BloodHound Community Edition Installation and Setup on Kali Linux (Virtual Machine)

Installation Steps

Step 1: Install Docker

Docker is required to run BloodHound CE as a containerized application. Execute the following command to install Docker:

sudo apt install docker.io

```
The following packages were accountedly installed and are no longer required:
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```

Step 2: Download the BloodHound CE Docker Compose File

Use the following command to download the Docker Compose file for BloodHound CE: curl -L https://ghst.ly/getbhce > ./docker-compose.yml

curl -L https://ghst.ly/getbhce > ./docker-compose.yml

This command retrieves the necessary configuration file required to deploy BloodHound CE containers. For more information, see the documentation:

https://support.bloodhoundenterprise.io/hc/en-us/articles/17468450058267-Install-BloodHound-Community-Edition-with-Docker-Compose

```
      (kali⊕ kali)-[~]

      $ curl -L https://ghst.ly/getbhce > ./docker-compose.yml

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```

Step 3: Pull and Run the BloodHound CE Containers

After downloading the Docker Compose file, pull the necessary container images and start the services:

docker-compose pull && docker-compose up -d

- docker-compose pull: Downloads the required Docker images.
- docker-compose up -d: Starts the BloodHound CE services in detached mode.

```
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```

Step 4: Add Current User to Docker Group

To avoid using sudo for every Docker command, add your user to the Docker group:

sudo usermod -aG docker \$USER

After making this change, activate the new group settings without logging out:

newgrp docker

Step 5: Verify Running Docker Containers

Ensure that the BloodHound CE container is running using:

docker ps

This command lists the active Docker containers.

```
(kali@ kali)-[~]
$ sudo usermod -aG docker $USER

(kali@ kali)-[~]
$ newgrp docker

(kali@ kali)-[~]
$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

Step 7: Start BloodHound CE

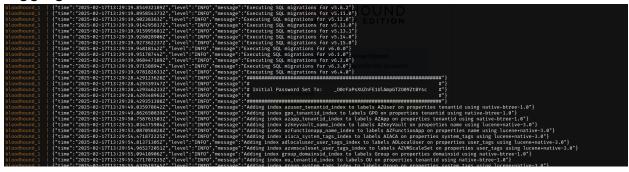
Run the following command to start BloodHound CE using the downloaded Docker Compose file:

docker-compose -f docker-compose.yml up -d

```
Creating network "kali_default" with the default driver
Creating volume "kali_neo4j-data" with default driver
Creating volume "kali_neo4j-data" with default driver
Creating volume "kali_neo4j-data" with default driver
Pulling app-db (docker.io/library/postgres:16) ...
16: Pulling from library/postgres
c29f5b76f736: Pull complete
c48f75705ee4: Pull complete
bcdc35id2177: Pull complete
bcdc35id2177: Pull complete
0a56f421ffcf: Pull complete
0a56f421ffcf: Pull complete
d284d3f2cae4: Pull complete
d284d3f2cae4: Pull complete
d284d37e3c6: Pull complete
dec7ed737d87: Pull complete
dec7ed737d87: Pull complete
dec7ed737d87: Pull complete
def6f9d6bbd: Pull complete
def6f9d6bbd: Pull complete
def6f9d6bbd: Pull complete
def6f2f5c53e5: Pull complete
d618d6ad69f3: Pull complete
d618d6ad69f3: Pull complete
f618c35ig3: Pull complete
S52f2f2bls: Pull complete
Digest: sha256:a35ec4256e3c522eb13b4d82eddaee875d0ac6ca9eb5cc5607e412854478c71
Please monde a new password for this accessor.
Status: Downloaded newer image for postgres:16
Pulling graph-db (docker.io/library/neo4j:4.4)...
```

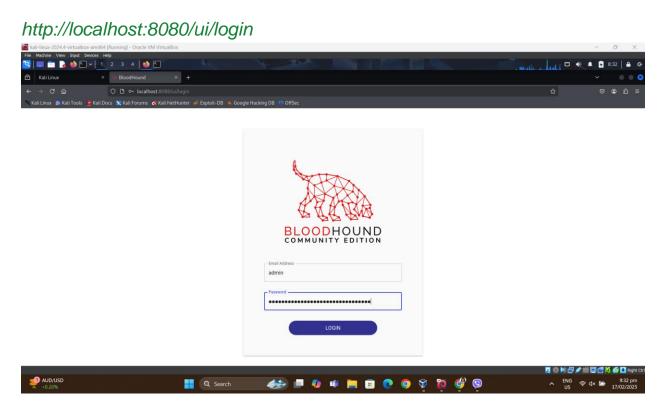
If password cannot be seen try sudo docker-compose -f docker-compose.yml logs

After successfully establishing a server connection, an auto-generated password will be provided which will serve as the initial password upon logging in.

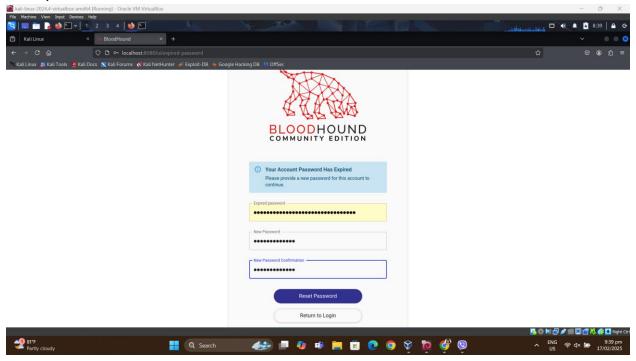


Step 8: Access BloodHound CE Web Interface

Once the containers are running, open your web browser and navigate to:



The default email address is "admin" and enter the initial password that has been provided. After successfully logging in, you will be asked to create a new password.



Step 10: BloodHound CE Dashboard

Finally, you will be redirected to the BloodHound dashboard, where you can start using the application.

