

# ETH 305

## Basic Switch Router & Introduction to Load Balancing (Combined)



This course is a combination of ETH 103 - Basic Switch/Router Configuration and Management and ETH 202 - Introduction to Web Switching & Load Balancing.

The first 3 days of the course are a comprehensive study of layer 2 and layer 3 features of Foundry Networks switches and routers. These features are common to the majority of Foundry's layer 2 and 3 devices. LAN, MAN, and WAN networks are configured in the labs. Upon completion of this section, you will be able to select appropriate Foundry devices, connect, configure, and troubleshoot them in LAN, MAN and WAN networks.

The last 2 days of the course are a comprehensive study of the layer 4 through 7 features of Foundry Networks ServerIron Products. The student gains hands on experience in configuration of typical installations with the ServerIron product. Lecture topics are supported with real world labs involving: Source NAT, Direct Server Return, Active-Active Server Load Balancing, Firewall Load Balancing (FWLB), Global Server Load Balancing (GSLB).

### Course Contents

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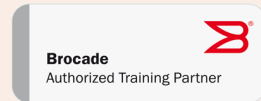
### Target Group

The course is designed for:

- Anyone who is new to the Foundry Networks products and services
- Network Administrators responsible for implementing and managing small to large business networks
- Network support staff who act as network device installers and first-line support for any size business environment
- Anyone preparing for the 'Foundry Networks Certified Network Engineer' (FNCNE) certification.

### Knowledge Prerequisites

- The OSI reference model
- The difference between networks using IP and IPX protocols
- The differences between, and functions of Layer 2 and Layer 3 devices (switches and routers)
- Spanning Tree Protocol
- Inter-domain routing protocols (RIP, static routes)
- Domain Name Service (DNS)
- The classification of TCP/UDP traffic based on port number
- The structure of a URL address (Prefix/Pattern/Suffix)



### 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!



ETH 305

5 days

€2,950 exclusive of V.A.T.

Course date (dd.mm.yy)/Location

Course dates available on request

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

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- The Essentials
- Trunks
- VLANs
- Spanning Tree Protocol
- Routing
- Open Shortest Path First (OSPF)
- Border Gateway Protocol (BGP)
- Configure EBGP and IBGP:
- Access Control Lists (ACLs)
- Virtual Router Redundancy Protocol (VRRP)
- Intro to ServerIron
- Configuring Server Load Balancing (SLB)
- Advanced Features of SLB
- Sample Designs of SLB
- Transparent Cache Switching (TCS)
- Configuring (TCS)
- Firewall Load Balancing (FWLB)
- Global Server Load Balancing (GSLB)
- Policy Based Switching



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