

Linux Server II: System Administration, Skill Labs

Course Specifications

Course Number: ACI76-057SL_rev1.0

Lab Length: Approximately 17 hours

Configuring X Windows in CentOS and Fedora Desktop

Configure and manage the X Window System on CentOS and Fedora desktop environments.

Accessibility Technologies

Enable and configure accessibility features to support diverse user needs in Linux environments.

User and Group Accounts

Create, modify, and manage user and group accounts to enforce access control and security policies.

System Administration Tasks – 1

Perform core system administration tasks related to hardware and system configuration.

System Administration Tasks – 2

Apply security-focused administrative tasks to protect system resources and configurations.

System Administration Tasks – 3

Execute operational and maintenance tasks to support stable and reliable Linux systems.

crontab and at

Schedule and manage automated tasks using cron, crontab, and at.

Configuring Locale and Time Zone Settings

Configure system locale, language, and time zone settings to ensure accurate regional and time-based operations.

Working with Email – 1

Configure and manage basic email services on a Linux system.

Working with Email – 2

Extend email configuration and administration to support messaging operations and troubleshooting.

Basic Network Configuration

Configure network interfaces, IP addressing, and connectivity on Linux systems.

Basic Security Administration

Implement access control, authentication, and authorization mechanisms to secure Linux systems.

Securing Data with Encryption on a Linux System

Encrypt data at rest and in transit using Linux encryption tools and security utilities.

Host Security

Harden Linux hosts by configuring security controls and mitigating common threats.

BASH Shell Features

Use advanced Bash shell features to streamline administration and system operations.

BASH Scripting

Create and execute Bash scripts to automate administrative and operational tasks.

Working with a SQL Database

Install, configure, and interact with a SQL database within a Linux environment.