



Linux Basics

Method: classical education.

Participants: everybody who wants to know more about Linux and wants to follow other Linux courses. This course is also aimed towards the desktop user.

Goals: upon completing this course, you will be able to:

- log into a Linux-system and use a password
- consult the on-line Linux documentation
- administer files and directories
- use the standard Linux editors to manipulate files
- control processes
- change and customise the workspace
- write basic shell scripts
- copy files to and from several system devices
- change file attributes such as permissions and ownership
- use a number of popular Linux tools and utilities
- handle compressed files
- connect to remote services such as the web and the FTP service
- install additional applications

Chapter overview:

- an introduction to Linux
- your home: the desktop environment
- your friend at all times: the terminal
- the right tools for the job
- using the net
- what if you need help?
- digging a little deeper: basic Linux internals
- making your life easier: basic shell scripting
- connecting to remote services
- installing your own apps
- the future of Linux

Course duration: 4 days

Course schedule:

- 04 February 2002
- 15 April 2002
- 10 June 2002

Price: 1.400,- EUR (VAT excl.)



Linux System Administration

Method: classical education with exercises

Participants: everybody who is responsible for system administration, the implementation and the administration of Linux on the x86 architecture

Goals: upon completing this course, you will be able to:

- install a Linux distribution and compile a new kernel
- install and configure the LILO boot loader
- install and configure the X-Windows system
- use system administration tools to facilitate your tasks
- configure terminals, printers and tape devices
- understand detailed Linux filesystem structure
- administer groups and users
- define security concepts and perform safety tasks
- make system back-ups and restores
- use subsystems for system administration and tasks like *cron* and *at*
- integrate a workstation with an existing network running common network services
- perform basic performance, memory and process management

Chapter overview:

- Installing Linux
- System start-up and shutdown
- Managing filesystems
- Files and directories
- Kernel configuration
- Package management
- Administration tools
- Process management
- Memory management
- User management
- Logging
- Scheduling
- Backup and restore
- Printing
- Networking
- Security
- X-windows

Course duration: 5 days

Course schedule:

- 25 February 2002
- 13 May 2002
- 17 June 2002

Price: 1.700,- EUR (VAT excl.)



Apache Webserver for Linux

Method: classical education with practical exercises.

Participants: system administrators, network administrators and webmasters who are responsible for configuration, usage and support of Apache on Linux. If you want to learn how you can run a website or a cluster of websites with the aid of Apache, then this is the perfect course for you.

Goals: upon completing this course, you will be able to:

- install Apache from a Red Hat RPM and from the source
- configure Apache for single use and web server farms
- understand dynamic pages generated with CGI's, PHP, Perl,...
- manage database interconnectivity
- solve problems with Apache
- execute Apache performance tuning

Chapter overview:

- installation
- advanced set-up of the various httpd configuration files
- the Comanche configuration tool
- virtual Hosting (IP based and DNS based)
- security, including Secure Socket Layer
- logging
- Pre Hypertext Programming Language basics (PHP)
- database interconnectivity within Apache.

Course duration: 3 days

Course schedule:

- 28 March 2002
- 24 April 2002
- 1 July 2002

Price: 1.100,- EUR (VAT excl.)



SAMBA: Windows integration for Linux.

Method: classical education with practical exercises.

Participants: system administrators and network administrators who are responsible for configuration, usage and support of Samba on Linux. In this course, you'll find out everything about Samba, its powerful file and print services and the ability to integrate with Windows clients and servers in a seamless manner.

Goals: upon completing this course, you will be able to:

- install Samba from a Red Hat RPM
- configure Samba as a fileserver and print server for Windows clients
- solve problems and tune Samba for better performance
- use the Samba Web Administration Tool (SWAT)
- configure Samba as a PDC and a master browser

Chapter overview:

- installation of Samba
- general configuration
- file sharing (client-side and server-side)
- printer sharing
- advanced Samba features
- GUI administration with SWAT
- performance tuning and troubleshooting
- Samba, the next generation
- Integration in both NT, 2000 and XP environments
- Specific problems and problemsolving

Course duration: 2 days

Course schedule:

- 28 March 2002
- 23 May 2002
- 04 July 2002

Price: 750,- EUR (VAT excl.)



Linux TCP/IP Administration

Method: classical education with practical exercises.

Participants: network administrators responsible for configuration, usage and support of TCP/IP and other network services such as DHCP, DNS, NFS and NIS on Linux. The primary purpose of this course is to learn about TCP/IP network configuration and network administration. You'll also acquire the skills needed for the implementation and the use of PPP, DHCP, mail, static and dynamic routing, DNS, NFS and NIS.

Goals: upon completing this course, you will be able to:

- understand the basic concepts of TCP/IP protocols and addressing
- understand TCP/IP broadcasting and multicasting
- configure TCP/IP and PPP on Linux
- understand DHCP and build a DHCP server on Linux
- connect different TCP/IP networks by static and dynamical routing
- configure and implement DNS, NFS, NIS
- configure and implement electronic mail
- solve normal network problems
- set up a proxy server
- set up LDAP services

Chapter overview:

- The OSI-model
- The TCP/IP model
- Networking
- The firewall
- Routing
- Security
- The nameserver
- E-mail
- The Webserver
- Bootp and DHCP
- File Transfer Services (FTP, SMB, NFS)
- Remote Procedure Call
- Serial communication
- LDAP
- Troubleshooting
- Other daemons

Course duration: 5 days

Course schedule:

- 18 March 2002
- 03 June 2002

Price: 1.700,- EUR (VAT excl.)



Registration form

Company information: Mr/Mrs: _____ Job title : _____ Company: _____ Address: _____ Postal code: _____ City: _____ Phone # : _____ Fax: _____ E-mail: _____ V.A.T.-number: _____	Billing information: (if different from company info) Mr/Mrs: _____ Job title: _____ Company: _____ Address: _____ Postal code: _____ City: _____ Phone # : _____ Fax: _____ V.A.T.-number: _____
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Wishes to register the following people:

<i>First & last name</i>	<i>Course type</i>	<i>Unit Price</i>
Total amount (VAT excl.):		EUR

Date & signature:

Please complete this form and fax it to the following number: +32 16 207973.
 For more information please contact our Educational Services staff at LIFE: +32 16 208961.
 Or send us an E-mail: edu@valinux.com