

Learning Services

Configuring the Cisco Nexus Data Center Transport (CCNDC-T) v2.0



Overview

Configuring the Cisco Nexus Data Center Transport (CCNDC-T) version 2.0 is a Cisco® Training on Demand course. It is an educational session that includes lectures by a subject matter expert and hands-on practice exercises. These exercises enable you to develop the skills for designing and configuring a data center network that supports a Virtual Computing Environment (VCE).

Using the Cisco Nexus® family of products, you will gain an understanding about and construct a highly available and modular network infrastructure that can be used to provide virtualized cloud-based services. You acquire conceptual and practical knowledge about configuring the Cisco Nexus 2000 Series Fabric Extenders as well as the Cisco Nexus 5000 and 7000 Series Switches into a scalable data center network

Duration

The CCNDC-T Training on Demand course consists of 4 modules totaling more than 5 hours of video instruction along with 4 hands-on lab exercises.

Target audience

The primary audience for this course is network or data center professionals who are involved in the design, implementation, or support of virtualized and/or cloud computing data centers.

Objectives

After completing this course, you should be able to:

- Describe current data center strategies such as cloud computing, virtualization, and unified fabric
- Configure a modern end-to-end data center infrastructure using the Cisco Nexus 2000, 3000, 5000, 6000, and 7000 Series products to support a virtual computing environment

Course prerequisites

The knowledge and skills necessary before attending this course are:

- Cisco CCNA® level networking knowledge and experience configuring Cisco network routers and switches
- Introductory-level understanding of data center architectures and virtualization concepts

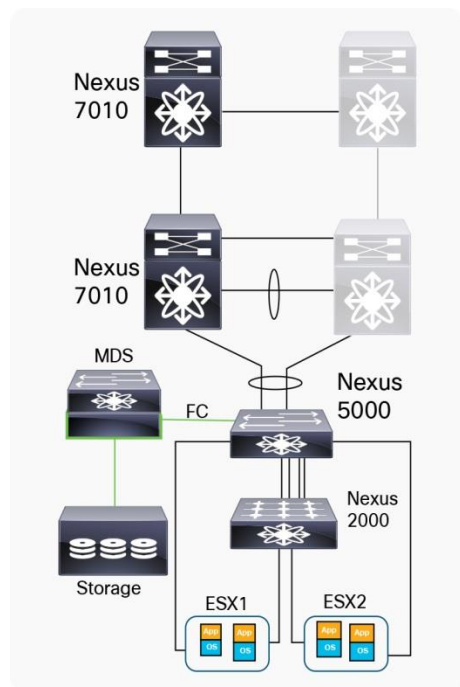
Course outline

- Module 1: Determining the Elements of Proper Data Center Design
- Module 2: Selecting Hardware to Meet the Data Center Design Requirements
- Module 3: Performing Initial Device Setup and Software Configuration
- Module 4: Configuring and Verifying the Data Center Transport Infrastructure

Lab Outline

This course contains 4 hands-on lab exercises.

Representative topology for all labs in the course:



The labs included in this course are:

- Lab 1: Managing Cisco Nexus Hardware and Software
- Lab 2: Creating a Virtual Network Device
- Lab 3: Configuring and Verifying the Layer 2 Data Center Topology
- Lab 4: Configuring and Verifying the Layer 3 Data Center Topology

Instructor Bio

Joe Rinehart is currently based in the Seattle area. He has been involved with Cisco networking technologies and teaching for nearly twenty years. He holds a Cisco CCIE® certification and has a deep passion for providing engaging learning experiences to students worldwide.

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