eLearnSecurity
Forging security professionals

# PWD LAB

## USER MANUAL

v. 1.2 - January 7, 2019

1) Windows users
2) Linux users

# 1. WINDOWS USERS

## A. ENTER THE LAB

Once the connection to the lab has been established, you can interact with the webserver in different ways: SSH, VNC or your web browser.

For reviewing or editing the code we suggest you to use SSH. This will give you a fast connection to the code; while you can use your web browser to navigate through the web application. The VNC access, is an extra way you could use, for example, if you want to have GUI access to the webserver.

The web server address, is always **10.143.87.50**

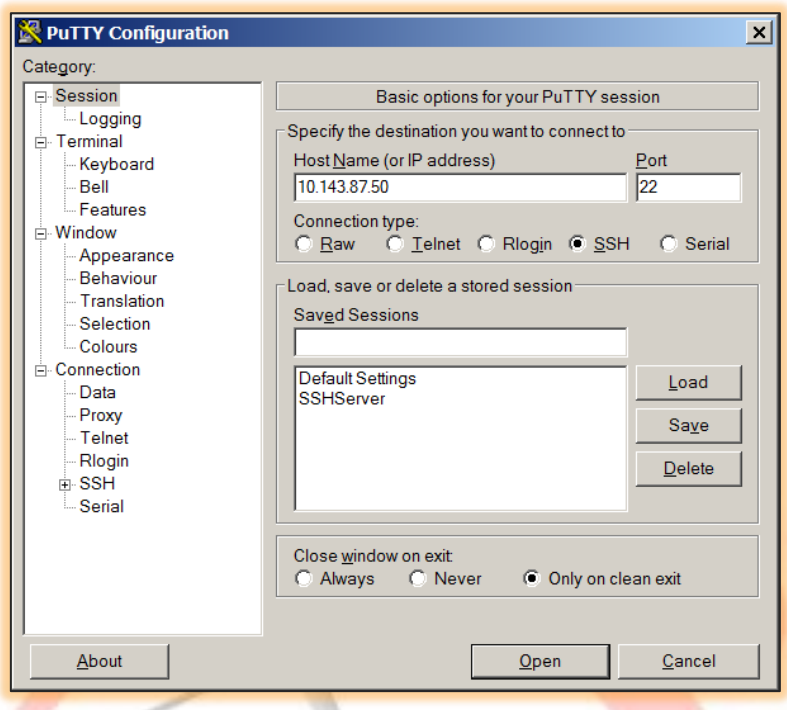
### i. SSH CONNECTION

To start SSH you can use PuTTy with the following settings:

| | |
|---|---|
| **Remote IP Address:** | 10.143.87.50 |
| **Remote port:** | **22** |
| **Username:** | **root** |
| **Password:** | **toor** |

***Note**: this configuration is valid for all the labs related to this course*

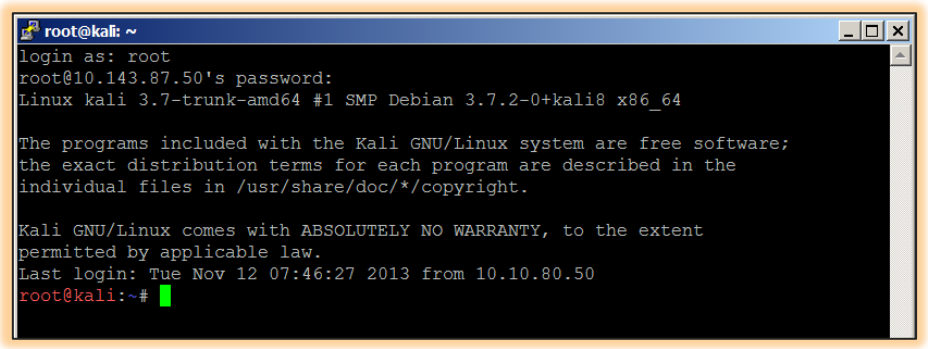
The following screenshots show how to configure putty:




If it's your first connection you will receive a certificate warning. Click yes to continue.


When the shell prompts the "Login as:" insert the username *root* and confirm. After few seconds it will ask to insert the password (which is *toor*).






