

Linux System Administration Intermediate II

Learn to automate installation, manage security, storage and networking, and administer processes and file sharing on CentOS 7 Linux systems.

4 Days

DURATION

14

TOPICS

COURSE OVERVIEW

This course covers automating CentOS 7 installations with Kickstart, using regular expressions with grep, editing files with vim, and scheduling tasks. It then addresses managing process priorities, POSIX access control lists, SELinux behaviour, and central identity management with LDAP. Disk and storage topics include partition and file system management, logical volumes, and accessing NFS shares. The final topics cover mounting SMB shares with autofs, troubleshooting the boot process, and configuring the firewall.

WHO THIS COURSE IS FOR

Linux System Administrators

Network Administrators

Systems Engineers

IT Support Staff

LEARNING OBJECTIVES

- Automate CentOS 7 installations using Kickstart
- Write regular expressions for use with grep
- Edit and save text files using the vim editor
- Schedule tasks to execute automatically in the future
- Adjust the relative priorities of running Linux processes
- Manage file security using POSIX access control lists
- Configure SELinux behaviour and central identity management
- Manage partitions, logical volumes and NFS shares

14 Topics

DAY 1

Automate Installation with Kickstart, Using Grep, VIM Editor, Schedule Tasks

TOPICS

- Automate the installation of CentOS 7 Linux systems with Kickstart
- Write regular expressions that, when partnered with grep, will allow you to quickly isolate or locate content within text files
- Introduce the vim text editor, with which you can open, edit, and save text files
- Schedule tasks to automatically execute in the future

DAY 2

Manage Processes Priority, ACL, Manage SELinux Security, LDAP Users and Groups

TOPICS

- Influence the relative priorities at which Linux processes run
- Manage file security using POSIX access control lists
- Manage the Security Enhanced Linux behavior
- Configure systems to use central identity management services

DAY 3

Disk Management, LVM, Sharing and Accessing File Using NFS

TOPICS

Manage simple partitions and file systems · Manage logical volumes from the command line · Access (secure) NFS shares

DAY 4

CIFS, Autofs, Understanding Boot Process, Firewall

TOPICS

- Use autofs and the command line to mount and unmount SMB file systems
- Control and troubleshoot the CentOS 7 Linux boot process
- Understanding and Configuring firewall

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com