

# Clavister Training Course

## Clavister Advanced Routing

### Introducing Clavister Advanced Routing Training Course

Clavister offers an extensive technical training curriculum for network administrators, security experts and Clavister Partners who need to enhance their knowledge and maximize their investment in Clavister products and services.

Clavister Advanced Routing is a hands-on training course that gives you deep insight knowledge of the advanced routing capabilities found in your Clavister product. The course will also give you valuable understanding on how to best utilize your Clavister products powerful routing in various routing scenarios.

After completing this course you will have a good understanding of advanced routing concepts in network security, how to properly install and configure routing in your Clavister product, and how to best utilize the advanced routing capabilities for a typical network.

### Course Objectives

At the end of this course the participants will be able to design, configure and use a number of different routing schemes, including:

- static routing
- dynamic routing/OSPF
- policy-based routing (PBR)
- route fail-over and route load balancing
- virtual routing
- multicast routing
- transparent mode

### Course Details

**Duration:**

1 day

**Available format:**

On-site, Instructor-led online (ILO) course

**Prerequisite:**

Clavister cOS Core Fundamentals

### Key Topics

- Installation, configuration, upgrading and administration
- Configuring route fail-over and other multi-ISP scenarios
- Configuring OSPF and other advanced routing scenarios
- Configuring Transparent Mode

## Certification

After completing the Clavister Advanced Routing course, you have the option to take the certification exam and obtain an official Clavister certificate.

## Target Audience

The target audience for the Clavister Advanced Routing course are network administrators responsible for integration, administration and management using Clavister products.

## Course Outline

The following is an outline of the Clavister Advanced Routing course.

### Basics of Routing

- Repetition and preparing the lab environment

### Static Routing

- Using Proxy ARP to split networks over different interfaces
- Using Route Failover for redundant ISP connections
- Route Fail-Over
- Route Load Balancing

### Policy-Based Routing

- Using PBR to forward traffic on different paths based on rules
- Control both forward and return traffic

### Virtual Routing

- Using multiple routing tables to create logically separated systems

### Dynamic Routing

- Theory: Distance Vector Protocols and Link State Protocols
- Introduction to OSPF: integrating Clavister products in an OSPF area

### Multicast Routing

- The network duplicates packets to reach each receiver
- Setup a multicast scenario

### Transparent Mode

- How to configure transparency for drop-in installations

### Exam

- A web-based certification exam written separately

## Clavister Ordering Information

Contact your local Clavister Sales Representative for price information and to order your Clavister course.

Clavister Order Number	Course/Certification Description
CLA-TRA-ADR-001 CLA-TRA-ADRIL0-001	Clavister Advanced Routing on-site or ILO course, including course material and Clavister Certification for 1 person
CLA-TRA-ADR-003 CLA-TRA-ADRIL0-003	Clavister Advanced Routing on-site or ILO course, including course material and Clavister Certification for 3 person
CLA-TRA-ADR-006 CLA-TRA-ADRIL0-006	Clavister Advanced Routing on-site or ILO course, including course material and Clavister Certification for 6 person
CLA-TRA-ADR-CERT-001	One (1) Clavister Certification Event
CLA-TRA-ADR-CERT-003	Three (3) Clavister Certification Event
CLA-TRA-ADR-CERT-006	Six (6) Clavister Certification Event

## Contacting Clavister

If you need to get in touch with Clavister Training or have some specific questions relating to our courses, please send an email to:

[training@clavister.com](mailto:training@clavister.com)

## Course Schedules and Bookings

For information about upcoming courses and bookings, please visit:

[www.clavister.com/training/course-schedule](http://www.clavister.com/training/course-schedule)

### About Clavister

Founded in 1997, Clavister is a leading mobile and network security provider. Our award winning solutions are based on design, simplicity, and extreme performance to ensure that cloud service providers, enterprises and telecoms operators are guaranteed the highest levels of protection against the threats of today and tomorrow. Our products are designed from the inside out – Scandinavian design coupled with Swedish technology. We also hold a world record for the fastest firewall throughput. To learn more, visit [www.clavister.com](http://www.clavister.com).

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