

# A903E (CISCO ASR 903 ESSENTIALS) 3.1

## Objetivo

The Cisco® ASR 903 Essentials version 3.10.0S is a lab-intensive course that introduces you to the Cisco ASR 903 Aggregation Services Router running Cisco IOS® XE Software Release 3.10.0S. It is an instructor-led course offered by High-Touch Delivery Learning Services; You will learn the major features, functions, characteristics, and connectivity options of Cisco ASR 903 Routers. The course includes detailed, platform specific information about the hardware. Also included is the functional operation of high availability, InService Software Upgrade (ISSU), and Ethernet and mobility services in the Cisco ASR 903 Router. This course combines lecture materials and hands-on labs throughout to make sure that you are able to successfully deploy a Cisco ASR 903 Router. Upon completion of this course, you should be able to:

- List and describe features, benefits, and functions of Cisco ASR 903 router
- List and describe the architecture, features, and functions of the hardware elements of the Cisco ASR 903 chassis, route service processor (RSP), and interface modules
- Explain the Cisco ASR 903 operating system and functionality
- Install software and successfully reboot a Cisco ASR 903 router
- Initiate a failover and describe the Cisco ASR 903 high-availability capabilities
- Install software and describe the Cisco ASR 903 ISSU capabilities
- Describe and configure Ethernet services
- Describe and configure mobility services, including time division multiplexing (TDM) and clocking
- Explain how quality of service (QoS) is implemented in hardware and how QoS features provide improved and more predictable network service

## Público Alvo

- System engineers
- Technical support personnel
- System integrators

## Pré-Requisitos

- Attend the Interconnecting Cisco Network Devices (ICND) course or equivalent experience
- Knowledge of Cisco IOS Software commands
- Understanding of principles of Multiprotocol Label Switching (MPLS), Ethernet, and routing services

## Carga Horária

24 horas (3 dias).

## Conteúdo Programático

- Module 1: Cisco ASR 903 System Introduction
- Module 2: Cisco ASR 903 Hardware Architecture
- Module 3: Cisco ASR 903 Software Architecture
- Module 4: Cisco ASR 903 Operations
- Module 5: Cisco ASR 903 High Availability
- Module 6: Cisco ASR 903 Ethernet Services
- Module 7: Cisco ASR 903 Mobility Services

- Module 8: Cisco ASR 903 Quality of Service
- Lab 1: Logging into the System and Basic Command-Line Interface (CLI)
- Lab 2: ASR 903 System Operation Functions
- Lab 3: ASR 903 High Availability and IOS ISSU
- Lab 4: Configuring Ethernet Interfaces
- Lab 5: Configuring an End-to-End Packet-Based Solution That Transports TDM Circuits
- Lab 6: Adding a QoS Policy to Mobile Backhaul