

Designing Cisco Data Center Application Services v3.2

DCASD



Delivery Type: Classroom

Duration: 5 days

Overview

This course is focused on the how to design Cisco Data Center Application Services by deploying the Catalyst 6500 Application Control Engine (ACE) service module, the ACE Appliance and the Cisco Global Site Selector. All of the key features of the Cisco ACE family are covered, including virtualization and role-based access control, server load balancing (Layers 3-4 and Layers 5-7), SSL termination and offload, security features including application-layer inspection; web application acceleration, and optimization features. You will also learn how to design solutions which can maximise the Global Site Selector (GSS), incorporate Global Server Load Balancing (GSLB) and optimize the WAN using Wide Area Application Services (WAAS).

Pre-Requisites

Attendees should meet the following prerequisites:

- ✓ CCNA, CCDA or equivalent knowledge;
- ✓ Familiarity with TCP/IP protocol suite;
- ✓ Knowledge of HTTP and SSL protocols;
- ✓ Basic understanding of N-tier application architecture;
- ✓ Basic understanding of server load-balancing concepts.

Objectives

After you complete this course you will be able to:

- ✓ Describe Enterprise Application Architecture
- ✓ Describe IP application delivery with the Cisco ACE module
- ✓ Describe the configuration tasks necessary to successfully deploy a Cisco ACE module
- ✓ Describe the structure and function of the Modular Policy CLI statements used to configure CiscoACE features
- ✓ Describe the methods used to manage the Cisco ACE Module
- ✓ Describe the Cisco ACE features that provide IP application-based security
- ✓ Describe the capabilities and configuration of the Cisco ACE features used to provide load balancing of IP-based applications
- ✓ Describe the health-monitoring capabilities of the Cisco ACE module
- ✓ Identify the Layer 7 processing options used to provide advanced application networking
- ✓ Describe the CiscoACE support for SSL protocol processing
- ✓ Describe a methodology used to design and configure multiple Cisco ACE features
- ✓ Design a plan of migration from the CSM and CSS to the Cisco ACE Module and appliance
- ✓ Describe the Cisco ACE 4710 Web Application and Optimizations and be able to deploy them

- ✓ Describe Cisco GSS topology and successfully deploy the appliance
- ✓ Describe the high availability capabilities of the Cisco ACE products
- ✓ Describe the Wide Area Application Services features
- ✓ Design a Comprehensive Data Center solution using the Cisco ACE and Cisco GSS.

Target Audience

This course is intended for System Engineers and Network Architects responsible for the analysis and design of ACE based solutions.

Certification

Recommended as preparation for exam:
642-972 DCASD - Data Center Application Services Design. For further information, please visit www.dada.bg/certification

Further Information

This course is required for the Cisco Data Center Application Services Design Specialist Specialisation and for those delegates looking to achieve the Cisco Channel Partner Data Center Accreditation.