radware

Course Code: 500-201

Alteon Level 2

Training Course Outline

Version 33.0

1 Introduction

Applications have become the cornerstone of most businesses, with a variety of deployment options. Ensuring application performance and security requires an application delivery solution that optimizes and protects applications regardless of the environment in which they are deployed. Alteon is an application delivery and security solution that manages application traffic across cloud and data center locations, optimizing availability and performance.

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2 Purpose and Scope

This course, **Alteon Level 2**, is a structured 4-day certification training.

It consists of a *practical* and a *theoretical* part.

In this course we focus on the advanced features used in many different load balancing deployments.

The course begins with a review of the fundamentals learned in the Alteon Level 1 training. We explain how to set up the security functions Web-Application-Firewall load balancing, SSL Traffic Inspection. The various options for HTTP/HTTPS load balancing are also an important topic.

This training focuses on high-availability SLB. We briefly review HA and discuss Global SLB and Virtual Router Redundancy Protocol SLB in detail. In addition to standard SLB, Alteon also offers Transparent-LB. We also teach this and Alteon's Analytics monitoring. Our final topic is automation. We explain the different options, Ansible, vRealize and Global-Elastic-License to automate Alteon operations.

3 Target Audience and Prerequisites

Alteon Level 1 certification is a prerequisite for this training.

This course is intended for technicians with a solid knowledge of the network and the Alteon standard SLB. Delegates should work with the Alteon for more than a year.

Additionally, knowing how applications and network protocols are working (like TCP, HTTP, HTTPS) is a key asset for setting up content load balancing and writing load balancing scripts.

The features and functions of Radware devices discussed in this document are based on the following firmware version.

Product	Version
Alteon	33.x
APSolute Vision	5.x

4 Objectives

- Understand Alteon's main capabilities and how they work
- Understand Alteon's security capabilities
- Understand Alteon's advanced features and how they work
- Install and deploy an Alteon high availability
- Understand how to monitor Alteon's various features
- Perform Alteon operation automation

5 Alteon Presentations and Hands on Labs

5.1 Day 1

Presentations:

- SLB review
- SSL review
- Persistency review
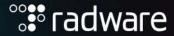- Lab setup Advances SLB
- Integrated WAF

Hands on Labs:

Administration and Initial Configuration:
– Initial Alteon Setup
– Setting Up AppWall (CLI)
– Setting Up AppWall (Web GUI)

5.2 Day 2

Presentations:

- Web Acceleration
- HTTP/2+3 Gateway
- Vision Traffic Events & Monitor
- Global SLB

Hands on Labs:

HTTP2
– Configure HTTP2

Vision
– Vision Traffic Events

GSLB
– Configuring GSLB

5.3 Day 3

Presentations:
- HA review
- VRRP Redundancy
- Transparent Load Balancing

Hands on Labs:

VRRP
– Setup redundant configuration

Transparent Load Balancing
– Configure Transparent LB

5.4 Day 4

Presentations:
- SSL Inspection
- Adv Management, Automation, Scripting
- Global Elastic License (GEL)

Hands on Labs:

SSL Inspection:
– Configure SSL Outbound

Automation
– Alteon Ansible Automation

GEL
– GEL Setup

6 Certification

This course is the certification course to get recognized as:
Radware Certified Alteon Expert (RCAE)

To be certified, students must be RCAS and pass a theoretical exam.
The exam is available from any location, only internet access is required.
The first attempt is included free of charge as part of the Alteon Level 2 course.
Additional attempts require a fee.

The minimum passing grade is 75%.

6.1 Online Certification Exam
The online exam consists of Multiple-Choice-Questions based on the content presented in the theoretical part and test student's understanding of the solution.

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