

Implementing the Application Control Engine Service Module v2

ACESM



Delivery Type: Classroom

Duration: 4 days

Overview

This is an instructor-led, lecture / lab course that teachers delegates how to design, deploy and optimize intelligent network services using the Cisco (ACE) Application Control Engine Module for the Catalyst 6500 Switch. All key features of the ACE 2.0 software, including resource virtualisation and management, server load balancing (Layer 2-4 and Layer 7), SSL termination and offload, and security features like application-layer inspection and fix-ups..

Pre-Requisites

The knowledge and skills that a learner must have before attending this course are as follows:

- ✓ TCP / IP protocol
- ✓ HTTP and SSL protocols
- ✓ N-tier application architecture
- ✓ Server load-balancing.

Objectives

At the end of the course delegates will be able to:

- ✓ Describe IP application delivery within the ACE module
- ✓ Describe the configuration tasks necessary to successfully deploy an ACE module
- ✓ Describe the structure and function of the

- ✓ Modular Policy CLI statements used to configure ACE features.
- ✓ Describe the methods used to manage the Cisco ACE Module
- ✓ Describe the capabilities the Cisco ACE Module used to load balance IP-based applications.
- ✓ Create new contexts and resource classes
- ✓ Implement fix-ups and inspection
- ✓ Troubleshoot common SLB configuration errors.
- ✓ Create class maps and server farms
- ✓ Configure a Cisco ACE context to load-balance traffic flows
- ✓ Configure a Cisco ACE context to monitor real servers
- ✓ Describe the ACE features that provide IP application-based security
- ✓ Implement SSL termination
- ✓ Configure network address translations
- ✓ Describe the high availability features of the Cisco ACE Module
- ✓ Identify the layer 7 processing options used to provide advanced application networking.
- ✓ Configure a Cisco ACE context to perform a variety of functions in an integrated environment

Target Audience

This course is intended for a technical engineers and network architects who need to design or deploy server load-balancing solutions using the Cisco ACE module.