Oracle Linux 8: System Administration III

Duration: 5 days – 30 hours

Description:

The Oracle Linux 8: System Administration III course covers implementation of advanced Linux file systems, configuring virtualization services and resource management controls, use of Podman utility and Kubernetes container orchestration services, advanced security services, and advanced diagnostics services. The course also provides an extensive hands-on experience for advanced system administration tasks.

Course Objectives:

Learn how to:

- Implement shared disk cluster file system using OCFS2
- Configure an iSCSI target and an iSCSI iniator
- Configure iSCSI Multipathing
- Control access to system resources with control groups (cgroups)
- Install and configure Podman
- Perform SELinux configuration
- Monitor, Assess, and Enforce Security Using Open SCAP
- Perform Encrypt and Decrypt Operations Using OpenSSL
- Describe Linux Internals

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- Configure Linux Auditing System
- Perform Core Dump Analysis
- Manage performance with TuneD
- Install and Configure a Gluster file system

Course Content:

1. Course Introduction
2. OCFS2 and Oracle Clusterware
3. iSCSI and Multipathing
4. Managing Resources with Control Groups
5. Virtualization with Linux
6. Open Container Initiative & Podman
7. Oracle Linux Cloud Native Environment for Kubernetes
8. Security Enhanced Linux (SELinux)
9. OpenSCAP
10. OpenSSL
11. Introduction to Linux Internals
12. Linux Auditing System
13. Core Dump Analysis
14. Performance Management Using TuneD
15. Using Gluster Storage