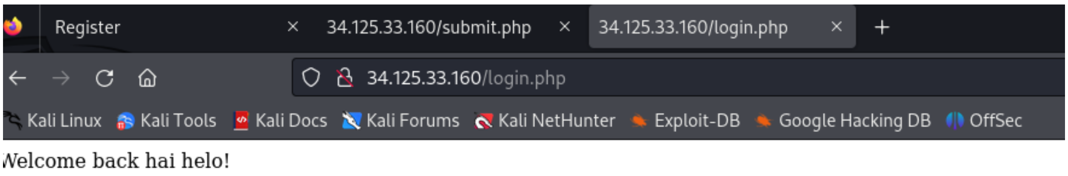

File Machine View Input Devices Help
Register
34.125.33.160/submit.php
34.125.33.160/login.php
34.125.33.160/submit.php
Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec

Registration Successful. Hello hai helo, your account has been created. Details have been sent to your email id hai@helo.com

- Use the login form to log in as the user created in the previous step


34.125.33.160/login.html
ocs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec
Login
Email ID:
Password:
Login

- Login success message


Register
34.125.33.160/submit.php
34.125.33.160/login.php
34.125.33.160/login.php
Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec

Welcome back hai helo!