

Introduction

Migrating from RedHat to SUSE Linux Enterprise Server 10 (Course 3068) focuses on the main differences between Red Hat Enterprise Linux 4 and SUSE Linux Enterprise Server 10.

It enables an experienced Linux administrator familiar with RedHat Enterprise Linux 4 to perform administrative tasks on the SUSE Linux Enterprise Server 10 platform.

By covering the administrative details specific to SUSE Linux Enterprise Server 10, this course prepares you to take the Novell Certified Linux Professional 10 (Novell CLP 10) certification practicum test—provided you already have the general Linux knowledge covered in the courses *SUSE Linux Enterprise Server 10 Fundamentals* (Course 3071), *SUSE Linux Enterprise Server 10 Administration* (Course 3072), and *SUSE Linux Enterprise Server 10 Advanced Administration* (Course 3073).

This course also covers topics that are not part of the Novell CLP 10 certification, but are of importance in migration scenarios, like iSCSI, OCFS, or specific differences in mail or web server configuration.

The contents of your student kit include the following:

- *Migrating from RedHat to SUSE Linux Enterprise Server 10* Manual
- *Migrating from RedHat to SUSE Linux Enterprise Server 10* Workbook
- *Migrating from RedHat to SUSE Linux Enterprise Server 10* Course DVD
- *SUSE LINUX Enterprise Server 10* Product DVD
- *SUSE LINUX Enterprise Desktop 10* Product DVD

The *Migrating from RedHat to SUSE Linux Enterprise Server 10* Course DVD contains an image of a SUSE Linux Enterprise Server 10 installation that you can use with the *Migrating from RedHat to SUSE Linux Enterprise Server 10* Workbook outside the classroom to practice the skills you need to take the Novell CLP 10 Practicum exam.



Instructions for setting up a self-study environment are in the setup directory on the Course DVD.

Course Objectives

This course teaches theory as well as practical application with hands-on labs of the following *Migrating from Red at to SUSE Linux Enterprise Server 10* topics on SUSE Linux Enterprise Server 10:

- Install SUSE Linux Enterprise Server 10
- YaST
- Network Configuration
- Manage the Linux File System
- Manage System Initialization
- Configure Mail and Web Services
- AppArmor
- Manage Virtualization with Xen
- iSCSI
- Cluster File Systems

The Appendix includes a section on AutoYaST and a section with information on points to watch on actual migrations.

Audience

The primary audience for this course are experienced Red Hat Linux Administrators, like RHCEs, or those with comparable knowledge.

Certification and Prerequisites

This course helps to prepare for the Novell Certified Linux Professional 10 (CLP 10) Practicum Exam, called the *Practicum*. The Novell CLP 10 is a prerequisite for the higher level certification Novell CLE 10 Practicum.

As with all Novell certifications, course work is recommended. To achieve the certification, you are required to pass the Novell CLP 10 Practicum (050-697).

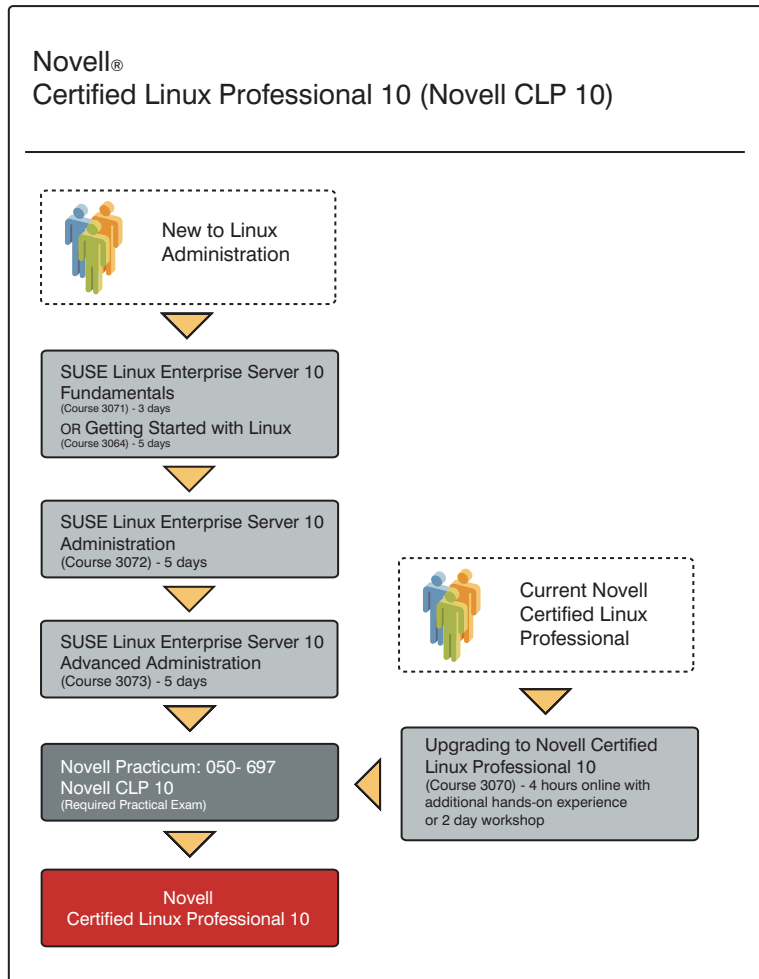
The Novell CLP 10 Practicum is a hands-on, scenario-based exam where you apply the knowledge you have learned to solve real-life problems—demonstrating that you know what to do and how to do it.

