Configuring BGP on Cisco Routers 4.1

What you'll learn in this course

The Configuring BGP on Cisco Routers training 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

Course duration

- Instructor-led training: 5 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 5 days of web-based classes with hands-on lab practice
- E-learning: Equivalent of 5 days of video instruction with hands-on lab practice

Who should enroll

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

How to enroll

To enroll in the BGP course
or explore our larger catalog

Course details

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

Prerequisites

The knowledge and skills you are expected to have before attending this training are:

- 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:
  - Implementing and Administering Cisco Solutions (CCNA)
  - Implementing Cisco Advanced Routing and Services (ENARSI)
  - Implementing and Operating Cisco Service Provider Core Technologies (SPCOR)