

What You Need To Be at the Top of the Linux Field

Novell Adds an On-demand Course That Helps You Prove You're the Best

In [More of What You Need, When You Need It](#), we reviewed four new On-demand Training courses that have recently been added to the On-demand Library: SUSE Linux Enterprise 11 Fundamentals (Course 3101 v1), SUSE Linux Enterprise 11 Administration (Course 3102 v1), SUSE Linux Enterprise Server 11 Administration (Course 3103 v1) and SUSE Linux Enterprise Desktop 11 Administration (Course 3104 v1). Through the On-demand Training format, these courses have made available the high-level training that previously was available only through Partner-led training and self-study kits.

In that past article, we covered some of the benefits of these courses, such as their value, flexibility, convenience and quality. Those are obviously important, but the content is just as important. Why? Because each of them prepares you for important exams, credentials and certifications from Novell that demonstrate your abilities to current and prospective employers. Thus, by completing Courses 3101–3104, you are prepared to become a Certified Linux Administrator (CLA) and to take the Certified Linux Professional (CLP) 11 Practicum and CLDP exams.

Now Novell is unveiling a new course: The Novell Guide to CompTIA's Linux+ with SUSE Linux Enterprise Server 11 (Course 3106), which prepares you for the important CompTIA Linux+ certification. The CompTIA Linux+ certification is recognized throughout the industry as a benchmark certification for professionals who work with open source platforms (See <http://CompTIA.org>). With Novell certifications under your belt and then with the addition of the important CompTIA Linux+ certification, you will be a recognized Linux expert!

> **The Novell Guide to CompTIA's Linux+ with SUSE Linux Enterprise Server 11 (Course 3106)**

Want to become a recognized expert at using Linux? Interested in obtaining a CompTIA Linux+ certification?

Course 3106 teaches you basic Linux administrative skills as they apply to SUSE Linux Enterprise Server 11. While existing Linux knowledge is helpful to succeed in this course, it's not required. You should, however, have good knowledge of using a graphical user interface, such as Microsoft Windows XP or Mac OS X, and you should be familiar with PC basics including partitions, file systems, directories, files and fundamental TCP/IP networking concepts. With this background and a good knowledge of how to administer a Windows environment, you can complete this five-day training course at a Novell Authorized

Training Center to prepare for the latest version of the CompTIA Linux+, which will be available in PearsonVUE and Prometric testing centers soon. In addition, it will be added to the Novell On-demand Training Library by mid-December!

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. Accordingly, Course 3106 covers the following topics:

- SUSE Linux Enterprise Server 11 installation using the Linux desktop and the command-line interface
- managing directories and files in the Linux system
- using YaST to administer the system
- using the command-line interface to administer the system
- understanding processes, jobs and runlevels
- managing the network configuration
- managing network services (file, print, DNS, Samba, Apache)
- managing security
- understanding hardware basics

> **Prepared for Success**

After completing Courses 3101–3104 and receiving the possible Novell certifications available for Linux operators, Course 3106 – *The Novell Guide to CompTIA's Linux+ with SUSE Linux Enterprise Server 11* – is the natural next step to helping you become as competitive as possible. Successful completion of this course prepares you for the CompTIA Linux+ certification, which is a vendor-neutral certification and generic across distributions. It is targeted to individuals with a minimum of six to 12 months of practical Linux experience. With this important, industry-recognized certification, you will be prepared for success!

Course Objectives for The Novell Guide to CompTia's Linux+ with SUSE Linux Enterprise Server 11 (Course 3106)

SECTION 1 Use the Linux Desktop and the Command Line Interface

- use the GNOME desktop environment
- access the command-line interface from the desktop
- work with the Linux shell
- use command-line tools to work with files and directories

SECTION 2 Install SUSE Linux Enterprise Server 11

- understand partitions, LVM, RAID and file systems
- perform a SUSE Linux Enterprise Server 11 installation
- understand the File System Hierarchy Standard (FHS)

SECTION 3 Administer SUSE Linux Enterprise Server 11 with YaST

- get to know YaST
- manage server software with YaST
- manage user and group accounts with YaST
- the X Window System

SECTION 4 Administer SUSE Linux Enterprise Server 11 With the Command Line

- manage software
- manage user and group accounts
- manage file permissions and ownership
- manage partitions, file systems, quotas and NFS
- manage backup and restore
- manage hardware

SECTION 5 Understand Processes, Jobs and Runlevels

- understand and manage Linux processes
- manage jobs with cron and at
- understand system initialization and manage runlevels
- use monitoring and troubleshooting tools

SECTION 6 Configure the Network

- understand TCP/IP and Linux network terms
- manage the network configuration information from YaST
- manage the network configuration with command-line tools
- troubleshoot networking issues
- configure DHCP
- understand the iptables command

SECTION 7 Understand Applications and Services

- configure the Samba server
- configure the Apache Web server
- enable an FTP server
- configure electronic mail
- configure a CUPS server
- configure a DNS server with BIND
- configure the NTPD
- enable xinetd
- configure the proxy server squid

SECTION 8 Understand Security-Related Tools

- manage and secure the Linux user environment
 - provide secure remote access with OpenSSH
 - configure user authentication with PAM
 - ensure file integrity
 - use security-related utilities
 - understand SELinux
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