

Cisco Training: BGP Design & Implementation (CSCBGP, 4 jours)

Description

The course BGP Design & Implementation (Cisco Training) is a complete exploration of configuration, management and troubleshooting activities in an enterprise BGP environment. Starting with the basic concepts of BGP, the course moves quickly through the many complexities of a BGP implementation from design to implementation. Manage your virtual border well.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to BGP

The Components of BGP

BGP: Theoretical Foundations for a Practical World

Establishing a Session

Working with Path Attributes

About Route Processing

Mastering the Base Configuration

Monitoring and Troubleshooting

The Architecture: Transit Autonomous Systems

What is a Transit AS

Interacting with IBGP and EBGP in a Transit AS

Forwarding Packets in a Transit AS

Configuring a Transit AS

Monitoring and Troubleshooting IBGP in a Transit AS

Managing Routes with Policy Controls

Multihomed BGP Networks

Employing AS Path Filters

Filtering with Prefix Lists

Outbound Route Filtering

Applying Route Maps as BGP Filters

Implementing Changes in BGP Policy

Managing Routes with Attributes

Managing BGP Routes with Weights

BGP Local Preference

AS-Path Prepending

BGP Multi-Exit Discriminator (MED)

Addressing BGP Communities

Customer-to-Provider Connectivity with BGP

The Customer-to-Provider Scenario

Working with Static Routes

About the Multiple Service Provider Scenario

Best Practices

Scaling Service Provider Networks

Scaling IGP and BGP in Service Provider Networks

Designing Networks and Route Reflectors

Configuring and Monitoring Route Reflectors

Configuring and Monitoring Confederations

Optimizing BGP Scalability

Improving BGP Convergence

Limiting the Number of Prefixes Received from a BGP Neighbor

Implementing BGP Peer Groups

BGP Route Dampening

A Complete BGP Troubleshooting Lab
