

Introduction

The setup script is done in python and runs under a special account created for LUCY (not root). It can always be re-started using the command:

```
python /opt/phishing/current/tools/setup/setup.py
```

or if LUCY is running in a Docker container use this command:

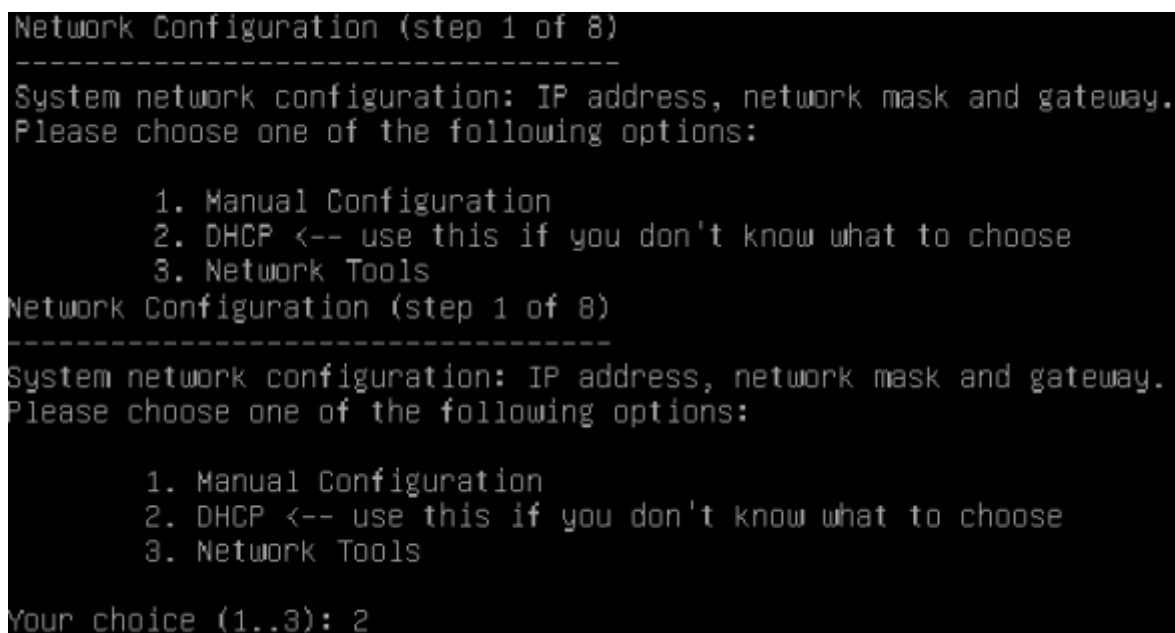
```
docker exec -it `docker ps -q` python  
/opt/phishing/current/tools/setup/setup.py
```

Automatic Setup

After turning on your machine, you can either let LUCY do all the configuration (select "Y") or you can manually configure Lucy (select "No"). In case if you choose "Yes" LUCY will do the complete setup and won't ask you for further input. Choose "Yes" only if you have DHCP (Dynamic IP Address) enabled. At the end of the automatic setup, you will be given a login and password which you will need to authenticate for the web GUI. In case if you forgot to write down the password, you can still go into the manual setup and create a new user and a new password.

Manual Setup

STEP 1: "Network Settings" If you selected "No" in the first menu, you will be asked to configure the network settings (IP address). If you have a DHCP server just choose DHCP. Otherwise, configure your IP address manually. If you selected DHCP it can take a while until the settings are saved since LUCY will also test the connection.



```
Network Configuration (step 1 of 8)
-----
System network configuration: IP address, network mask and gateway.
Please choose one of the following options:

    1. Manual Configuration
    2. DHCP <-- use this if you don't know what to choose
    3. Network Tools
Network Configuration (step 1 of 8)
-----
System network configuration: IP address, network mask and gateway.
Please choose one of the following options:

    1. Manual Configuration
    2. DHCP <-- use this if you don't know what to choose
    3. Network Tools

Your choice (1..3): 2
```

- **Troubleshooting - DHCP fails:** If the DHCP fails to obtain an IP address double check that you have enabled BRIDGED mode - especially if you have installed LUCY within a virtualized environment. Also, make sure that no Firewall is blocking access to the DHCP server on your

HOST computer and no MAC restrictions are defined on your WLAN/LAN.

