

Linux System Administrator II (LNX02)

Duration 3 Days

OBJECTIVES

This course is designed for IT professionals working about Linux system administrator. It is follow up to Linux System Administrator I and continues to study advance of Linux in depth and more application module.

PREREQUISITES

Already take course Linux System Administrator I (LNX01) or familiar and more experience Linux system basic.

OUTLINE

Day 1

- History of Linux
- Partition and Directory on Linux
- File system and Directory structure
- Prompt for user and super user
- Login/logout and sudo command
- Basic Linux command
- Re-direction symbol and information
- (>, >>, |, 2>)
- Fundamental Vi editor
- Fundamental Linux shell
- Basic shell script
- Basic network command
- Schedule task with cron
- Monitor and Controller System tool (top, ps, kill)
- Runlevels
- Shutdown
- Installation Fedora Linux
- Managing flexible storage with the Logical Volume Manager (LVM)

Day 2

- Fundamental Linux kernel
- Kernel directory structure
- Recompile and install kernel
- Tuning and maintaining the kernel
- Managing and tuning service
- Control the Boot Process
- System recovery techniques
- Fundamental LDAP
- Installation and maintenance LDAP daemon
- Network user accounts with LDAP

- Automated installations of Linux Enterprise
- Fundamental of Virtual Machine
- Installation and maintenance virtual machine
- NFS (Network File System)

Day 3

- Fundamental DHCP
- Installation and manage DHCP service
- Fundamental NTP service
- Installation and manage NTP service
- Fundamental Web server
- Installation and manage web server
- Fundamental Web proxy
- Installation and manage Squid web proxy
- Fundamental Mysql database server
- Installation and manage Mysql database via PhpMyadmin
- Fundamental Cacti
- Installation and manage Cacti
- System management tool (webmin)
- Installation and manage webmin