Configuring BGP on Cisco Routers (BGP)

Category: Networking & Security | **Vendor:** Cisco

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 Configuring BGP on Cisco Routers (BGP) v.4.0 course teaches the underlying foundations of the Internet and new-world technologies such as Multiprotocol Label Switching (MPLS). It prepares students to design and implement efficient, optimal, and trouble-free BGP networks covering:

- The theory of BGP and configuration of BGP on Cisco IOS routers
- Detailed troubleshooting information and hands-on exercises that provide students with the skills needed to configure and troubleshoot BGP networks in customer environments
- BGP network design issues and usage rules for various BGP features

Please note that this course lab access is valid for 60 hours or 90 days whichever is the shorter, so please ensure you exit the lab exercises when not in use.

About This Course

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Who Should Attend

- Network administrators
- Network engineers
- Network managers
- Systems engineers (who would like to implement BGP)

Prerequisites & Entry Requirements

General Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Intermediate to advanced knowledge of Cisco IOS Software configuration
- Configuring and troubleshooting RIP, EIGRP, OSPF and IS-IS
- Skills and knowledge equivalent to those learned in:
- CI-CCNA
- CI-ENARSI
- CI-SPCOR

Learning Outcomes

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

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

- Describe how to configure, monitor, and troubleshoot basic BGP to enable interdomain routing in a network scenario with multiple domains
- Describe how to use BGP policy controls to influence the BGP route selection process in a network scenario in which you must support connections to multiple ISPs
- Describe how to use BGP attributes to influence the route selection process in a network scenario where you must support multiple connections.
- Describe how to successfully connect the customer network to the Internet in a network scenario in which multiple connections must be implemented
- Describe how to configure the service provider network to behave as a transit AS in a typical implementation with multiple BGP connections to other autonomous systems.
- Enable route reflection as possible solution to BGP scaling issues in a typical service provider network with multiple BGP connections to other autonomous systems.
- Describe the available BGP tools and features to optimize the scalability of the BGP routing protocol in a typical BGP network

Detailed Course Outline

- Module 1: BGP Overview
- Module 2: BGP Transit Autonomous Systems
- Module 3: Route Selection Using Policy Controls
- Module 4: Route Selection Using Attributes
- Module 5: Customer to Provider Connectivity with BGP
- Module 6: Scaling Service Provider Networks
- Module 7: Optimizing BGP Scalability

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Configuring BGP on Cisco Routers (BGP)?

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 5-day Configuring BGP on Cisco Routers (BGP) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Configuring BGP on Cisco Routers (BGP) training?

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

Q: Do you provide corporate training for Configuring BGP on Cisco Routers (BGP)?

Yes, we provide corporate training, dedicated training, and closed classes for Configuring BGP on Cisco Routers (BGP). 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: What related terms do people search for?

Popular related searches include: Configuring BGP on Cisco Routers, Cisco Networking, BGP

Q: Why choose Nexus Human for Configuring BGP on Cisco Routers (BGP)?

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 Configuring BGP on Cisco Routers (BGP) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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