**COMPUTER SUBJECT:** NETWORK SECURITY

**TYPE:** GROUP WORK

**IDENTIFICATION:** Kali-Tools/MICL&MOFA

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**LEVEL:** INTERMEDIATE

**DURATION:** 2 hours - 1 month

**SIZE:** 200 lines!!

**OBJECTIVE:** Various tools for sniffing, spoofing etc.

**REQUIREMENTS:**

**COMMANDS:**

IDENTIFICATION: Kali-Tools/MC

Prolog

You have successfully finalized the IT-Security course. You will like to investigate more!.

The Mission

You are to discuss and apply different techniques to break network security.

Purpose

The purpose is to apply various tools on Linux and to understand how to apoof, sniff others on the net. In order to do this we must install a tool from Kali-Linux on our Ubuntu-server.

*Useful links*

<http://www.windowsecurity.com/articles-tutorials>

<http://www.kalitutorials.net/>

<http://www.kalitutorials.net/2013/08/kali-linux.html>

<http://www.hackingtutorials.org/wifi-hacking-tutorials/top-10-wifi-hacking-tools-in-kali-linux/>

<http://tools.kali.org/>

<http://www.techrepublic.com/article/pro-tip-install-kali-linux-tools-on-ubuntu-with-this-easy-script/>

<http://www.tecmint.com/install-kali-linux-tools-using-katoolin-on-ubuntu-debian/>

Assignment 1: Installation of Kali Tools

1. Follow the following procedure:

sudo su

apt-get update

apt-get install git

git clone https://github.com/LionSec/katoolin.git && cp katoolin/katoolin.py /usr/bin/katoolin

chmod +x /usr/bin/katoolin

sudo katoolin

*Now Choose*: 1 Add Kali -> 1 Add Kali repositories -> 2 Update

*Then enter:* back ->

*Choose:* 2 View Categories -> 0 All

*Choose* menu 3) and 4) to install Kali menu

Exit by CTRL-C

Tips: For a detailed description go to:

<http://www.tecmint.com/install-kali-linux-tools-using-katoolin-on-ubuntu-debian/>

<http://www.techrepublic.com/article/pro-tip-install-kali-linux-tools-on-ubuntu-with-this-easy-script/>

Assignment 2: nmap commands

nmap is a security scanner provided by Kali Tool to discover hosts, services operating system detection on a networks (map).

1. Look up the nmap.txt document on teachers home page
2. Try the commands one by one

Assignment 3: Explore (optional)

Now explore all the other possibilities in Kali Tools

It can take some weeks ☺