

# Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT)

**Category:** Data Center

**Duration:** 40.00 hours (5 days)

**32.5 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

The focus of this skills-building course is troubleshooting of LANs, SANs, Cisco Unified Fabric, Cisco Unified Computing System (UCS), and Cisco Application Centric Infrastructure (ACI). The course provides rich hands-on experience in resolving problems on Cisco MDS switches, Cisco Nexus switches, Cisco fabric extenders (FEXs), Cisco UCS, and Cisco ACI.

## About This Course

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## Who Should Attend

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Network Administrator

Network Engineer

Systems Engineer

Consulting Systems Engineer

Cisco Integrators/Partners

# Learning Outcomes

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## **Upon successful completion of this course, participants will be able to:**

Upon completion of this course, you will be able to:

Outline the troubleshooting process, and highlight which questions to ask

Describe the troubleshooting tools and methodologies that are available from the CLI and are used to identify and resolve issues in a Cisco Data Center network architecture

Identify and resolve issues related to VLANs and PVLANS

Identify and resolve issues related to port channels and virtual port channels

Identify and resolve issues related to Cisco FabricPath

Identify and resolve issues related to OTV

Identify and resolve issues related to VXLAN

Identify and resolve issues related to LISP

Describe troubleshooting of routing protocols, such as OSPF, ISIS, and PIM.

Describe troubleshooting of the AAA and RBAC

Identify and resolve issues related to a single device

Identify and resolve issues related to Fibre Channel interface operation

Identify and resolve issues related to Fibre Channel switching when the Cisco NX-OS software switch is used in switched mode (vs. NPV mode)

Identify and resolve issues related to Fibre Channel switching when the NX-OS switch is used in N Port Virtualization (NPV) mode

Identify and resolve issues related to FIP and FCoE, including FCoE performance

Describe Cisco UCS architecture, initial setup, tools and service aids that are available for Cisco UCS troubleshooting and interpretation of the output

Describe Cisco UCS configuration and troubleshoot related issues

Describe Cisco UCS B-Series operation and troubleshoot related issues

Describe LAN, SAN and Fibre Channel operations, including in depth troubleshooting procedures

Describe Cisco IMC utilities to validate performance and facilitate data-gathering activities for Cisco UCS C-Series troubleshooting, as well troubleshooting approach to hardware and firmware failures

Define proper procedures to configure LAN and SAN connectivity and avoid issues with the P81E virtual interface card (VIC)

Troubleshoot integration of Cisco UCS C-Series servers with Cisco UCS Manager

Identify tools, protocols and methods to effectively troubleshoot Cisco ACI

## Additional Course Details

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Nexus Humans Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 5-day Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT) training?**

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT)?**

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: Why choose Nexus Human for Cisco Troubleshooting Cisco Data Center

### Infrastructure v7.0 (DCIT)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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## Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Cisco Troubleshooting Cisco Data Center Infrastructure v7.0 (DCIT) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

## Nexus Human

### Professional Training & Development

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