

# CompTIA Linux+



CompTIA Linux+ is a vendor-neutral certification, generic across distributions, targeted to individuals with a minimum of six to 12 months of practical Linux experience. The CompTIA Linux+ exam covers fundamental management of Linux systems from the command line, user administration, file permissions, software configuration and management of Linux-based clients.

Oracle and Novell recognize CompTIA Linux+ in certain certification tracks, and it is recommended for Hitachi Electronics and Fujitsu Japan employees.

## Course Contents

- Installation and Configuration
- System Maintenance and Operation
- Application and Services
- Networking
- Security

## Target Group

This training is for all professional who intend to become System Administrators/ Engineers, Technical support Engineers, Network Analyst, and Technical Consultant.



## Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On [www.expertech-benelux.com](http://www.expertech-benelux.com) under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



# CompTIA Linux+

**5 days** €1,650 exclusive of V.A.T.

## Course date (dd.mm.yy)/Location

Course dates available on request

Up-to-date information: [www.expertech-benelux.com](http://www.expertech-benelux.com)

TIAL



EXPERTech



One2train

**ICT Training**  
Benelux

### Installation and Configuration

Compare and contrast installation sources  
 Implement partitioning schemes and filesystem layout  
 Explain the purpose for using each of the following filesystem types  
 Conduct routine mount and unmount of filesystems  
 Explain the advantages of having a separate partition or volume  
 Configure the boot process  
 Perform package management functions  
 Configure profile and environment variables system-wide and at the user level  
 Troubleshoot boot issues  
 Manage devices

### System Maintenance and Operations

Given a scenario, use the following fundamental Linux tools, techniques and resources  
 Conduct basic tasks using BASH  
 Given a scenario, analyze system and application logs to troubleshoot Linux systems  
 Conduct and manage backup and restore operations  
 Explain the following features and concept of X11  
 Explain the difference in runlevels and their purpose  
 Manage filesystems using  
 Implement task scheduling  
 Utilize performance monitoring tools and concepts to identify common problems

### Application and Services

Manage Linux system services  
 Implement interoperability with Windows  
 Implement, configure and maintain Web and FTP services  
 Given a scenario, explain the purpose of the following web-related services  
 Troubleshoot web-related services  
 Given a scenario, troubleshoot common FTP problems  
 Given a scenario, perform the following MySQL administrative tasks  
 Explain the purpose of each of the following mail services, protocols and features  
 Deploy and manage CUPS print services  
 Set up, install, configure and maintain a BIND DNS server and related services  
 Perform basic administration of the DHCP server  
 Given a scenario, troubleshoot NTP related issues

### Networking

Identify common networking ports and the associated service  
 Execute network interface configuration

Implement configurations and/or configuration changes  
 Explain the different DNS record types and the process of DNS resolution  
 Troubleshoot basic connectivity issues  
 Troubleshoot name resolution issues

### Security

Manage and monitor user and group accounts  
 Given a scenario, select the appropriate file permissions and ownership and troubleshoot common problems  
 Explain the basics of SELinux  
 Given a scenario, implement privilege escalation  
 Explain the appropriate use of the following security related utilities  
 Use checksum and file verification utilities  
 Deploy remote access facilities  
 Explain the methods of authentication



### ExterTeach Benelux

Emmastraat 6d • 4th floor  
 4811 AG Breda  
 Phone +31 (0)76 52 32 950 • Fax +31 (0)76 52 32 959  
 info@experteach-benelux.com • www.experteach-benelux.com

© ExterTeach GmbH, all specifications made are exempted from liability.

Status 21.12.2011