3 Days Course on

Linux Fundamentals & Administration

About the Course

Many people still believe that learning Linux is difficult, or that only experts can understand how a Linux system works. Though there is a lot of free documentation available, the documentation is widely scattered on the Web, and often confusing, since it is usually oriented toward experienced UNIX or Linux users. Today, thanks to the advancements in development, Linux has grown in popularity both at home and at work.

The goal of this 3-days training course is to show participants of all ages that Linux can be simple and fun, and used for all kinds of purposes. This is a fairly intensive course with practical hands-on training for participants relatively new to configuring Linux system.

Pre-Requisites

Basic knowledge in operating system

Who Should Attend

This course targets anyone with an interest in Linux operating system but the main focus is for system/server administrators (beginner level), and those interested in configuring and maintaining Linux servers.

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fees	Contact us at sales@2-sigma.com
Timings	0900-1700 (3 Days)
Audience	IT Officer, System and Server administrators
Level	Basic-to-Intermediate

Linux Fundamentals & Administration

Day 1	
09.00am – 10.00am	**Linux Evolution & Operation** • Linux History & Overview • Linux Distributions • Linux System Architecture • Open Source and GNU Movements

Time	Topic
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	**Installing and Configuring Linux** • Linux Installation • Run Levels and the Start-up/Shutdown Sequence • Logging In and Out of a Linux System • Online Documentation – man Pages • Online Documentation – info Pages • Try a Few More Linux Commands
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	**Linux File System** • Overview of the Linux File System & Partitioning • Orientation in the File System • Manipulating Files • File Permission & Access Right
Day 2	
09.00am – 10.00am	**Linux Processes** • Multi-user Processing and Multi-tasking • Linux Process Structure & Operation • Life and Death of a Process • SUID and SGID
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	**Linux Processes (Continue)** • Boot and Init Process • GRUB Features • Managing Processes • Scheduling Processes: Command, Cron and Crontab
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	**Using the Shells** • Common Shell Setup Files & Configuration • Standard Input, Standard Output and Standard Error • I/O Redirection • Advanced Redirection Features • Filters (grep)
Day 3	
09.00am – 10.00am	**Text Editors** • Linux Text Editors (pico, emacs, vi,) • Text Editors Commands
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	**Configuring Linux Environment** • Configuring the Prompt • Configuring the Graphical Environment • Windows Manager & Desktop Environment • X Client-Server System • Installing and Updating Packages • Backup Techniques

	Linux Printing • The Line Printer Daemon (lpd) • Printing • Administering and Troubleshooting Linux Printer
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	**Networking** • Network Configuration and Information • Internet/Intranet Applications: Server Types, Mail, Web, FTP, DNS, DHCP, & Authentication Services • Remote Execution • Network Security : Firewalls and Intrusion Detection System

.

More Information

Two Sigma Technologies
19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor
Tel: 03-61880601/Fax: 03-61880602

To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.