Linux System Administrator

OBJECTIVES

> This course is best for the technical and system administrator who want to have a complete and clear on logic of a Linux system. It shall examine all issues and in-depth more useful on Linux systems administration. The course deepens the knowledge of the system in its structure: the file system, the shell, networking, the kernel and modules, the management of users and of the programmes, understanding the boot process, the analysis od the benefits of the system, the management and the scheduling of the processes. The didactic activities is strongly based on laboratory practices. It will be coparaison with the operating systems and between the various Linux distributions.

TARGET AUDIANCE

> The course is aimed at network administrators, system and simple users engaged in development, management and use of computer systems based on Linux operating system

CONTENTS

> Installation of Linux on the network
> the management of device, file system, attributes and permissions
> Introduction to commands main research and display of file
> Management and diagnostics of process
> Knowledge the process of start-up, from the boot loader GRUB and LILO to Init.
> Management services on start-up and events
> Storage, checksum and comparison of file
> Installation of the software through packages or compilation from source code
> Troubleshooting in Linux, importance of log and controls of diagnostic
> Configuration networking and management of Internet services
> Diagnostic issues to network
> Hardening of a Linux system after a standard installation
> Management instruments with graphs of a Linux system after including the "nature textual"
> Compilation of the Kernel and management of the modules

DURATION

3 days