

# IOSXR211 (CISCO ASR 9000 SERIES IOS XR 64-BIT SOFTWARE MIGRATION AND OPERATIONAL ENHANCEMENTS) 1.0

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## Objetivo

After completing this course, you should be able to: Describe the Cisco IOS XR 64-Bit software architecture and Linux system fundamentals Describe the major differences between classic Cisco IOS XR software and Cisco IOS XR 64-Bit software on the ASR 9000 Series routers Migrate an ASR 9000 Series router from classic IOS XR software to Cisco IOS XR 64-Bit software Perform and explain Cisco IOS XR 64-Bit software installations Configure and describe Cisco IOS XR 64-Bit software features

## Público Alvo

System installers System integrators System administrators Network administrators Solutions designers

## Pré-Requisitos

The Introduction to IOS XR (IOSXR100) course The Cisco Aggregation Services Router 9000 Series Essentials (ASR9KE) course Familiarity with implementing routing protocols on Cisco IOS XR software-based network devices Experience working with Cisco IOS XR Command-Line Interface (CLI)-based network devices

## Carga Horária

24 horas (3 dias).

## Conteúdo Programático

- 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