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IBM - Linux System Administration I - Implementation

Code:	LX03G-WBT
URL:	[View Online](#)

This IBM Web-Based Training (WBT) is Self-Paced and includes:
- Instructional content available online for duration of course
- Visuals without hands-on lab exercises

The purpose of this course is to teach experienced Linux users the techniques, methods, and policies used in Linux system administration.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course.

Skills Gained

- Install Linux from a network install server, setup network install servers, and perform automated installs

- Manage system and services startup and shutdown

- Select and use system administration tools when appropriate

- Configure and manage printers

- Use packaging tools to create, install, and de-install packages

- Configure and manage the X Window System and VNC

- Manage logging

- Manage kernel services and configure the kernel

- Manage devices

- Manage hard disks, partitions, Redundant Array of Independent Disks (RAID), and Logical Volume Management (LVM)

- Create and manage file systems and file system quota

- Perform memory management

- Use scheduling tools

- Create and restore backups

- Perform user administration

- Apply user-level security

- Troubleshoot Linux problems

Who Can Benefit

The intended audience for this course is experienced Linux users who want to become administrators of one or more Linux servers.

Prerequisites

You should have:

- Attended IBM Linux course *Linux Basics and Installation (LX02G)*
- Practical experience in running Linux as a user

Course Details

Course Outline

- Introduction
- Unit 1: Advanced Linux installation
    - Demo/simulationÂ 1: Advanced Linux installation
- Unit 2: Startup and shutdown
    - Demo/simulation 2: Startup and shutdown
- Unit 3: System administration tools
    - Demo/simulation 3: System administration tools
- Unit 4: Package management
    - Demo/simulation 4: Packaging tools
- Unit 5: X Window System and VNC
    - Demo/simulation 5: X Window System and VNC
- Unit 6: Logging
    - Demo/simulation 6: Logging
- Unit 7: Kernel services and kernel configuration
    - Demo/simulation 7: Kernel services and kernel configuration
- Unit 8: Device management
    - Demo/simulation 8: Device management
- Unit 9: Disk management, RAID, and LVM
    - Demo/simulation 9: Disk management, LVM, and RAID
- Unit 10: File systems and file system quota
    - Demo/simulation 10: File systems
- Unit 11: Memory management
    - Demo/simulation 11: Memory management
- Unit 12: Scheduling
    - Demo/simulation 12: Scheduling
- Unit 13: Backup and restore

- Demo/simulation 13: Backup and restore
- Unit 14: User administration
    - Demo/simulation 14: User administration
- Unit 15: User-level security
    - Demo/simulation 15: User-level security
- Unit 16: Troubleshooting
    - Demo/simulation 16: Troubleshooting

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