

Implementing Cisco Data Center Application Services

Duration: 5.00 Days **Course Code: DCASI**

Overview:

The Implementing Cisco Data Center Application Services (DCASI) course teaches you how to design, deploy, and optimize intelligent network services using the Cisco Application Control Engine (ACE) Appliance, Service Module v2.0 and GSS. This course covers all of the key features of the ACE 2.0 software, 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.

Target Audience:

This course is designed for: Network Administrators and Field Engineers responsible for the implementation and troubleshooting of Cisco ACE-based solutions.

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Describe IP application delivery with the ACE module.
- Describe the structure and function of the Modular Policy CLI statements used to configure ACE features.
- Describe the capabilities the ACE module used to load balance IP-based applications.
- Identify the layer 7 processing options used to provide advanced application networking.
- Create new contexts and resource classes.
- Create class maps and server farms.
- Configure an ACE context to load balance traffic flows.
- Configure an ACE context to monitor real servers.
- Implement fixups and inspection.
- Describe the ACE features that provide IP application security.
- Implement SSL termination.
- Configure network address translations.
- Describe the high availability features of the ACE module.
- Configure an ACE context to perform a variety of functions in an integrated environment.
- Troubleshoot common SLB configuration errors.

Prerequisites:

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

- Familiarity with TCP / IP protocols
 - Knowledge of HTTP and SSL protocols
 - Basic understanding of N-tier application architecture
 - Basic understanding of Server load-balancing
- To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:
- Interconnecting Cisco Networking Devices Part 1 (ICND1)
 - Interconnecting Cisco Networking Devices Part 2 (ICND2)

Testing and Certification

Recommended as preparation for exam:

- 642-975 - Cisco Data Center Application Services Implementation
DCASI is one of the courses required for the **Data Center Application Services Partner Specialization**

Content:

Data Center Application Services Overview.

- IP-Based Data Center Applications
- Introducing ACE Family Solutions
- Deploying the ACE Appliance and Service Module

Implementing Server Load Balancing.

- 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
- Integrating Multiple Features

Implementing Site-to-Site Load Balancing.

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

Redundancy and Troubleshooting.

- High Availability
- Troubleshooting Application Services

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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 00 971 4 446 4987

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