## ii. Your Web Browser

In order to access the web application easily through your web browser, add the following entries inside the **hosts** file located at:

```
C:\Windows\System32\drivers\etc\hosts
```

This is a ***non-complete*** list of entries you could add to the hosts file:

```
# PWD Labs
10.143.87.50 example.com
10.143.87.50 hospital.com
10.143.87.50 powerplant.com
10.143.87.50 monitoring.com
10.143.87.50 hr-portal.com
10.143.87.50 sales-portal.com
```

Finally, test your connection to the lab by opening the following URLs:

- http://example.com

***YOU SHOULD SEE DIRECTORY INDEXING IN THESE URLS!***

***Note**: the binding with some sites may be already cached in your web browser. To apply these changes you should delete the DNS cache of the browser.*

If you use **Chrome** or **Firefox**, please refer to the following link, on how to delete the DNS cache of your browser: https://techwiser.com/clear-dns-cache-on-browser

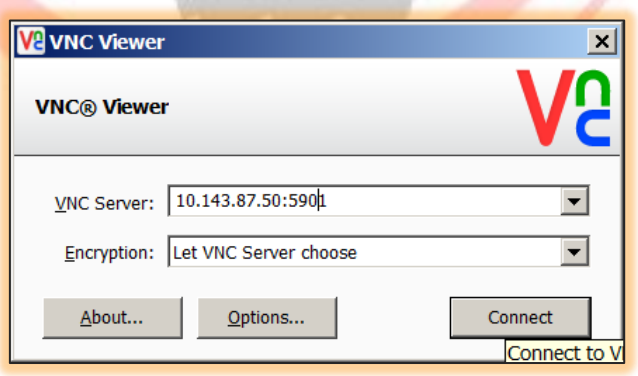
### iii. VNC CONNECTION

To start a VNC connection download and install VNC Viewer (or any other VNC client) and use the following settings:

```
Remote IP Address: 10.143.87.50
Remote port: 5901
Username:
Password: passwd
```

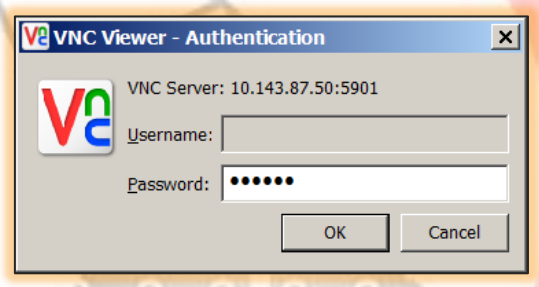
***Note**: this configuration is valid for all the labs related to this course*

The following screenshots show how to configure VNC Viewer

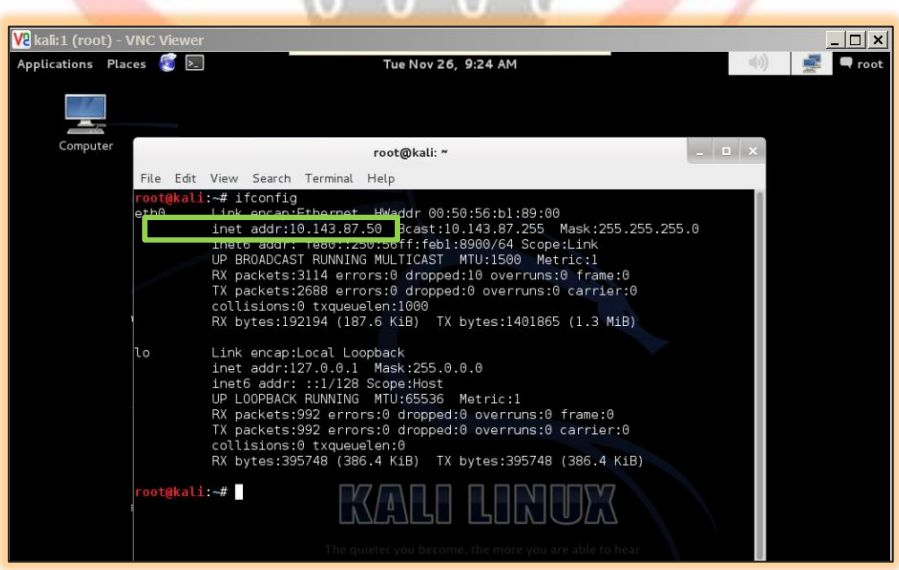



Once you hit "Connect", the following warning appears on the screen. Check the box "Do not warn me…" and click continue.


Once you hit "Continue" VNC Viewer will ask the password. Insert "passwd".




After few seconds the screen of the remote machine appears:



# 2. LINUX USERS

## A. ENTER THE LAB

Once the connection to the lab has been established, you can interact with the webserver in different ways: SSH, VNC or your web browser.

For reviewing or editing the code we suggest you to use SSH. This will give you a fast connection to the code; while you can use your web browser to navigate through the web application. The VNC access, is an extra way you could use, for example, if you want to have GUI access to the webserver.

