



# Deploying SSL Services with the Cisco Catalyst 6500 SSLSM

**Length**  
1 day

**Format**  
Lecture/lab

**Track**  
Design/  
Support

**Version**  
1.0

## Course Description

The Cisco Catalyst 6500 Secure Socket Layer Services Module (SSLSM) accelerates the performance and enhances the security of web-enabled applications, enabling secure content networking that is easily integrated into existing Layer 2-3 networks.

This course provides the knowledge and skills that you need to design, configure, and troubleshoot content networking solutions secured by the SSLSM.

## Who Should Attend

This course is designed for Systems Engineers who need to design and implement content networking services using the SSLSM.

## Recommended Prerequisites

- CCNP certification or equivalent experience
- Familiarity with the architecture of the Catalyst 6500 platform
- Basic understanding of the HTTP and SSL protocols

## Related Training

- This course is part of Firefly's *Designing E-Commerce Solutions With the Cisco Catalyst 6500 (DEC6K) v1.0* course

# CAT6K

## Learning Objectives

After you complete this course, you will be able to:

- Explain how SSL offload enables load-balancing of encrypted sessions
- Explain how the SSLSM optimizes the management of certificates
- Differentiate between configuration modes based on the presence or absence of a CSM
- Describe the standalone and integrated-redundancy options
- Configure PKI resources for the SSLSM
- Configure SSL server proxy services
- Configure HSRP to provide redundancy for SSLSMs
- Describe the process of integrating an SSLSM with a CSM, including network architecture, advantages, and troubleshooting
- Describe the policy configurations available on the SSLSM
- Explain back-end SSL encryption





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## Course Outline

### **Lesson 1: Introducing SSL Services Module**

- End-to-End Encryption
- Server SSL Offload
- Certificate Optimization
- Layer 7 Load Balancing
- Layer 5-7 Information
- Standalone vs. Integrated Mode
- Achieving Redundancy in both Stand-Alone and Integrated Modes
- Comparing the CSM-S to CSM and SSLSM

### **Lesson 2: Configuring the SSLSM**

- Initial Configuration
- Configuring a Public-Key Infrastructure
- Configuring SSL Proxy Services
- Achieving High Availability with HSRP
- Integrating with CSM
- Introducing Policies
- Back-End SSL Configuration

## Course Labs

- Lab 1: Configuring SSL Termination in Stand-Alone Mode
- Lab 2: Configuring SSL Termination in Integrated Mode
- Lab 3: SSL Challenge Lab



Learning  
Solutions