

Linux Server I: Linux Fundamentals, Skill Labs

Course Specifications

Course Number: ACI76-056SL_rev1.0

Lab Length: Approximately 16 hours

CentOS Server Linux Installation

Install CentOS Server and configure the base operating system for use in a server environment.

Ubuntu Desktop Linux Installation 12.04

Install Ubuntu Desktop and configure core operating system components used in Linux workstations and servers.

Installing Packages and Shared Libraries on CentOS and Ubuntu

Install, update, and manage software packages and shared libraries across CentOS and Ubuntu systems.

Displaying Hardware

Identify and display system hardware details using Linux utilities to assess system configuration and resources.

Adding a New Partition

Create and configure disk partitions to expand storage capacity on a Linux system.

Managing Filesystem Quotas

Configure and manage filesystem quotas to control disk usage for users and groups.

Using the BASH Shell – 1

Execute essential Bash commands and navigate the Linux shell for system interaction and administration.

Booting and Restarting the System

Control system startup, shutdown, and reboot processes using Linux commands and configuration tools.

Using the BASH Shell – 2

Use advanced Bash features and scripting techniques to automate common administrative tasks.

Using the BASH Shell – 3

Apply Bash commands and shell techniques to support system security tasks and controls.

Using the BASH Shell – 4

Combine Bash commands and scripting concepts to support ongoing system operations and maintenance.

Monitoring Processes

Monitor, manage, and troubleshoot running processes using Linux system utilities.

Working with Files

Create, copy, move, and manage files and directories using Linux command-line tools.

Managing Text Files – 1

View and edit text files using standard Linux text-processing commands.

Managing Text Files – 2

Search, filter, and manipulate text file content using stream and text-processing utilities.

Managing Text Files – 3

Combine multiple text-processing tools to analyze and modify system files efficiently.