Cyber Security Roadshow - DTU Notes

Hands on hacking - Installation Guide

Preface

This section provides necessary resources on how to install VirtualBox and set up a working guest environment such that a user can complete the provided material. This guest OS will be used as the attacking machine. A virtual instance of Kali Linux has been prepared with all necessary material already installed. If for some reason another instance of Kali Linux is preferred, Docker Compose must be installed on the host to spawn the target application. Also, the Github repository must be cloned to the guest OS as well.

VirtualBox installation

Initially, VirtualBox must be installed in order to spawn a guest OS on the host. Installation packages for the corresponding host (Windows, OS X, Linux) can be found here https://www.virtualbox.org/wiki/Download.

It is optional to install the Oracle VM VirtualBox Extension Pack, which allows functionality like USB 2.0 and 3.0 passthrough. See more here https://www.virtualbox.org/wiki/Downloads.

Once VirtualBox has been installed the provided Kali Linux image must be imported. To import the image choose *File* then *Import Appliance* and locate the provided .ova file. As shown below.
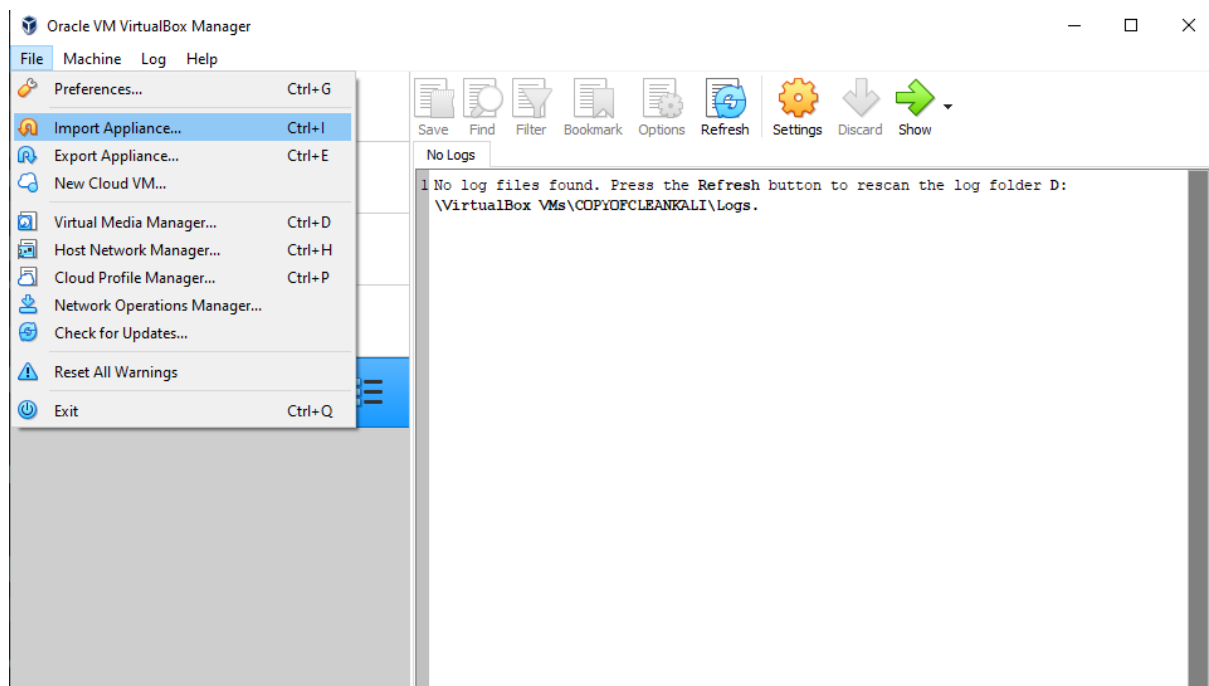
Credentials for the provided Kali Linux:
Username: *kali*
Password: *kali*

If another image is prefered the user must download such image and install it in a similar way.

Docker Compose installation

Docker Compose is already installed and configured in the provided image. However, if another image is used an installation guide can be found here https://docs.docker.com/compose/.

Application installation from Github

The application is already installed on the provided Kali Linux. if another instance of Kali Linux is used, it is neccesary to download the application on Kali Linux from the Github page https://github.com/ABreum95/Cyber-Security-Roadshow and placed it on the desktop. Note that virtualization must be enabled in the host's BIOS/UEFI. If not, one will have to do so.

Run the application

To run the application, open a terminal navigate to the applications folder, Cyber-Security-Roadshow located on the desktop and enter the following commands.

sudo docker-compose build

sudo docker-compose up -d

Wait a few minutes to let the SQL server start
To stop the application from running run the following command:

sudo docker-compose down