



SUSE LINUX 11

Object Arena Software Solutions (P) Ltd, a leading IBM products training center in Chennai pleased to impart SUSE LINUX11 Training through our Bright Career in Novell Certification program.

Course Description

With our SUSE Linux Fundamentals and Enterprise Server 11 Server Administration training course you will learn basic Linux Skills & SUSE Linux Enterprise Server 11 administration skills necessary to complete your basic SUSE Linux Enterprise Server 11 skill set. These skills prepare you to take the Novell Certified Linux Administrator (Novell CLA 11) and Novell Certified Linux Professional (Novell CLP 11) certification practicum test. This course also covers on how to become familiar with the Linux Desktop, confident ability to perform basic tasks in Linux, also to work with Linux shell and Command Line Interface, Configure and use Network Services, OpenLDAP, Samba Server, Web Server, IPv6, Deploy SUSE Linux Enterprise 11 and Manage Virtualization with XEN.

Object Arena - What Sets us apart?

- Structured course materials
- Novell Certification directed training
- Exhaustive, systematic step-by-sep lab exercises
- Interactive Classroom session, OHP slide display
- Hands-on best practices captured by experienced professionals
- Real-time projects scenarios
- Training by highly experienced Novell certified professionals
- Updating course in-line with the latest release by Novell , a continuous process
- Most competitive & affordable course fees
- List of established & satisfied clients (Visit our website).

Duration : 20 Days / 3 Hours a day

Customizable : Yes

Regular Batches : Morning, Evening & Weekends.

Pre-requisites: Students should have basic knowledge in Unix.

Value Added Services

- Placement assistance provided
 - Web Age will always try and work within your budget
 - Volume Discounts and long-term licensing options
 - Probable Novell certification test Q & A
 - Most popular Interview questions
 - Accommodation for outstation candidates.
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CURRICULUM

Module: 01

Getting to know SUSE Linux Enterprise 11

- Performing Basic Tasks
- Use the GNOME Desktop and Command Line Interface

Module: 02

Locate and Use Help Resource

- Access and use man, Info pages
- Use GUI-Based Help and web help

Module: 03

Manage the Linux File System

- File System Hierarchy Standard (FHS)
- Identify and Manage File Systems, directories with CLI
- Create, View and Find Files & Content
- Perform Other File Operations with Nautilus

Module: 04

Work with the Linux Shell and Command Line Interface (CLI)

- Commands at the Command Line
- Work with Variables & Aliases
- Special Characters, Piping & Redirection

Module: 05

Administer Linux with YaST

- Manage Network Configuration Information from YaST

Module: 06

Manage Users, Groups, and Permissions

- Manage User & Group Accounts, File Permissions and Ownership with YaST and CLI
- Linux User Security Features
- File System Security

Module: 07

Use the vi Linux Text Editor

- Use the Editor vi to Edit Files

Module: 08

Manage Software for SUSE Linux

- Manage Software with YaST on SLES 11 & SLED 11.
- Manage, RPM Software Packages & Zipper.
- Update and Patch SLE.

Module: 09

Install SUSE Linux Enterprise 11

- Perform and Troubleshoot SLES & SLED 11 Installation.

Module: 10

Manage System Initialization

- Describe Load Procedure.
- Manage GRUB (Grand Unified Bootloader) & Runlevels

Module: 11

Administer Linux Processes and Services

- Describe & Manage How Linux Processes Works

Module: 12

Administer the Linux File System

- Select, Configure, Manage File System & Partitions
- Configure Logical Volume Manager (LVM) and Software Raid
- Set Up and Configure Disk Quotas

Module: 13

Configure the Network

- Understand Network Terms.
- Manage, Set Up & Test the Network Configuration, Interface through YaST & CL Tool
- Configure the Hostname & Name Resolution.

Module: 14

Manage Hardware

- Device Drivers Working
- Manage Kernel Modules Manually
- Describe udev & sysfs File System

Module: 15

Configure Remote Access

- Provide Secure Remote Access with OpenSSH
- Enable Remote Administration with YaST
- Access Remote Desktops Using Nomad

Module: 16

Monitor SUSE Linux Enterprise 11

- Monitor a SUSE Enterprise 11 System.
- Monitor System Logging Services & Activity.

Module: 17

Automate Tasks

- Schedule Jobs with cron and at.

Module: 18

Manage Backup and Recovery

- Back Up Files with Yast, tar in CLI.
- Create Backups on Magnetic Tape.
- Copy Data, Mirror Directories using CLI.
- Automate Data Backups with cron.

Module: 19

Administer User Access and System Security

- Configure User Authentication with PAM.
- Manage & Secure User Environment.
- Use Access Control Lists (ACLs) for Advanced Access Control.
- Import a Packet-Filtering Firewall with SuSEfirewall2

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Module: 20

Enable Fundamental Network Services

- Configure NFS (Network File System)
- Configure Time on SUSE Linux Enterprise Server 11
- Enable the Extended Internet Daemon (xinetd).
- Enable an FTP Server.

Module: 21

Manage Printing

- Configure CUPS
- manage Print Jobs and Queues
- Understand how CUPS works.
- Configure and Manage Print Server access.
- Use the Web Interface to Manage a CUPS Server.

Module: 22

Configure and Use OpenLDAP

- Describe How LDAP Works
- Install and Configure OpenLDAP on SLES 11.
- Add, Modify, and Delete Entries to the LDAP Directory Tree

Module: 23

Configure and Use Samba

- Describe the Role and Function of Samba
- Configure a Simple File Server with Samba
- Configure Samba Authentication.
- Use Samba's Client Tools.
- Use Samba as a Domain Controller.
- Integrate Samba into a Windows Domain.

Module: 24

Configure a Web Server

- Set up a Basic Web Server with Apache.
- Configure Virtual Hosts.
- Limit Access to the Web Server.
- Configure Apache with OpenSSL.
- Install PHP.

Module: 25

Configure and Use IPv6

- Understand IPv6 Theory.
- Configure IPv6 on SLE 11.

Module: 26

Perform a Health Check and Performance Tuning

- Find Performance Bottlenecks
- Reduce System and Memory Load
- Optimizing the Storage System
- Tune the Network Performance

Module: 27

Create Shell Scripts

- Bash Basics.
- Use Basic Script Elements.
- Understand Variables and Command Substitution.
- Use Control Structures.
- Use Arithmetic Operators.
- Read User Input.
- Use Arrays.
- Finalize the Course Project.
- Use Advanced Scripting Techniques.
- Learn about Useful Commands in Shell Scripts.

Module: 28

Deploy SUSE Linux Enterprise 11

- Introduction to AutoYaST.
- Installation Server: Setup and Use.
- Set Up PXE Boot for Installations.
- Create a Configuration File for AutoYaST.
- Perform an Automated Installation

Module: 29

Manage Virtualization with Xen

- Understand How Virtualization with Xen Works.
- Install Xen.
- Manage Xen Domains with Virt-Manager.
- Manage Xen Domains from the Command Line.
- Understand Xen Networking

Module: 30

Prepare for the Novell CPL 11 Practicum

- Install a Xen Environment.
- Configure a Web Server.
- Configure a Samba File Server.
- Automate System Tasks.

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