Cisco ACE to Citrix Netscaler Migration

Duration: 3.00 Days   Course Code: ACENETMIG

Overview:

This course is designed for systems and field engineers who currently administer Cisco ACE loadbalancers, and who are looking to convert to the Citrix NetScaler Application Delivery Controller (ADC) platform.
Differences in capabilities, configuration and terminology used with the Citrix platform are explored to ensure delegates have a good understanding of the complexities of migration. Delegates need to be conversant with Load balancer and Application Deployment technologies deployed within the Cisco ACE platforms.

Target Audience:

System and field engineers looking to convert from the Cisco ACE load balancers to the Citrix NetScaler Application Delivery Controller (ADC) platform.

Objectives:

- **After you complete this course you will be able to:**

- Select the Right NetScaler ADC platform to replace your ACE platform.

- Be able to implement a NetScaler ADC in to existing or new deployments.

- Be able to implement the additional capabilities of the NetScaler ADC, not present in the ACE platform

- Identify the capabilities and functionality of the NetScaler platform

- Explain basic NetScaler network architecture

- Explain how SSL is configured on a NetScaler

- Implement NetScaler TriScale Technology, including Clustering

- Configure advanced load balancing and GSLB on the NetScaler system

- Optimise the NetScaler system for traffic handling and management.

- Customise the NetScaler system for traffic flow and content-specific requirements

Prerequisites:

Attendees should meet the following prerequisites:

- Good knowledge of TCP/IP and HTTP protocols
- Experience with network devices, networking protocols and aspects of application and site architecture Experience with the Cisco ACE 4710 Appliance or ACE 10, 20 or 30 Service Module
- Moderate exposure to UNIX or Linux
- Familiarity with web server technologies
- Knowledge of network security threats and site protection concepts

Testing and Certification

Recommended preparation for exam(s):

- There are currently no exams associated to this course

Content:

Introduction to the modern Virtual Data Centre

- How to address the complications of implementing ADC / Load balancer technology into a virtual data centre.

An overview of Software Defined Networking

- Citrix NetScaler VPX integrated into the Nexus 1110 Cloud Services Platform
- Overview of the Nexus 1000V networking portfolio and how the Netscaler VPX integrates in, and works in conjunction with virtual firewalls, like the Virtual Security Gateway (VSG), Web Application Firewall (WAF) and the Nexus sw

Overview of the NetScaler physical appliances, MPX and SDX and see which model compares in performance and sizing to the existing ACE

- Explain basic NetScaler network architecture
- Obtain, install, and manage NetScaler licenses

Implement NetScaler TriScale Technology,

- Explanation of NetScaler IP Addressing terminology USIP, MIP, NIP etc

Configuring Network Address

- Services Configuration Overview
- Creating Virtual Servers and Binding the service
- Load-Balancing Methods

- Understanding Content Switching

Configure a Load-Balancing Setup for

- How Clustering Works and what features are supported
- Cluster Synchronisation ; Connections
- Cluster Communication Interfaces

- SSL Administration
- SSL Certificates
- Certificate Generation
- Front-end SSL
- Front-end SSL_TCP
- SSL_Bridge

- Understanding Packet Processing Flow
- Configuring Rewrite Policies and Actions
- Configuring Responder Policies and Actions

Configuring URL Transformation Policies and

- Integrated Caching
- Reverse-Proxy-Cache Configuration
- Caching Static and Dynamic Content
- FlashCache
- AppExpert Templates, Terminology ; Methodology

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931