

# 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

- System Administrator job
- Management and routine work for System Administrator
- Basic TCP/IP network command (ifconfig, netstat, route)
- Network environment file (hosts file, hostname, nsswitch.conf)
- Software update and Package management (GUI and yum)
- Remote from another machine to Linux (telnet, secure shell, GUI remote)
- Manage a firewall and understand SELinux concepts and manage SELinux
- Pack/unpack command (zip, tar, cpio)
- Archive Manager (GUI Tool)
- Backup and restore concept and command
- Deploy an FTP server and web server
- Configure general service and chkconfig
- Problem and troubleshooting
- Summary and Q&A

### 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)
- Summary and Q&A

### 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
- Summary and Q&A