

Course Name: Cisco ASR 9000 Series IOS XR 64-Bit Software Migration and Operational Enhancements (IOSXR211) v1.0

Outline:

- Software Architecture and Linux Fundamentals
 - Cisco IOS XR 64-Bit Software Fundamentals
 - Cisco ASR 9000 Series IOS XR 64-Bit Software vs. Classic 32-Bit Software
 - Exploring Linux Fundamentals
 - Creating User Profiles
- Cisco IOS XR 64-Bit Software Installation
 - Examining Resource Allocations and Media Mappings
 - Migrating to Cisco IOS XR 64-Bit Software
 - Examining the Boot Process
 - Performing Disaster Recovery
 - Installing Software Packages
- Cisco IOS XR 64-Bit Software Features
 - Investigating Data Models
 - Implementing Telemetry
 - Exploring Model-Driven Programmability
 - Employing Application Hosting

Lab outline

- Using Basic Linux Commands and Creating User Profiles
- Migrating to Cisco IOS XR 64-Bit Software
- Configuring Auto-Provisioning
- Installation of Cisco IOS XR Packages
- Configuring Model-Driven Telemetry
- Configuring Devices by Using Model-Driven Programmability
- Using the YANG Development Kit
- Deploying Native Application Hosting

- Hosting an Application Within an LXC Container
- Hosting an Application Within a Docker Container