

DCASD

Designing Cisco Data Center Application Services



DCASD is a 5-day, instructor-led, lecture / lab course. You will learn how to deploy and configure intelligent network services using the Cisco ACE Products, Catalyst 6500 Application Control Engine (ACE) 4710 . This course covers all of the key features of the ACE products, including resource virtualization and management, server load balancing (Layer 2-4 and Layer 7), SSL termination and offload, and security features like application-layer inspection and fixups. The focus is on enabling the student to properly position the ACE products in the network for optimizing data center components and network resources.

Course Contents

Module 1: Data Center Application Services Overview.
Module 2: Designing Server Load Balancing Solutions.
Module 3: Designing Web Application Acceleration Solutions.
Module 4: Designing Site-to-Site Load Balancing Solutions.
Module 5: Optimizing the DCAS Solution.

Knowledge Prerequisites

You will gain the most from this course if you have a basic understanding of the following topics:

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

Course Objectives

After completing this course, the student will be able to:

- Describe IP application delivery with 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 capabilities and configuration of the ACE features used to provide load balancing of IP-based applications.
- Identify the layer 7 processing options used to provide advanced application networking.
- Describe ACE support for SSL protocol processing.
- Describe the ACE features that provide IP application-based security.
- Describe the high-availability features of the ACE module which are used to provide reliable application networking services.
- Describe a methodology used to design and configure multiple ACE features.



Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On www.experteach-benelux.com under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



DCASD

5 days €2,995 exclusive of V.A.T.

Course date (dd.mm.yy)/Location

Course dates available on request

Up-to-date information: www.experteach-benelux.com DCAD



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Module 1: Data Center Application Services Overview.

- Lesson 1: IP-Based Data Center Applications
- Lesson 2: Data Center Application Architecture
- Lesson 3: Deploying the ACE Appliance and Service Module

Module 2: Designing Server Load Balancing Solutions.

- Lesson 1: Modular Policy CLI
- Lesson 2: Managing the ACE Appliance and Service Module
- Lesson 3: Security Features
- Lesson 4: Layer 4 Load Balancing
- Lesson 5: Health Monitoring
- Lesson 6: Layer 7 Protocol Processing
- Lesson 7: Processing Secure Connections
- Lesson 8: Migrating From CSS and CSM

Module 3: Designing Web Application Acceleration Solutions.

- Lesson 1: Web Application Acceleration Overview
- Lesson 2: Deploying Application Acceleration and Optimization

Module 4: Designing Site-to-Site Load Balancing Solutions.

- Lesson 1: Deploying the GSS
- Lesson 2: Managing the GSS
- Lesson 3: Designing Global Server Load Balancing

Module 5: Optimizing the DCAS Solution.

- Lesson 1: High Availability
- Lesson 2: WAN Optimization
- Lesson 3: Designing Application Services



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