

5 Days

CISCO CCNP Data Center

Cisco CCNP Data Center is a job-role-focused certification that allows professionals, technology architects, and design & implementation engineers to design, install and manage their data center networks. Through this professional certificate course, Cisco provides a comprehensive curriculum to professionals to operate the key functionalities of designing and maintaining the data center networks in their organization.

As the course lays its emphasis on job-role based training, the CCNP Data Center Certification provides the participants to choose a data center education based on their job role functions. This helps them to gain expertise in their specific area that drives the value of their knowledge and is a beneficial yield on their investments in data center education.

The CCNP Data Center Certification is achieved through the following exams & training:

- Implementing Cisco Data Center Unified Computing
- Implementing Cisco Data Center Unified Fabric

AND

- Troubleshooting Cisco Data Center Unified Computing
- Troubleshooting Cisco Data Center Unified Fabric

OR

- Designing Cisco Data Center Unified Computing)
- Designing Cisco Data Center Unified Fabric

Course Details

Course Outline

1. Implementing Cisco Data Center Unified Computing

- 1.0 Implementing C-Series Standalone
- 2.0 Configuring Cisco UCS B-Series Connectivity
- 3.0 Managing Cisco UCS B-Series

- 4.0 Provisioning Cisco UCS Compute Resources
- 5.0 Implementing Cisco UCS Server Virtualization Features

2. Implementing Cisco Data Center Unified Fabric

- 1.0 Describing the Cisco Unified Fabric Products in a Cisco Data Center Network Architecture
- 2.0 Implementing Security on Cisco Unified Fabric Products in a Cisco Data Center
- 3.0 Managing the Unified Fabric in a Cisco Data Center Architecture
- 4.0 Implementing High Availability Features on Cisco Unified Fabric Products in a Cisco Data Center Architecture
- 5.0 Implementing Cisco Unified Fabric Network Features and Functionality in a Cisco Data Center Environment
- 6.0 Implementing Network Virtualization in Cisco Data Center Environment
- 7.0 Implementing Storage features in a Cisco Data Center environment

3. Troubleshooting Cisco Data Center Unified Computing

- 1.0 Troubleshooting UCS Architecture and System Internals
- 2.0 Troubleshooting UCS Installation, Configuration, and Startup
- 3.0 Troubleshooting UCS SAN/LAN/VLAN Connectivity
- 4.0 UCS Compute Troubleshooting
- 5.0 UCS C-Series Standalone Troubleshooting

4. Troubleshooting Cisco Data Center Unified Fabric

- 1.0 Troubleshooting Layer 2 Connectivity Issues in a Cisco Data Center Network
- 2.0 Troubleshooting FCoE Issues in a Cisco Data Center Network
- 3.0 Troubleshooting Storage Area Network in a Cisco Data Center
- 4.0 Troubleshooting DCI Issues in a Cisco Data Center Network
- 5.0 Troubleshooting Platform Specific Issues in a Cisco Data Center Network

5. Designing Cisco Data Center Unified Computing

- 1.0 Describing the Design Methodology
- 2.0 Describing Data Center Structure and Modularity
- 3.0 Describing the Technologies Used within the Data Center
- 4.0 Designing the Access Layer of a Data Center
- 5.0 Designing Virtualization Solution using Cisco UCS
- 6.0 Designing Network Management Considerations into a Data Center

6. Designing Cisco Data Center Unified Fabric

- 1.0 Describing the Design Methodology
- 2.0 Describing Data Center Structure and Modularity
- 3.0 Describing the technologies used within the Data Center
- 4.0 Designing the Core Layer of a Data Center
- 5.0 Designing the Aggregation Layer of a Data Center
- 6.0 Designing the Access Layer of a Data Center
- 7.0 Designing Storage and SAN Solution
- 8.0 Designing Security Considerations into a Data Center
- 9.0 Designing Network Management Considerations into a Data Center

Who Should Attend

This course is ideal for those working with the profiles of:

- Channel Partner / Reseller
- Customer
- Employee

Pre Requisite

Valid Cisco CCNA Data Center certification or any Cisco CCIE certification can act as a prerequisite.

Exams

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