RSCAT6K (IMPLEMENTING CATALYST 6500 SERIES SWITCHES)

Objetivo

This is a product training course to update the Cisco Catalyst 6500 training found in the DCNI-1 certification course. The purpose is to enable students to implement the CAT6500 series switches using the updated software with particular attention to the new Supervisor Engine 2T software. Upon completing this course, the learner will be able to meet these overall objectives: Module 1 Objective: The student will understand the Catalyst 6500 Series Switches hardware and architecture of chassis and line cards, especially the new Supervisor engine 2T and the line cards for this new supervisor engine as well as the forwarding of packets through a Catalyst 6500. Module 2 Objective: Understand the Catalyst 6500 Series Switches core technologies that are specific to these switches, especially the Virtual Switching System 1440 and High Availability within the Switches as well as more general technologies like Multicasting, Cisco TrustSec, Network Virtualization and Data Center Interconnect and how these features are implemented within the Catalyst 6500 Series switches. Module 3 Objectives: This module emphasizes on the management functionalities special to the Catalyst 6500 Series Switches as well as its special hardware implementation of security and quality of service. It finishes with a Lesson that gives the students a review of all the special functions on a Catalyst 6500 Series Switch and its new features.

Público Alvo

Channel Partner / Reseller Customer Employee

Pré-Requisitos

While no pre-requisite training is required, it is suggested that students have an intermediate level of expertise and experience with deploying modular Catalyst switch products.

Carga Horária

24 horas (3 dias).

Conteúdo Programático

Module 1: Catalyst 6500 Series Switches Architecture
Lesson 1: Assessing Catalyst 6500 Series Switches
Lesson 2: Listing Catalyst 6500 Series Switch Supervisor Modules
Lesson 3: Choosing Catalyst 6500 Series Switch Line Cards
Lesson 4: Characterizing the packet forwarding mechanisms in a Catalyst 6500 Series Switch
Lesson 5: Describing Unicast Packet Walks between different Line Cards
Module 2: Core Technologies on the Catalyst 6500 Series Switches
Lesson 1: Applying the Virtual Switching System 1440 to a network M2L1 Objective: Apply the VSS 1440 system

virtualization technology, capabilities, M2Lab 2-1Lab Title: Deploy and examine the VSS 1440 operation
Lesson 2: Analyzing Multicast on the Catalyst 6500
Lesson 3: Characterizing Identity and Authentication
Lesson 4: Introducing Network Virtualization
Lesson 5: Describing Data Center Interconnect Module 2
Lesson 6: Planning and Implementing High Availability
Module 3: Catalyst 6500 Monitoring and Operations
Lesson 1: Configuring SPAN, RSPAN and ERSPAN
Lesson 2: Configuring NetFlow M1Lab 3-1 Lab Title: NetFlow Configuration
Lesson 3: Introducing to Enhanced Manageability M3Lab 3-2 Lab Title: Configure EEM, GOLD and SCH
Lesson 4: Deploying Control Plane Protection M3Lab 3-3 Lab Title: CoPP Configuration
Lesson 5: Implementing ACL Features M3Lab 3-4 Lab Title: Access Control Lists Configuration
Lesson 6: Prioritizing Traffic through the Catalyst 6500 using QOS
Lesson 7: Describing Catalyst 6500 Best Practices