Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI)

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Implementing Cisco Crosswork Network Controller (SPCNCI) v1.0 course introduces you to the Cisco® Crosswork Network Controller (CNC) and its installation. Through a series of lectures and labs you will learn to use Cisco CNC to streamline, manage, and automate service lifecycle functions spanning across service provisioning, visualization, monitoring, and optimization. You will also get an overview of Cisco CNC as an IP transport network controller platform, of its components, and of its utility in various use-cases such as boosting operational agility, improving intent-based service delivery, and reducing the cost of operations.This course will also teach you about creating custom service definitions, tactical traffic engineering policies, automated provisioning of services, and real-time traffic optimization. Additionally, you will learn about implementing closed loop automation workflows for remediation, optimization, and maintenance. Finally, this course will teach you to understand APIs to help interface with other systems, as well as best practices, including sizing guidelines across components of the CNC meant to meet scalability and high-availability requirements.

About This Course

The Implementing Cisco Crosswork Network Controller (SPCNCI) v1.0 course introduces you to the Cisco® Crosswork Network Controller (CNC) and its installation. Through a series of lectures and labs you will learn to use Cisco CNC to streamline, manage, and automate service lifecycle functions spanning across service provisioning, visualization, monitoring, and optimization. You will also get an overview of Cisco CNC as an IP transport network controller platform, of its components, and of its utility in various use-cases such as boosting operational agility, improving intent-based service delivery, and reducing the cost of operations.This course will also teach you about creating custom service definitions, tactical traffic engineering policies, automated provisioning of services, and real-time traffic optimization. Additionally, you will learn about implementing closed loop automation workflows for remediation, optimization, and maintenance. Finally, this course will teach you to understand APIs to help interface with other systems, as well as best practices, including sizing guidelines across components of the CNC meant to meet scalability and high-availability requirements.

Who Should Attend

Network administrators

Network operators

Network architects

System installers

System integrators

System administrators

Learning Outcomes

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

After taking this course, you should be able to:

Explain the advantages of CNC for service lifecycle functions

Describe the architecture of the Cisco Crosswork Network Controller and its components

Describe the main operations features and capabilities of CNC

Perform the installation and initial configuration of the Cisco Crosswork Network Controller

Onboard network devices in CNC

Enable data collection in CNC using Crosswork Data Gateway

Provision traffic engineering policies to be used by network services

Explore network topology and inventory details by using the available visualizing tools

Optimize a network service instance for bandwidth utilization during the lifetime of service instances

Bind newly provisioned Layer 2 and Layer 3 VPN service instances to traffic engineering policies

Develop custom Layer 2 and Layer 3 Multiprotocol Label Switching (MPLS) VPN service definitions

Configure Key Performance Indicators (KPIs) to monitor the health of devices

Develop plays and playbooks for closed loop automation

Automate network operations and maintenance tasks

Explore closed loop workflows

Use northbound application programing interfaces to integrate other systems with CNC

Send alerts to northbound systems

Configure the collection and exporting of data to external endpoints

Manage the Crosswork cluster

Deploy CNC for optimal availability, scalability, and performance

Troubleshoot CNC issues

Additional Course Details

Nexus Humans Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI) 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 Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI) 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

Q: What delivery options are available for Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI)?

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

Q: How many CPD hours does this course provide?

The 4-day Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI)?

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI). 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.

Q: Why choose Nexus Human for Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI)?

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

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Cisco Implementing Cisco Crosswork Network Controller v1.0 (SPCNCI) 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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