
Designing Cisco Data Center Application Services

Duration: 5 Days **Course Code: DCASD**

Overview:

This course is focused on the how to design Cisco Data Center Application Services by deploying the Application Control Engine (ACE) service module and the ACE appliance family technologies. All of the key features of the ACE solution are incorporated as well as the benefits and opportunities from the implementation of GSS, GSLB and the WAAS Wan optimisation solution.

Target Audience:

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

Objectives:

- To be able to describe IP application delivery with the ACE module
 - To be able to understand and describe the configuration tasks necessary to successfully deploy an ACE module
 - To be able to describe the structure and function of the Modular Policy CLI statements used to configure ACE features
 - To understand the capabilities and configuration of the ACE features used to provide load balancing of IP-based applications
 - To be able to identify the Layer 7 processing options used to provide advanced application networking
 - To be able to describe ACE support for SSL protocol processing
 - To be able to describe the ACE features that provide IP application-based security
 - To understand the high-availability features of the ACE module which are used to provide reliable application networking services.
 - To be able to describe the methodology used to design and configure multiple ACE features
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Prerequisites:

Attendees should have the following skills:

- CCNA 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

Testing and Certification

Recommended as preparation for exam:

- 642-972 - DCASD
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Content:

Module 1: Data Center Application Services Overview

- IP-Based Data Center Applications
- Data Center Application Architecture
- Deploying the ACE Appliance and Service Module

Module 2: Designing Server Load Balancing Solutions

- Modular Policy CLI
- Managing the ACE Appliance and Service Module
- Security Features
- Layer 4 Load Balancing
- Health Monitoring
- Layer 7 Protocol Processing
- Processing Secure Connections
- Migrating From CSS and CSM
- Web Application Acceleration Overview

Module 3: Designing Site-to-Site Load Balancing Solutions

- Deploying the GSS
- Managing the GSS
- Designing Global Server Load Balancing

Module 4: Optimizing the DCAS Solution

- High Availability
- WAN Optimization
- Designing Application Services

Additional 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.

Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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