The web server address, is always **10.143.87.50**

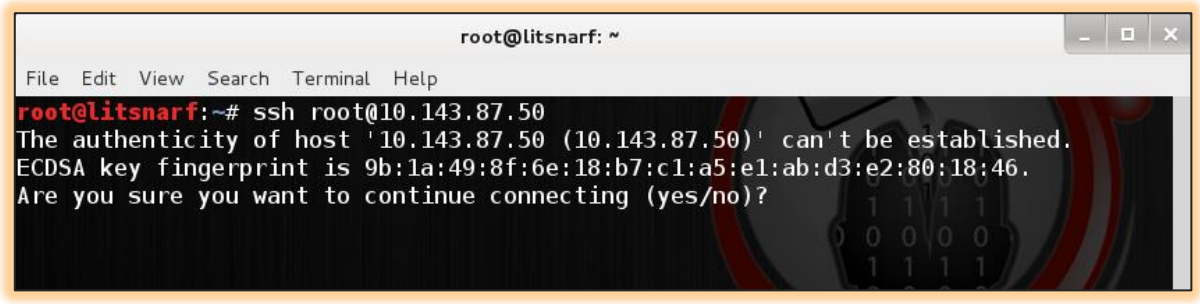
### i. SSH CONNECTION

The following table summarizes the SSH settings

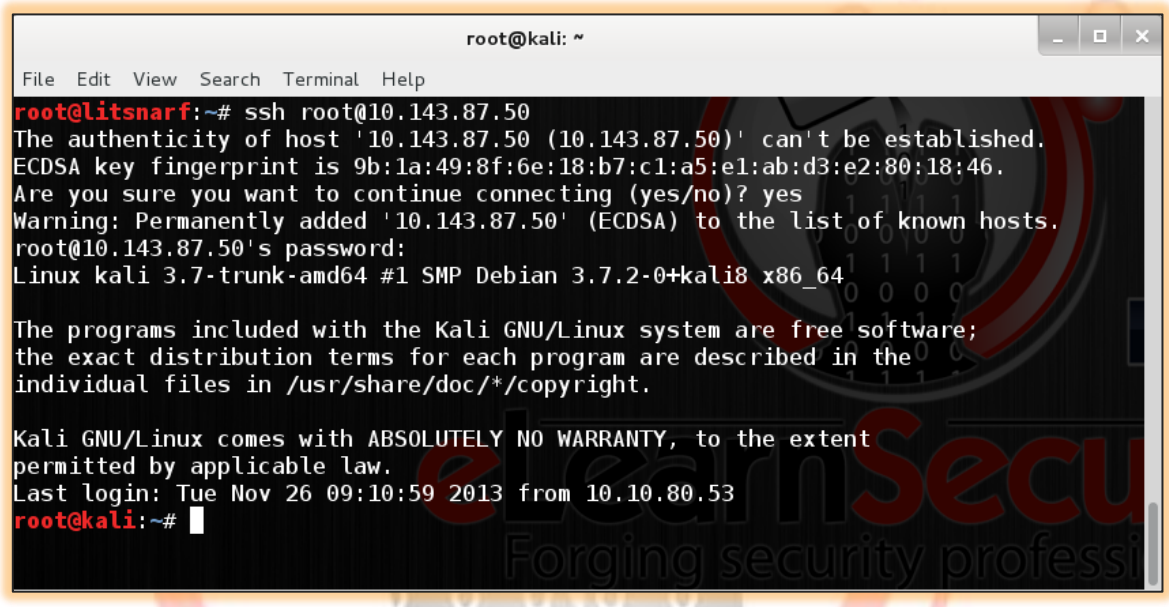
```
Remote IP Address: 10.143.87.50
Remote port: 22
Username: root
Password: toor
```

***Note**: this configuration is valid for all the labs related to this course*

You can start an SSH connection with the following command:




Then write yes to continue and insert the password (*toor*):




## ii. YOUR WEB BROWSER

In order to access the web application easily through your web browser, add the following entries inside the **hosts** file located at:

```
/etc/hosts
```

This is a ***non-complete*** list of entries you could add to the hosts file:

```
# PWD Labs
10.143.87.50 example.com
10.143.87.50 hospital.com
```

```
10.143.87.50 powerplant.com
10.143.87.50 monitoring.com
10.143.87.50 hr-portal.com
10.143.87.50 sales-portal.com
```

Finally, test your connection to the lab by opening the following URLs:

- http://example.com

***YOU SHOULD SEE DIRECTORY INDEXING IN THESE URLS!***

***Note**: the binding with some sites may be already cached in your web browser. To apply these changes you should delete the DNS cache of the browser.*

If you use **Chrome** or **Firefox**, please refer to the following link, on how to delete the DNS cache of your browser: https://techwiser.com/clear-dns-cache-on-browser

### iii. VNC CONNECTION

The following table summarizes the VNC settings:

| |
|---|
| **Remote IP Address**: 10.143.87.50 |
| **Remote port**: 5901 |
| **Username**: |
| **Password**: passwd |

***Note**: this configuration is valid for all the labs related to this course*

In order to start a VNC session you can use the following command:

```
vncviewer 10.143.87.50:5901
```

and then, insert the password “passwd”: