

Application Delivery Control 6

OEM: A10 Networks • Code: APPLICATION_DELIVERY_CONTROL_6

COURSE DESCRIPTION

This course focuses on providing users the necessary skills to implement common Application Delivery Control scenarios for A10 ACOS deployments in data center environments.

AUDIENCE PROFILE

- Network Operations (NetOps)
- Development Operations (DevOps)
- Application Engineers (AppEng)
- Network Security (NetSec)
- Architects (Arch)

PREREQUISITES

- A10 Networks SysAdmin Course OR equivalent ACOS CLI, aVCS, and VRRP-A experience

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Layer 4 and 7 virtual servers with associated configuration elements
- Compression, caching, and connection reuse
- Global server load balancing

COURSE OUTLINE

Module 1: Load balancing concepts

- Integration topologies: routed, one-armed, DSR
- L4 SLB options and configuration
- Source IP Persistence
- SLB Source NAT

Module 2: HTTP Protocol

- L7 HTTP Virtual Server
- HTTP Health Monitor
- HTTP Header rewriting
- Failover

Module 3: HTTPS Protocol

- L7 HTTPS Virtual Server
- SSL Off-Load
- HTTPS Redirect
- Certificate Creation

Module 4: Acceleration

- Connection Reuse
- HTTP compression
- RAM Caching

Module 5: Policy Based Server Load Balancing (PBSLB)

- PBSLB with Black-White Lists and Class Lists
- Access Control Lists

Module 6: Integrated DDoS Protection

- SYN Flood Mitigation
- LAND Attack Mitigation
- Fragment Drop Mitigation
- Null Flag Mitigation
- ICMP Rate Limiting

Module 7: Global Server Load Balancing (GSLB)

- GSLB DNS Options
- Server Mode Configuration
- GSLB Policy Overview
- GSLB Configuration

Module 8: Introduction to aFlex

- Purpose of aFlex
- Modify, import and execute aFlex scripts

Module 9: Troubleshooting Monitoring

- ACOS Troubleshooting tools
- Session-related commands
- Packet capture