

# BCN

## Building Core Networks with OSPF, ISIS, BGP, and MPLS



The NIL Building Core Networks with BGP, OSPF and MPLS (NIL\_BC MPL) course provides the knowledge and skills needed in designing and implementing core MPLS networks. The focus of the course is on MPLS applications such as MPLS VPN (with special attention to Internet access from a VPN), Any Transport over MPLS (AToM), Carrier Supporting Carrier (CsC) and MPLS Traffic Engineering (MPLS TE). As a prerequisite for MPLS deployment the routing protocols are explained as well - the Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP). The scalability issues of the protocols as well as multiprotocol BGP are addressed as well. Several practice labs enable you to gain the necessary experience in deploying the MPLS-based core networks.

### Course Contents

- OSPF Implementation
- Notes and Design Scenarios
- Scaling IGP and BGP in Service Provider Networks
- Multiprotocol BGP
- MPLS VPN Technology
- MPLS/VPN Configuration on IOS Platforms
- MPLS VPN Topologies
- MPLS/VPN Configuration on IOS Platforms
- Internet Access from a VPN
- New MPLS Applications
- MPLS Traffic Engineering Technology
- MPLS TE Implementation on Cisco IOS

### Target Group

Network designers responsible for core networks Network engineers implementing and operating core networks.

### Knowledge Prerequisites

Solid knowledge and experience with Cisco routers is required. CCNA-level knowledge of routing and TCP/IP is requested.



### Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On [www.experteach-benelux.com](http://www.experteach-benelux.com) under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



BCN

5 days

€3,290 exclusive of V.A.T.

Course date (dd.mm.yy)/Location

05.03.-09.03.12 Amsterdam

Up-to-date information: [www.experteach-benelux.com](http://www.experteach-benelux.com) BCMP



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Status 21.12.2011