XCELERATE TRAINING INSTITUTE

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INFORMATION TECHNOLOGY

Cisco CCNP – Data Center – DCII (300 – 165)

DURATION	LANGUAGE	FORMAT
5 days	**English**	**Classroom / Online**

Upcoming dates

Dates	Venue	Format	Fee
17 – 21 May 2027	Live online	Online (live)	**€1,200**
22 – 26 Nov 2027	Live online	Online (live)	**€1,200**
27 – 31 Dec 2027	Madrid	Classroom	**€4,800**

Register or ask a question

Online: x8ti.com/course/cisco-ccnp-data-center-dcii-300-165/

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Cisco CCNP – Data Center – DCII (300 – 165)

Introduction

This Cisco CCNP Data Center - DCII (300-165) course by Xcelerate Training Institutes exam evaluates a candidate's ability to implement Cisco data center infrastructure. The course covers core protocols, routing, switching, maintenance, management, operations, security, and storage.

Learning Objectives

Upon completion, participants will be qualified for senior roles driving digital business transformation initiatives.

Training Methodology

The Implementing Cisco Data Center Infrastructure (DCII) v6.2 course provides the necessary skills and knowledge to implement and maintain Cisco data center infrastructure. It covers core technologies like LAN and SAN switching, routing, storage, security, system management, programmability, and monitoring. The course includes a combination of lectures, hands-on labs, and practice exercises to prepare learners for the Cisco CCNP Data Center certification exam. It is suitable for IT professionals with 5-8 years of experience in data center roles, such as data center administrators, engineers, network administrators, and system administrators.

Benefits for Your Organisation

Hiring a CCNP Data Center – DCII certified professional offers significant advantages to your organization. Their deep understanding of advanced data center technologies, including networking protocols, virtualization, and security, enables them to design, implement, and troubleshoot complex data center infrastructures. This expertise translates into improved network performance, enhanced scalability, and heightened security, ultimately driving business efficiency and resilience. Additionally, CCNP certification signifies a commitment to continuous learning and industry best practices, ensuring your organization stays at the forefront of technological advancements.

Benefits for You

The Cisco CCNP – Data Center – DCII (300-165) certification demonstrates your expertise in implementing Cisco data center infrastructure, including key protocols, routing and switching protocols, maintenance, management, operations, security, and storage. This certification validates your ability to design, deploy, and troubleshoot complex data center solutions, making you a valuable asset in today's data-driven world.

Who Should Attend

Network professionals with L2/L3 data center experience, primarily using Cisco Nexus switches, seeking expertise in configuring, implementing, and designing data center protocols such as VPC, Fabric Path, and VXLAN.

Course Outline

Routing and Switching Fundamentals

- Implement routing protocols (OSPFv2, OSPFv3, IS-IS, PIM)
- Implement First Hop Redundancy Protocols (FHRP, HSRP, VRRP)
- Implement switching protocols (STP, LACP/port-channel, FEX, VNTAG)

VPC Implementation

- Implement VPC configuration
- Configure basic and advanced VPC features
- Troubleshoot VPC issues

Fabric Path Implementation

- Implement Fabric Path network
- Configure Segment ID and distributed gateway
- Implement any cast HSRP and multiprotocol BGP
- Configure VPC+

VXLAN and Overlay Networks

- Implement VXLAN overlay network
- Configure distributed gateway and multiprotocol BGP EVPN
- Integrate VPC with VXLAN
- Implement Overlay Transport Virtualization (OTV)

LISP and Data Center Security

- Implement LISP protocol
- Implement Access Control Lists (ACLs)
- Implement Authentication, Authorization, and Accounting (AAA) and Role-Based Access Control (RBAC)
- Implement Fiber Channel fabric and protocols
- Implement Fiber Channel over Ethernet (FCoE) Unified Fabric

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Registration Form

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Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

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Signature: ..... Date: .....

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