



# Clavister Security Gateway Fundamentals

## Clavister Training Course Data Sheet

### Course Details

- **Duration**
  - 2 days (on-site)
  - 1 day + 1 hour pre-course preparation (online)
- **Available Format**
  - On-site
  - Instructor-Led Online (ILO) Course

### Prerequisite

- Knowledgeable in TCP/IP, routing and firewall basics

### Key Course Topics

- Installation, configuration, upgrading and administration
- System Components Overview
- IP Rules, Logging, Traffic Capture, Traffic Management
- DMZ, DHCP, VLAN, Security
- Backup and Recovery
- UTM, ALGs and IDP

### Introducing Clavister Security Gateway Fundamentals 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 Security Gateway Fundamentals is a hands-on training course that teaches you the fundamentals on network security and how to install and configure your Clavister Security Gateway.

After completing this course you will have a good understanding of basic network security, how to properly install and configure your Clavister Security Gateway, and how it fits into a typical network. You will also gain good insight in the various subsystems found in Clavister Security Gateway and their purpose.

### Course Objectives

At the end of this course the participants will be able to:

- install and configure the Clavister Security Gateway using the Clavister Web Management and the built-in command-line interface (CLI)
- monitor the state of the Clavister Security Gateway
- understand the fundamental concepts of Routing, Objects and IP Rules
- configure Traffic Management, ALGs, VLAN and UTM services
- troubleshoot the Clavister Security Gateway

### Certification

After completing the Clavister Security Gateway Fundamentals course, you have the option to take the certification exam and obtain an official Clavister certificate.

### Target Audience

The target audience for the Clavister Security Gateway Fundamentals 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 Security Gateway Fundamentals course. Note that the outline might change slightly as the course goes through revisions.

### Setting Up Clavister Security Gateway

- Configuration and how to access the Internet

### Clavister Logger

- Install and configure the Clavister Logger
- Best practices

### Networking Basics

- General overview: ISO-OSI, IP, TCP, RFC

### Network Security Basics

- General overview

### Clavister Web Management

- Introduction to Clavister Web Management

### IP Rules

- Understanding NAT, SAT, Allow, Forward Fast

### Licensing

- How the licensing system works

### DMZ

- Setting up a DMZ network and why

### Command-line interface

- CLI commands

### Traffic Capture

- Capturing IP packets

### Secure Copy

- Transmitting files to and from Clavister Security Gateway

### Clavister PinPoint

- Real-time monitoring with this graphical tool

### Application Layer Gateway

- Using ALGs with FTP and HTTP
- Anti-virus

### Intrusion Detection and Prevention

- Setting up IDP

### ARP Publish, Static ARP

- Working with ARP

### DHCP

- Using Clavister Security Gateway as a DHCP Client, DHCP Server and DHCP Relay

### Virtual LAN (VLAN)

- Setting up VLANs

### Traffic Management

- Traffic Management Basics
- Dynamic Balancing
- Precedence

### 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 Security Gateway Fundamentals 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-FUN-001	Clavister Security Gateway Fundamentals, 2 day on-site course, including course material and Clavister Certification (CLA-TRA-FUN-CERT-001)
CLA-TRA-FUN-003	Clavister Security Gateway Fundamentals, 2 day on-site course, including course material and Clavister Certification (CLA-TRA-FUN-CERT-003)
CLA-TRA-FUN-006	Clavister Security Gateway Fundamentals, 2 day on-site course, including course material and Clavister Certification (CLA-TRA-FUN-CERT-006)
CLA-TRA-FUN-ILO-001	Clavister Security Gateway Fundamentals, 1 day online course, plus 1 hour self preparations, including course material and Clavister Certification (CLA-TRA-FUN-CERT-001)
CLA-TRA-FUN-ILO-003	Clavister Security Gateway Fundamentals, 1 day online course, plus 1 hour self preparations, including course material and Clavister Certification (CLA-TRA-FUN-CERT-003)
CLA-TRA-FUN-ILO-006	Clavister Security Gateway Fundamentals, 1 day online course, plus 1 hour self preparations, including course material and Clavister Certification (CLA-TRA-FUN-CERT-006)
CLA-TRA-FUN-CERT-001	Clavister Certification - 1 Online Certification Event
CLA-TRA-FUN-CERT-003	Clavister Certification - 3 Online Certification Events
CLA-TRA-FUN-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)