

The Challenge Labs Linux Library is a 180-day subscription that includes access to over 65 Challenge Labs related to various Linux topics.

Challenge Labs are goal oriented, short-duration, scenario-based hands-on exercises, and an excellent way to provide additional skills development and assessment.

As new Challenge Labs are released, you will gain automatic access to them for the duration of your subscription.

Audience

- IT Professionals who are looking to keep up to date on features and functionality for a particular technology
- IT Professionals who are responsible for supporting multiple technologies
- IT Professional/Developers who are preparing for vendor certification exams

Challenge Labs Topics

Linux: Command Line

CLF-000	Getting Started with Linux Command Line Fundamentals [Getting Started]
CLF-001	Search Linux Manpages by Using the Command Line [Guided]
CLF-002	Display Manpage Information by Using Sections [Guided]
CLF-003	Can You Navigate and Search in a Manpage? [Advanced]
CLF-004	Configure the Display of a File [Guided]
CLF-005	Search for Files by Using Wildcards [Guided]
CLF-006	Can You Create Files from Parts of Other Files? [Advanced]
CLF-007	Using sort [Guided]
CLF-008	Search for Data Using Grep [Guided]
CLF-009	Can You use the grep and sort commands together? [Advanced]
CLF-010	Can You Extract, Label and Organize Data? [Expert]

Linux: Network Security

LA-000	Getting Started with Linux Administration [Getting Started]
LA-001	Obtain Root Credentials in Linux [Guided]
LA-002	Vim Fundamentals in Linux [Guided]
LA-003	Can You Manage Users in Linux? [Advanced]
LA-004	Reset the root Password in Linux [Guided]
LA-005	Configure an Alias in Linux [Guided]
LA-006	Can You Automate Administrative Tasks in Linux Using Cron and Scripting? [Advanced]
LA-007	Configure an FTP Server with Linux [Guided]
LA-008	Configure rsync and ssh File Management in Linux [Guided]
LA-009	Can You Document the Server in Linux? [Advanced]
LA-010	Can You Configure Security for SSH in Linux? [Expert]

Linux: Installation and Package Management

LD-000	Getting Started with Linux Deployment [Getting Started]
LD-001	Distribution Installation in Linux [Guided]
LD-002	Configure and Use GUI Administration Tools in Linux [Guided]
LD-003	Can you Configure Kickstart Installations in Linux? [Advanced]
LD-004	Manage Software with rpm and apt in Linux [Guided]
LD-005	Manage Software with yum in Linux [Guided]
LD-006	Can You Configure a Yum Repository in Linux? [Advanced]
LD-007	Manage Services in Linux [Guided]
LD-008	Manage Server Startup Options in Linux [Guided]
LD-009	Can You Manage Processes in Linux? [Advanced]
LD-010	Can you Deploy an Apache Web Server in Linux? [Expert]

Linux: Command Line and File System

LDM-000	Getting Started with Linux Data Management [Getting Started]
LDM-001	Edit Text Files in Linux [Guided]
LDM-002	Backup and Restore Files with tar in Linux [Guided]
LDM-003	Backup and Restore Files with cpio in Linux [Guided]
LDM-004	Can You Manage Directories and Files in Linux? [Advanced]
LDM-005	Manage Storage in Linux [Guided]
LDM-006	Configure Links in Linux [Guided]
LDM-007	Can You Use Find and Locate to Search for Files in Linux? [Advanced]
LDM-008	Configure Standard Permissions in Linux [Guided]
LDM-009	Can You Configure ACL Permissions in Linux? [Advanced]
LDM-010	Can You Configure Advanced Permissions in Linux? [Expert]

Linux: Foundation

Linux-000	Getting Started with Linux [Getting Started]
Linux-001	Deploy a Microsoft Azure Virtual Machine Infrastructure [Guided]
Linux-002	Deploy Ubuntu Linux Virtual Machines in the Microsoft Azure [Guided]
Linux-003	Configure and Manage Linux Print Queues and Jobs [Guided]
Linux-004	Create and Manage Linux Users and Groups [Guided]
Linux-005	Use Azure CLI Tools to Manage Azure Linux Virtual Machines [Guided]
Linux-006	Generate and Use SSH Keys for Azure Linux Virtual Machine Authentication [Guided]
Linux-007a	Can You Create a Scheduled Linux Backup Script? [Advanced]
Linux-008a	Can You Configure Linux Time Sources? [Advanced]
Linux-009a	Can You Perform a Network Vulnerability Assessment Using Nmap? [Advanced]
Linux-010a	Can You Configure Linux Rsyslog Forwarding? [Advanced]

Linux: Networking

Linux2-000	Getting Started with Linux2 [Getting Started]
Linux2-001	Configure IPv4 and IPv6 Addressing for Linux [Guided]
Linux2-002	Configure Network Connectivity for Linux on Azure [Guided]
Linux2-003	Configure IP Routing with Linux on Azure [Guided]
Linux2-004	Configure DNS Client Settings for Linux on Azure [Guided]
Linux2-005a	Can You Configure Linux IPv4 Routing? [Advanced]
Linux2-006a	Can You Install and Configure a Linux DNS Server [Advanced]?
Linux2-007a	Can You Troubleshoot Linux Network Issues? [Expert]

Linux: System Administration Tasks

SATO-000	Getting Started with System Administration Task One [Getting Started]
SATO-001	Control Data Streams in Linux [Guided]
SATO-002	Assign Environment and Shell Variables in Linux [Guided]
SATO-003	Simplify Linux Administration Tasks by Using Xargs [Guided]
SATO-004	Edit Data by Using Linux Command-Line Tools [Guided]
SATO-005	Perform Linux Command-Line Operations by Using File Test and Relational Operators [Guided]
SATO-006	Perform Linux Command-Line Operations by Using Boolean and Arithmetic Operators [Guided]
SATO-007	Automate Administration Tasks by Using Linux Shell Scripts [Guided]
SATO-008	Perform Conditional Decision Making in a Linux Shell Script [Guided]
SATO-009	Can You Use Linux Command-Line Tools to Simplify Administration Tasks? [Advanced]
SATO-010	Can You Perform Command-Line Tasks by Using Shell Operators and a Shell Script? [Advanced]
SATO-011	Can You Manipulate Data and Create a Shell Script in Linux? [Expert]