



LINUX ADVANCED SYSTEM AND NETWORK ADMINISTRATION

TEMARIO

Lesson 1: CONTROLLING ACCESS TO FILES WITH ACCESS CONTROL LISTS (ACLs)

POSIX Access Control Lists (ACLs)

Practice: Interpret ACLs

Securing Files with ACLs

Practice: Using ACLs to Grant and Limit Access

Lab: Controlling Access to Files with Access Control Lists (ACLs)

Lesson 2: MANAGING SELINUX SECURITY

Enabling and Monitoring Security Enhanced Linux (SELinux)

Practice: SELinux Concepts

Changing SELinux Modes

Practice: Changing SELinux Modes

Changing SELinux Contexts

Practice: Changing SELinux Contexts

Changing SELinux Booleans

Practice: Changing SELinux Booleans

Troubleshooting SELinux

Practice: Troubleshooting SELinux

Lab: Managing SELinux Security

Lesson 3: MANAGING LOGICAL VOLUME MANAGEMENT (LVM) STORAGE

Logical Volume Management Concepts

Practice: Logical Volume Management Concepts

Managing Logical Volumes

Practice: Adding a Logical Volume

Extending Logical Volumes

Practice: Extending a Logical Volume

Lab: Managing Logical Volume Management (LVM) Storage

Lesson 4: CONFIGURING LINK AGGREGATION AND BRIDGING

Configuring Network Teaming

Practice: Configuring Network Teaming

Managing Network Teaming

Practice: Managing Network Teaming

Configuring Software Bridges

Practice: Configuring Software Bridges

Lab: Configuring Link Aggregation and Bridging

Lesson 5: NETWORK PORT SECURITY

Managing Firewall

Practice: Configuring a Firewall

Managing Rich Rules

Practice: Writing Custom Rules

Masquerading and Port Forwarding



Practice: Forwarding a Port Managing SELinux Port Labeling

Practice: Managing SELinux Port Labeling

Lab: Network Port Security

Lesson 6: PROVIDING REMOTE BLOCK STORAGE

iSCSI Concepts

Practice: iSCSI Concepts

Providing iSCSI Targets

Practice: Providing iSCSI Targets

Accessing iSCSI Storage

Practice: Accessing iSCSI Storage

Lab: Providing Block-based Storage

Lesson 7: CLUSTER WITH COROSYNC AND PACEMAKER

Introduction to Corosync & Pacemaker

PCS Cluster Shell

Lab: Configure Corosync and Pacemaker

Lesson 8: DISTRIBUTED STORAGE SYSTEM

Install DRBD

Lab: Configure DRBD

Lesson 9: CONFIGURE STORAGE CLUSTER

Install GlusterFS

Distributed, Replication Config, Others

Clients Settings

Lab: GlusterFS

V. METODOLOGÍA

☑ Curso teórico-práctico.

☑ Exposición del profesor, ayudas audiovisuales, diálogo abierto y debate.

☑ Realización de casos prácticos en laboratorio.

☑ Realización de tareas en aula virtual.

☑ Generación de conocimiento mediante investigación y foros de discusión en aula virtual.

VI. EVALUACIÓN

La evaluación, como constatación del logro de los objetivos que es alcanzar las

capacidades mencionadas se dará mediante la siguiente ponderación:

02 Tareas Virtuales	10 %
02 Cuestionarios Virtuales	10 %
Evaluaciones prácticas 1 y 2	30 %
Evaluaciones prácticas 3 y 4	50 %
TOTAL	100 %



CJAVA
siempre para apoyarte