Configuring BGP on Cisco Routers (BGP)

ID BGP   **Price** CHF 3,760.—(excl. VAT)   **Duration** 5 days

Who should attend

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

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

Course Objectives

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

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