Oracle Linux System Administration II Ed 1

Prerequisites

Oracle Linux System Administration I

Audience

- Linux Administrator
- Cloud Administrator
- System Integrator
- Data Center Manager
- Technical Consultant
- System Architect
- Application Developers
- Support Engineer
- System Analysts
- Technical Consultant
- Database Administrators
- Developer
- System Administrator
- Technical Administrator
- Web Administrator

Objectives

- Describe DHCP, DNS, BIND and configure a DHCP server
- Discuss and configure LDAP, Winbind and Kerberos authentication
- Describe IPA Identity Management and SSSD services and domains
- Build an Apache HTTP Web Server and SMTP server
- Describe SMTP server and associated protocols
- Describe Kickstart and configure a Preboot Execution Environment (PXE)
- Configure SAMBA and NFS file sharing
- Implement advanced software package management with RPM and YUM
- Configure network bonding, link aggregation groups (LAG) and VLANs
- Build IPSec VPNs for secure site-to-site communications
- Work with Logical Volume Manager (LVM), thin provisioning, snapper, and RAID.
- Implement XFS and Btrfs file systems
- Perform advanced storage administration using disk quotas
- Configure Kerberos authentication and IPA Identity Management

Topics

- Network Addressing and Name Services
- Authentication and Directory Services
- Pluggable Authentication Modules (PAM)
- Web and Email Services
- Installing Oracle Linux with Kickstart
- Samba Services
- Advanced Software Package Management
- Advanced Networking
- Implementing the XFS File System
- Implementing the Btrfs File System
- Storage Administration
- Advanced Storage Administration
- File Sharing
- Kerberos and IPA Services