CS 490 / ECE 492: Embedded Systems Security
Hands-on Experiment #00
Total Points: 50

Assigned Date   : Monday, 11 January 2016
Due Date   : Wednesday, January 13, 2016 @ 01:14:59 p.m.

1 Install Kali Linux

Pair up into groups of 2 and pick a desktop station in lab. This will be your group's desktop for the remainder of the semester to use as you see fit.

We will use Kali Linux as our desktop OS for the semester. Kali is a purpose built Linux distro. with lots of security programs built in. DVDs will be provided. The install instructions can be found online at http://docs.kali.org/installation/kali-linux-hard-disk-install. Follow their instructions to create the base install.

The only modification is that the desktops in the lab have permanent, publicly addressable IPs, so you will have to manually configure the network connection. Use the provided sticker on your desktop for the relevant information, and ask us any questions you have.

Your first security lesson is that you should change the root password from the default as part of the install. Make sure both you and your partner know this password in case you need to install updates or extra software. Secondly, by default, Kali Linux uses only the root account, so after install this is the only account you can use to log in. After logging in as root, you should create two separate user accounts, one for yourself and one for your partner. Use your e-id as the username, although the password isn't linked to your e-id, so you can use whatever you would like for that. You also don't need to share this with your partner if you don't want to (but remember they have root, so they can access your account if they have to). Test it by logging out as root and logging in as either user. It is crucial that this is done before Wednesday, as having a working desktop is fundamental to the rest of the coursework.