The practicum tests you on objectives covered in the courses:

- *SUSE Linux Enterprise Server Fundamentals* (Course 3071)
- *SUSE Linux Enterprise Server Administration* (Course 3072)
- *SUSE Linux Enterprise Server Advanced Administration* (Course 3073)

The following illustrates the training and testing path for Novell CLP 10:

Figure Intro-1





For more information about Novell certification programs and taking the Novell CLP 10 and CLE 10 Practicum exam, see <http://www.novell.com/training/certinfo/>, <http://www.novell.com/training/certinfo/clp10>, and <http://www.novell.com/training/certinfo/cle10>.

Before attending this course, you should have the general Linux knowledge (i.e. the topics not specific to SUSE Linux Enterprise Server 10) covered in the courses:

- *SUSE Linux Enterprise Server 10 Fundamentals* (Course 3071)
- *SUSE Linux Enterprise Server Administration* (Course 3072)
- *SUSE Linux Enterprise Server Advanced Administration* (Course 3073)

SUSE Linux Enterprise Server 10 Support and Maintenance

The copy of SUSE Linux Enterprise Server 10 you received in your student kit is a fully functioning copy of the SUSE Linux Enterprise Server 10 product.

However, to receive official support and maintenance updates, you need to do one of the following:

- Register for a free registration/serial code that provides you with 30 days of support and maintenance.
- Purchase a copy of SUSE Linux Enterprise Server 10 from Novell (or an authorized dealer).

You can obtain your free 30-day support and maintenance code at <http://www.novell.com/products/server/eval.html>.



You will need to have or create a Novell login account to access the 60-day evaluation.

Novell Customer Center

Novell Customer Center is an intuitive, web-based interface that helps you to manage your business and technical interactions with Novell. Novell Customer Center consolidates access to information, tools and services such as:

- Automated registration for new SUSE Linux Enterprise products
- Patches and updates for all shipping Linux products from Novell
- Order history for all Novell products, subscriptions and services
- Entitlement visibility for new SUSE Linux Enterprise products
- Linux subscription-renewal status
- Subscription renewals via partners or Novell

For example, a company might have an administrator who needs to download SUSE Linux Enterprise software updates, a purchaser who wants to review the order history and an IT manager who has to reconcile licensing. With Novell Customer Center, the company can meet all these needs in one location and can give each user access rights appropriate to their roles.

You can access the Novell Customer Center at <http://www.novell.com/center/>.

SUSE Linux Enterprise Server 10 Online Resources

Novell provides a variety of online resources to help you configure and implement SUSE Linux Enterprise Server 10.

These include the following:

- <http://www.novell.com/products/server/>
This is the Novell home page for SUSE Linux Enterprise Server.
- <http://www.novell.com/documentation/sles10/index.html>
This is the Novell Documentation web site for SLES 10.
- <http://support.novell.com/linux/>
This is the home page for all Novell Linux support, and includes links to support options such as the Knowledgebase, downloads, and FAQs.
- <http://www.novell.com/coolsolutions/>
This Novell web site provides the latest implementation guidelines and suggestions from Novell on a variety of products, including SUSE Linux.

Agenda

The following is the agenda for this 3-day course:

TableIntro-1

| | Section | Duration |
|-------|---|-----------------|
| Day 1 | Introduction | 00:30 |
| | Section 1: Install SUSE Linux Enterprise Server 10 | 02:00 |
| | Section 2: YaST | 02:00 |
| | Section 3: Network Configuration | 01:00 |
| Day 2 | Section 4: Manage the Linux File System | 01:30 |
| | Section 5: Manage System Initialization | 01:30 |
| | Section 6: Configure Web and Mail Services | 01:30 |
| | Section 7: AppArmor | 02:00 |
| Day 3 | Section 8: Manage Virtualization with Xen | 03:00 |
| | Section 9: iSCSI | 01:45 |
| | Section 10: Cluster File Systems | 01:45 |

Exercises

The exercises in this course consist of a description of the exercise, and step-by-step instructions on how to complete the task.

You should first try to complete the task described on you own, based on what is covered in the manual in the respective section. Resort to the step-by-step instruction only if you feel unable to complete the task or to find out if what you did was correct.

The exercises are contained in a separate workbook.

Exercise Conventions

When working through an exercise, you will see conventions that indicate information you need to enter that is specific to your server.

The following describes the most common conventions:

- ***italicized/bolded text***. This is a reference to your unique situation, such as the host name of your server.

For example, if the host name of your server is da10, and you see the following:

hostname.digitalairlines.com

you would enter

da10.digitalairlines.com

- ***10.0.0.xx***. This is the IP address that is assigned to your SLES 10 server.

For example, if your IP address is 10.0.0.10, and you see the following:

10.0.0.xx

you would enter

10.0.0.10

- ***Select***. The word *select* is used in exercise steps to indicate a variety of actions including clicking a button on the interface and selecting a menu item.
- ***Enter and Type***. The words *enter* and *type* have distinct meanings.

The word *enter* means to type text in a field or at a command line and press the Enter key when necessary. The word *type* means to type text without pressing the Enter key.

If you are directed to type a value, make sure you do not press the Enter key or you might activate a process that you are not ready to start.

