

System Administration 6

OEM: A10 Networks • Code: SYSTEM_ADMINISTRATION_6

COURSE DESCRIPTION

The System Administration course is the recommended pre-requisite for all courses. Focusing on the control plane, it provides the necessary foundation for teams continuing onto ACOS application courses.

AUDIENCE PROFILE

- Network Operations
- Development Operations
- Network Security
- Students preparing for Application Courses

PREREQUISITES

- OSI reference model
- Network topology and administration
- An industry standard switching and routing CLI

COURSE OBJECTIVES

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

- Layer 2 – 3 environment including VLANs, and IP routing
- Device cluster environment with a single management point
- High availability with multiple active devices
- Multi-tenant environment with limited-scope administration
- Remote authentication and authorization

COURSE OUTLINE

Module 1: Initial ACOS Configuration

- Base system configuration through the CLI and GUI
- Backup and restore

- System upgrade
- Configuration profiles

Module 2: Centralized Configuration Management: aVCS

- Clustering devices into a centralized chassis
- aVCS topology: vMaster and vBlade devices
- vMaster election and maintenance

Module 3: High Availability: VRRP-A

- Active-Standby mode and failover
- N+M deployments
- Active device selection

Module 4: Application Delivery Partitions (ADP)

- Layer 3 Virtualization Partitions (L3V)
- Shared and private partitions
- Public and private objects

Module 5: Role-based Administration

- Admin account creation through the CLI and GUI
- Assigning privileges, passwords, and access rights
- Roles: predefined and user-defined
- Session management

Module 6: Authentication, Authorization, and Accounting

- Using AAA servers to manage device and command access
- Account and command tracking

Module 7: Control Plane Logging

- ACOS logging
- External logging and emailing events
- Events and thresholds

Module 8: SNMP

- Monitoring ACOS devices remotely
- A10 MIBs
- Configuring Traps
- OID discovery

Module 9: aXAPI Overview

- aXAPI architecture and session flow
- API methods