

# Cisco Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU)

**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

This course is designed to provide you with the foundational knowledge for the suite of Cisco® CCNP® Service Provider courses. The course expands what you learned from the Cisco CCNA® course with a focus on theoretical and practical knowledge needed for the Service Provider environment. Through a combination of lessons and hands-on practice, you will learn about architectures, protocols, software and hardware platforms, and solutions within the Service Provider realm. While this course does not lead directly to a certification exam, it does cover foundational knowledge critical to the success in the Service Provider Technology track.

## About This Course

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## Who Should Attend

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This course is designed for network and software engineers and hold job roles such as:

Network administrator

Network engineer

Network manager

System engineer

Project manager

Network designer

# Learning Outcomes

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

After taking this course, you should be able to:

Describe network architectures, devices, and software used by service providers

Describe the various Internet governance organizations, their roles, and tools available for governance information verification

Configure Cisco Internetwork Operating System (Cisco IOS®) and Cisco IOS XE routers

Describe Cisco IOS XR software, perform initial configuration, and explain platform daily tasks

Describe various access and core technologies used by service providers

Describe various major switching technologies used by service providers

Describe major overlay technologies and their usage, and configure Virtual Extensible LAN I (VxLAN)

Describe various major routing protocols used by service providers

Configure Layer 3 services used by service providers

Describe Multiprotocol Label Switching (MPLS), components, protocols, and MPLS usage

Describe usage of various services used and maintained by service providers

Introduce Linux networking, Bourne Again Shell (BASH) scripting, and their usage within Cisco IOS XR software

## Additional Course Details

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Nexus Humans Cisco Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU) 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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU) 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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU)?**

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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU) 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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU) 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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU)?**

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU). 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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU)?

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 Understanding Cisco Service Provider Network Foundations v1.0 (SPFNDU) 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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