

IOSXR211**Cisco ASR 9000 Series IOS XR 64-Bit Software Migration and Operational Enhancements**

24 horas

Routing & Switching

Cisco

Cisco Continuing Education Credits**40 CE Credits****INTRODUÇÃO**

The Cisco ASR 9000 Series IOS XR 64-Bit Software Migration and Operational Enhancements (IOSXR211) v1.0 course covers the migration from classic 32-bit Cisco IOS® XR software to Cisco IOS XR 64-Bit software on the Cisco® ASR 9000 Series Aggregation Services Routers. This course will also examine the software architecture, boot process, and auto-provisioning of the Cisco IOS XR 64-bit software, as well as showing you how to install Cisco IOS XR and third-party software packages. In addition, it will investigate data models and show you how to implement telemetry, model-driven programmability, and application hosting services.

OBJETIVO DO CURSO

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

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