Oracle Linux 7: System Administration Ed 2

- **Required Prerequisite**
  - UNIX and Linux Essentials Ed 2
  - Types of user accounts & Working with files and directories in Unix
  - Text editing using vi & Unix process control
  - Unix shell command line features & Basic shell scripting
  - Archiving and compressing files in Unix & Performing remote connections and file transfers

- **Audience**
  - Administrator
  - Database Administrator
  - Implementer
  - Systems Administrator

- **Objectives**
  - Create Ext, XFS, and Btrfs file systems
  - Maintain swap space
  - Use Logical Volume Manager (LVM)
  - Configure RAID devices
  - Configure File Sharing services (NFS, FTP, OpenSSH)
  - Perform Security Administration (firewalld, iptables, chroot, TCP wrappers)
  - Gain an understanding of the Oracle IaaS Cloud Solution
  - Install software packages from Unbreakable Linux Network and other repositories
  - Use Ksplice to update the kernel on a running system
  - Configure system logging
  - Load kernel modules and configure kernel module parameters
  - Prepare Oracle Linux system for Oracle database
  - Troubleshoot problems and perform corrective action
  - Install Oracle Linux 7
  - Load and configure the Unbreakable Enterprise Kernel
  - Perform User and Group administration

- **Topics**
  - Course Introduction
  - Introduction to Oracle Linux
  - Installing Oracle Linux 7
  - Oracle Linux 7 Boot Process
  - System Configuration
  - Package Management
  - Ksplice
  - Automate Tasks
  - Kernel Module Configuration
  - User and Group Administration
  - Partitions, File Systems, and Swap
  - Implementing the XFS File System
  - Implementing the Btrfs File System
  - Storage Administration
  - Network Configuration
  - File Sharing
  - OpenSSH Service
  - Security Administration
  - Oracle on Oracle
  - System Monitoring & System Logging
  - Troubleshooting
  - Oracle Cloud Computing