



LEARNING PLAN

Advanced Server Technologies

Administering server technologies effectively can result in advanced monitoring, automations, proactive management, and complex troubleshooting. Learn to leverage advanced server technologies to improve service and meet ever-evolving organizational needs.

Areas of focus

- Advanced server management
- Monitoring and automation
- Complex troubleshooting

Curriculum

VIDEOS FROM COURSE

| Linux LPI LPIC-2: Exam 201 | 7 hours |
|--|---------|
| <input type="checkbox"/> Intro | 1 min |
| <input type="checkbox"/> Monitor CPU & Memory Usage | 15 min |
| <input type="checkbox"/> Monitor Disk I/O | 15 min |
| <input type="checkbox"/> Monitoring Network I/O | 12 min |
| <input type="checkbox"/> Measuring Bandwidth | 9 min |
| <input type="checkbox"/> Monitoring Data Trends | 7 min |
| <input type="checkbox"/> Kernel Components | 10 min |
| <input type="checkbox"/> Manipulating Kernel Modules | 15 min |
| <input type="checkbox"/> Kernel Automation and Configuration | 15 min |
| <input type="checkbox"/> Custom Kernel Compile: The Tools | 9 min |
| <input type="checkbox"/> Custom Kernel Compile: Compilation and Installation | 19 min |
| <input type="checkbox"/> SystemV Runlevels | 9 min |
| <input type="checkbox"/> SystemV Init Scripts | 15 min |
| <input type="checkbox"/> Upstart | 8 min |
| <input type="checkbox"/> Systemd | 7 min |
| <input type="checkbox"/> Recovering Legacy GRUB Installation | 7 min |
| <input type="checkbox"/> GRUB2 Recovery | 8 min |
| <input type="checkbox"/> Alternate Boot Loaders | 9 min |
| <input type="checkbox"/> PXE Bootloader | 10 min |
| <input type="checkbox"/> Managing Linux Swap | 8 min |
| <input type="checkbox"/> Permanently Mounting Partitions | 14 min |
| <input type="checkbox"/> Maintaining EXT Filesystems | 13 min |
| <input type="checkbox"/> Fixing Corrupt EXT Filesystems | 10 min |
| <input type="checkbox"/> XFS Filesystems | 6 min |
| <input type="checkbox"/> S.M.A.R.T. | 11 min |
| <input type="checkbox"/> AutoFS | 10 min |
| <input type="checkbox"/> CDROM Filesystems | 9 min |

Prerequisite Plans

ASSOCIATE LEVEL

Information Security Concepts & Practices
Server Administration & Tools



Current Plan

EXPERT LEVEL

Advanced Server Technologies

VIDEOS FROM COURSE

Linux LPI LPIC-2: Exam 201 (cont.)

| | | |
|--------------------------|--------------------------------------|--------|
| <input type="checkbox"/> | Using RAID | 15 min |
| <input type="checkbox"/> | Tuning Hard Drives | 14 min |
| <input type="checkbox"/> | iSCSI | 17 min |
| <input type="checkbox"/> | LVM | 13 min |
| <input type="checkbox"/> | Configuring a Wired Network Device | 9 min |
| <input type="checkbox"/> | Configuring Wireless Network Devices | 6 min |
| <input type="checkbox"/> | Network Troubleshooting | 12 min |
| <input type="checkbox"/> | Compile and Install from Source | 8 min |
| <input type="checkbox"/> | Backing Up Servers | 11 min |
| <input type="checkbox"/> | System Notifications | 8 min |

VIDEOS FROM COURSE

Linux LPI LPIC-2: Exam 202**8 hours**

| | | |
|--------------------------|--|--------|
| <input type="checkbox"/> | Introduction | 1 min |
| <input type="checkbox"/> | DNS Server Options | 14 min |
| <input type="checkbox"/> | Caching Nameserver with BIND | 14 min |
| <input type="checkbox"/> | Creating and Maintaining DNS Zones with BIND | 15 min |
| <input type="checkbox"/> | DNS Master and Slave with BIND | 10 min |
| <input type="checkbox"/> | Securing BIND Server | 11 min |
| <input type="checkbox"/> | Split DNS with BIND | 8 min |
| <input type="checkbox"/> | Running BIND in a Chroot Jail | 7 min |
| <input type="checkbox"/> | Apache Web Server Installation and Setup | 17 min |
| <input type="checkbox"/> | Apache Modules & Languages | 7 min |
| <input type="checkbox"/> | Apache MPM Module | 11 min |
| <input type="checkbox"/> | Apache Authentication and Redirection | 11 min |
| <input type="checkbox"/> | Apache Virtual Host Configuration | 14 min |
| <input type="checkbox"/> | Apache SSL Setup | 15 min |
| <input type="checkbox"/> | Squid Installation | 14 min |
| <input type="checkbox"/> | Squid ACLs | 17 min |
| <input type="checkbox"/> | Squid Authentication | 9 min |
| <input type="checkbox"/> | Nginx Installation and Configuration | 8 min |
| <input type="checkbox"/> | Nginx Reverse Proxy | 10 min |
| <input type="checkbox"/> | Samba Daemons | 9 min |
| <input type="checkbox"/> | Samba Installation | 14 min |
| <input type="checkbox"/> | Samba Password Management | 10 min |
| <input type="checkbox"/> | NFS | 16 min |
| <input type="checkbox"/> | DHCP | 15 min |
| <input type="checkbox"/> | DHCP Static Entries & Relay Hosts | 16 min |
| <input type="checkbox"/> | PAM Configuration | 15 min |
| <input type="checkbox"/> | PAM Modules | 7 min |
| <input type="checkbox"/> | LDAP Server Installation | 18 min |
| <input type="checkbox"/> | LDAP Client Tools | 11 min |
| <input type="checkbox"/> | Postfix (Email) Server Config | 16 min |

VIDEOS FROM COURSE

Linux LPI LPIC-2: Exam 202 (cont.)

| | | |
|--------------------------|--------------------------------|--------|
| <input type="checkbox"/> | Procmail for Local Email | 13 min |
| <input type="checkbox"/> | Remote Email Delivery | 16 min |
| <input type="checkbox"/> | NAT Routing | 17 min |
| <input type="checkbox"/> | Packet Filtering with iptables | 13 min |
| <input type="checkbox"/> | FTP Server Setup | 12 min |
| <input type="checkbox"/> | SSH Server Setup | 7 min |
| <input type="checkbox"/> | SSH Keys | 9 min |
| <input type="checkbox"/> | Security Tools | 10 min |
| <input type="checkbox"/> | OpenVPN | 8 min |

VIDEOS FROM COURSE

Microsoft SCCM 2012 70-243 R2**10 hours**

| | | |
|--------------------------|---|--------|
| <input type="checkbox"/> | Introduction | 3 min |
| <input type="checkbox"/> | Configuration Manager Overview | 16 min |
| <input type="checkbox"/> | Install Configuration Manager | 23 min |
| <input type="checkbox"/> | Configuration Manager Console Overview | 8 min |
| <input type="checkbox"/> | Boundaries and Boundary Groups | 8 min |
| <input type="checkbox"/> | Resource Discovery | 19 min |
| <input type="checkbox"/> | User and Device Collections | 23 min |
| <input type="checkbox"/> | Client Installation Overview | 13 min |
| <input type="checkbox"/> | Client Installation Preconfiguration | 16 min |
| <input type="checkbox"/> | Client Installation | 20 min |
| <input type="checkbox"/> | Inventory and Report Setup | 10 min |
| <input type="checkbox"/> | Inventory and Report Demo | 19 min |
| <input type="checkbox"/> | SQL Queries | 12 min |
| <input type="checkbox"/> | Software Metering | 11 min |
| <input type="checkbox"/> | Packages and Programs Overview | 19 min |
| <input type="checkbox"/> | Packages and Programs Demo | 21 min |
| <input type="checkbox"/> | Using a Packager and App-V Sequencer | 16 min |
| <input type="checkbox"/> | Applications Overview | 11 min |
| <input type="checkbox"/> | Applications Demo | 23 min |
| <input type="checkbox"/> | Operating System Deployment Overview | 16 min |
| <input type="checkbox"/> | Operating System Deployment Server Setup | 20 min |
| <input type="checkbox"/> | Operating System Deployment Task Sequence | 14 min |
| <input type="checkbox"/> | Operating System Deployment Build and Capture, Deploy | 11 min |
| <input type="checkbox"/> | WSUS and Software Update Point Configuration | 25 min |
| <input type="checkbox"/> | Software Update Deployment | 23 min |
| <input type="checkbox"/> | Compliance Settings Overview | 15 min |
| <input type="checkbox"/> | Configuration Items and Configuration Baselines | 30 min |
| <input type="checkbox"/> | Forefront Endpoint Protection | 25 min |
| <input type="checkbox"/> | Managing Mobile Devices: AMT Devices and Exchange Connector | 12 min |

VIDEOS FROM COURSE

Microsoft SCCM 2012 70-243 R2 (cont.)

| | | |
|--------------------------|---|--------|
| <input type="checkbox"/> | Managing Mobile Devices: Windows Intune and Enrolling Devices | 25 min |
| <input type="checkbox"/> | Managing Mobile Devices, Plan and Configure Security | 28 min |
| <input type="checkbox"/> | Clean Up Topics | 18 min |
| <input type="checkbox"/> | Manage Site Communications | 18 min |
| <input type="checkbox"/> | Manage Role-Based Security | 11 min |