

A10 Defend 6 with aGalaxy 5

OEM: A10 Networks • Code: A10_DEFEND_6_WITH_AGALAXY_5

COURSE DESCRIPTION

Instructs Network Operations, Development Operations, Network Security, and Architects on implementing an effective threat protection system for A10 ACOS deployments in data center environment.

AUDIENCE PROFILE

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

PREREQUISITES

- OSI reference model
- Network topology and administration

COURSE OBJECTIVES

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

- Deploy A10 Defend in different topologies
- Use aGalaxy to orchestrate A10 Defend devices
- Monitor traffic and detect attacks
- Configure and apply mitigation strategies against the following DDoS attacks:
 - volumetric
 - protocol
 - reflection
 - resource
- Configure a Zero-day Attack Pattern Recognition (ZAPR) solution
- Generate reports
- Examine network traffic at the packet level

Module 1: Module: Overview

- Types of DDoS Attacks
- Mitigation Strategies

Module 2: Configuration

- Components of A10 Threat Protection System
- Deployment Topologies

Module 3: Attack Detection

- Zones
- Monitoring Traffic
- Zone Escalation Process
- Zone Operational Modes
- Traffic Baseline

Module 4: Attack Mitigation

- Incident Creation
- Incident Mitigation

Module 5: Traffic Rate Limiting

- GLIDs
- Zone-Templates
- Zone Level Based Mitigation

Module 6: Layer 3/4 Security

- TCP Security Measures
- UDP Security Measures
- ICMP Security Measures

Module 7: Layer 7 Security

- DNS Security Measures
- HTTP Security Measures
- SSL Security Measures

Module 8: Zone Profiles

- Zone Service Protection Profiles

- Zone Configuration Profiles
- Zone Escalation Process
- Indicators and Thresholds

Module 9: ZAPR

- Configuring ZAPR

Module 10: Asymmetric Reactive Deployment

- A10 Defend Detector
- Detection 3.0 Features

Module 11: Threat Control

- Attack Map
- IP Block List
- Reports

Module 12: Reporting and Troubleshooting

- Reports
- Packet Capture
- Packet Debugger