



40 Hours – לינוקס לאנשי תשתיות

Overview

An introduction to modern information and system protection technology and methods. Introduction to Cyber Security was designed to help learners develop a deeper understanding of modern information and system protection technology and methods.

Prerequisites

- CCNA \ MCSA Course
- Interest to learn the fundamentals of Cyber Security.
- Basic Understanding of the Computers and the Internet.

Course content

What is Linux ? Why Linux?

- History.
- Difference Between Linux and Windows
- Difference Between Linux and Unix
- GNU
- Various Linux Distributions.
- Pros and Cons

Root

- Who/why/what is root

Basic commands

- mkdir
- touch
- ls
- pwd
- cd
- chmod
- df
- du
- dd
- adduser
- sort
- passwd
- rm/rmdir
- date
- tar
- gzip
- top

Editors

- Vi Editor

GNU/LINUX OS Installation

Basic System configuration and Administration.

OS Installation.

Understanding Files and Directories in Linux

- File Structure and hierarchy
- File Permissions
- LVM overview

Schedulers

- cron
- at

User Administration

Software Installation In Linux

- RPM
- make

TCP/IP Network Management

- route
- ifconfig
- ping
- netstat

Driver/Module Installation and Removal.

- modprobe
- rmmod
- insmod
- lsmod
- modinfo

OpenSSH - The GNU/Linux Secure Shell

- ssh
- Sshd
- scp

sudo and su - Giving users SuperUser Privileges