



# Clavister Advanced Routing Course

## Clavister Training Data Sheet

### Course Details

- Duration
  - 1 day
- Available Format
  - On-site
  - Instructor-Led Online (ILO) Course

### Prerequisite

- Clavister Fundamentals Course

### Key Course 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

### Introducing Clavister Advanced Routing

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 Clavister Security Gateway. The course will also give you valuable understanding on how to best utilize Clavister Security Gateway's powerful routing in various routing scenarios.

After completing this course you will have a good understanding of advance routing concepts in network security, how to properly install and configure routing in your Clavister Security Gateway, and how to best utilize the advance 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 and dynamic routing/OSPF
- policy-based routing (PBR) and virtual routing
- multicast routing
- 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 Security Gateways.

The course is applicable to all types of Clavister Security Gateways, including physical, software and virtual security gateways.

## Course Outline

The following is an outline of the Clavister Advanced Routing course. Note that the outline might change slightly as the course goes through revisions.

### 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

### 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 Security Gateway 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 Advanced Routing course. You can also contact Clavister Sales directly by sending email to [sales@clavister.com](mailto:sales@clavister.com).

Clavister Order Number	Course/Certification Description
CLA-TRA-ADR-001	Clavister Advanced Routing, 1 day on-site course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-001)
CLA-TRA-ADR-003	Clavister Advanced Routing, 1 day on-site course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-003)
CLA-TRA-ADR-006	Clavister Advanced Routing, 1 day on-site course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-006)
CLA-TRA-ADR-ILO-001	Clavister Advanced Routing, 1 day ILO course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-001)
CLA-TRA-ADR-ILO-003	Clavister Advanced Routing, 1 day ILO course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-003)
CLA-TRA-ADR-ILO-006	Clavister Advanced Routing, 1 day ILO course, including course material and Clavister Certification (CLA-TRA-ADR-CERT-006)
CLA-TRA-ADR-CERT-001	Clavister Certification - 1 Online Certification Event
CLA-TRA-ADR-CERT-003	Clavister Certification - 3 Online Certification Events
CLA-TRA-ADR-CERT-006	Clavister Certification - 6 Online Certification Events

## 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: [education@clavister.com](mailto:education@clavister.com)

## Course Schedules

For more information about upcoming courses, please visit: [www.clavister.com/education/online\\_training](http://www.clavister.com/education/online_training)