STEP 2: "HSM configuration" The configuration can be done only once during a fresh install. It is not available with Automatic Configuration.

```
HSM configuration (step 2 of 8)
-----
HSM DB encryption: encrypt your database by HSM module.
!!! ATTENTION: HSM module can not be disabled !!!
Enable HSM module?
Please choose one of the following options (or enter 'q' to quit this menu and ente

    1. Enable HSM
    2. Quit

Your choice (1..2, q - quit this menu and enter other configuration settings): 1
```

[How to configure HSM Database encryption](#)

STEP 3 "Domain Configuration": If you are setting up LUCY for the first time, you will automatically switch to the Domain & User Configuration. LUCY needs a name pointing to the server. It can be anything (like « test.phishing.local » or simply « phishing »). The default name is phish.local. If you hit enter, it will keep this name. Otherwise, provide the DNS name (e.g. a DynDNS name) you have already registered for that IP.

```
Domain Configuration (step 3 of 8)
-----
System domain setup: set system domain and generate the appropriate self-signed SSL certificate.
* Domain (phish.local): phishing.does-it.net

Saving...
Generating SSL Certificate...
Generating Software Configuration...
Applying...
```

- **Troubleshooting - Private vs. Public Domain:** If you give LUCY a domain name, which is not registered on the internet, you will only be able to use it on your browser if you create a host file on your PC from where you accessed LUCY.
- **Troubleshooting - Access to the Admin Website:** If you want to access the admin interface via an official domain name, which you have registered, make sure that FQDN is also defined in the domain configuration. Otherwise, you will receive a LUCY 404 error page when accessing LUCY via the browser using that domain name.

STEP 4: Here, the database of Lucy will be configured.

```
PostgreSQL Configuration (step 4 of 8)
-----
Set necessary values in PostgreSQL config files. Update systemctl variable values.
PostgreSQL configuration completed.
```

STEP 5: "User Configuration" Next, you will be asked to enter a user and a password. This will be needed for the web login.

```
Users (step 5 of 8)
-----
Add / Modify accounts in the system.
Please choose one of the following options (or enter 'q' to quit this menu and enter other configuration settings):

  1. Add User
  2. Modify User

Your choice (1..2, q - quit this menu and enter other configuration settings): 1

User Details
* E-mail: oliver@muenchow.ch
* Password: test123

Saving...
Success.
```

STEP 6: "User Configuration" Here you get a username and password to enter the command line of your server. **Don't forget to save it!**

```
Generate root and user password (step 6 of 8)
-----
Generating new root and user password.
root password: p5s39p3u
phishing user password: vmxgwhsf
```

STEP 7:"Finish" Congratulations! You successfully configured lucy on your server.

```
Configuration Information (step 7 of 8)
-----
Your system has been successfully configured.
Domain: phishing.does-it.net
IP Address: 10.20.5.149
```

STEP 8: The summary of your settings is shown when you have successfully finished the configuration. Press Enter to start the web service with your settings. You don't need to exit the script menu. All remaining configuration is done within the web browser.

Troubleshooting

In order to test issues with your connectivity, LUCY offers you a few built-in tools. First choose Menu Item 3: "Network Configuration". In this Menu, you have Menu Item 3 again (Network Tools) that offers you the possibility to test the basic connectivity to the internet (ping, traceroute, route, etc.).

```
Please choose one of the following options:
```

1. Current Configuration
2. Automatic Configuration
3. Network Configuration
4. PostgreSQL Configuration
5. Domain Configuration
6. Users
7. Generate root and user password
8. System Login (Logout Setup Menu)
9. System Reboot

```
Your choice (1..9): 3
```

```
Network Configuration
```

```
-----  
System network configuration: IP address, network mask and gateway.  
Please choose one of the following options (or enter 'q' to quit this
```

1. Manual Configuration
2. DHCP <-- use this if you don't know what to choose
3. Network Tools

```
[Network Tools]
```

```
Please choose one of the following
```

1. ifconfig
2. route
3. ip
4. iptables
5. ping
6. traceroute

If you have no Network Connectivity, check that you have configured LUCY with the correct Network settings (IP, Gateway, etc). If you are using VMware or any other virtualization software, make sure that you have configured LUCY in Bridged mode.

If you see that Network Connectivity is possible, but LUCY is not able to access the internet, it is possible that:

- a) LUCY is behind Firewall: Check that the Firewall allows LUCY to connect to the internet.
- b) You are using a Proxy to access the internet: You need to configured LUCY to use a Web proxy and provide LUCY with the necessary authorization (within the WebGUI). Also see: [using_an_external_mail_server_or_web_proxy](#)

Hardware Optimization (Postgress)

LUCY (after 3.0) allows you to optimize Postgress DB to use the available memory. In order to

optimize Postgress please choose the required item on the menu.

```
Please choose one of the following options:

  1. Current Configuration
  2. Automatic Configuration
  3. Network Configuration
  4. PostgreSQL Configuration
  5. Domain Configuration
  6. Users
  7. Generate root and user password
  8. System Login (Logout Setup Menu)
  9. System Reboot

Your choice (1..9): 4

PostgreSQL Configuration
-----
Set necessary values in PostgreSQL config files. Update sysctl variable values.
PostgreSQL configuration completed.
```

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Last update: 2020/01/16 17:57

