

CompTIA Linux+ certification - free demo

CompTIA Linux+ Certification

This VTC tutorial is intended for users with some Linux experience and provides the information required to pass the CompTIA Linux+ certification exam. The CompTIA Linux+ certification is an industry credential that validates the knowledge of technicians with six months experience installing, operating, and maintaining Linux operating systems. The certification is intended to be entry level in difficulty and never require upgrading. This tutorial, by long time VTC author, Arthur Griffith, provides the information in the areas covered by the exam: planning the implementation, installation, configuration, administration, system maintenance, troubleshooting, and identifying, installing, and maintaining system hardware. To begin learning today, simply click on one of the [CompTIA Linux+ Certification lessons](#).

Introduction

Course Introduction

CompTIA Linux+

Planning the Implementation

The Purpose of the Machine

The Required Hardware

The Required Software

Allocation of Storage Space

The Different Licensing Schemes

The Basic Services

Comparing and Selecting a Distribution

Compare Linux to Other Operating Systems

The Linux Kernel Version Numbers

Obtaining Software

Resources for Maintenance and Operation

Installation

Available Installation Options

Select the Appropriate Installation Method

Proper Parameters for Installation

Select the Appropriate Option Settings pt. 1

Select the Appropriate Option Settings pt. 2

Partition the Hard Disk(s)

Configure the File System

Network Protocols

Set Security

Users and Passwords

Install the XFree86 Server

Window Manager and GUI Environment

Compiling the Kernel

Install the Boot Loader

Install and Uninstall Applications

Read Installation Log Files

Configuration
Reconfigure XFree86

Set Up Remote Access

Set Environment Variables

Configure Basic Network Services

Configure Network Services

Configure Internet Services

Check and Size Swap Space

Manage Printing

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The Basic Configuration Files

Install and Uninstall Modules

Configuration of Access Rights

Administration
Add and Remove Users

Modify User Configuration

File Permissions and Ownership pt. 1

File Permissions and Ownership pt. 2

The Standard Linux File Structure

The Linux File Utilities

The su Command

Mounting and Unmounting File Systems

The Multi-User System

Common Shell Usage

Connecting to Remote Systems

The tar Command

The Run Levels of Init

Starting and Stopping Services

Print Spools and Queues

The vi Editor

Shell Scripts

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Device Nodes

Making Disk Partitions

Making a File System

Crontab

Core Files

Ifconfig

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Backup and Restore

Security

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Isolating and Locating the Problem

Troubleshooting Best Practices

File System Check

Common Errors

Service Failure

Troubleshooting Commands

Troubleshooting Utilities

Identifying Network Problems

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Hardware Configuration

SCSI

USB and IEEE 1394

Motherboard

Networking

Network Addressing

Troubleshooting IDE and SCSI

Troubleshooting Devices

Wrap Up

What this Course Covered

Credits

About This Author