

Introduction

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Course Details

Target

This course is targeted for ;

- Computer Network administrators
- Network or security engineers
- IT Technicians
- Basically, people that like to have knowledge on traffic load balancing and management

Requirements

- Basic knowledge on tcp/ip and ethernet networks
- Basic understanding of http protocol
- Basic knowledge about linux web servers like apache or nginx

Achievements

After you complete this training

You will be able to;

- Setup and install a10 devices
- Do administration tasks
- Create basic load-balancing solutions
- Secure connections
- Automate repetitive tasks using ansible or python
- Troubleshoot and monitor a10 devices using command line and observium.

Structure

It is as basic as it can be, i am going to explain a detail or a feature and you will do it on your lab and after you complete the lab, i will ask 5 to 8 questions about things i told and you'll measure your understanding about that section.

How are we going to learn

Basics

As far as i know, the best way to learn is by doing. And i mean by doing is to do every configuration one by one. I am going to supply all the configurations using a public github repo but i must say again best way to learn ACOS is to do the configuration by typing just like coding.

The playground

we are going to use gns3 to create our playground and configuration testing There will be a section about how to construct the lab so we can easiliy test our configurations

In this training you will be supplied two files,

1. A gns3 lab file that has all the required setup to be able to finish this course
2. A list of to-do's before you must do to work with this training like downloading some files and uploading them to gns3 before we go on with the training.

Course materials

Every required is supplied through a zip file after you extract it, you can find all the needed config files or any other materials there.

About tutor

I am a, self educated, network engineer that has experince more than 20 years. I've been working at system integrators for 10 ten years and right now own one for more than 15 years.

I am not a certified trainer or anything else.

About Acos and A10networks

A10 networks

A10 Networks is a U.S. public company specializing in the manufacturing of application delivery controllers (software and hardware). Founded in 2004 by Lee Chen, co-founder of Foundry Networks, A10 originally serviced just the identity management market with its line of ID Series products. In early 2007, they added bandwidth management appliances (EX Series). The company had its initial public offering on March 21, 2014, raising \$187.5 million.

In May 2013, A10 launched its A10 Thunder Series platforms of hardware and software application delivery controllers (ADCs)

A10 Networks released the Harmony design of the Thunder Series ADC in 2015.

Also in 2015, A10 Networks upgraded the Advanced Core Operating System (ACOS). The update allowed 100 percent of software capabilities to be addressed by APIs, whereas the previous ACOS could only address 40 percent through APIs.

In 2016, A10 acquired the cloud-native ADC company Appcito.

Acos

Acos is an 64 bit operating system that has powerfull features like

- multitenancy,
- form free (bare-metal, virtual, physical)
- flex licensed

that can do;

- application delivery
- Transparent ssl decryption and re-encryption
- Authorization and authentication
- Firewalling

<https://www.a10networks.com/solutions/advanced-core-operating-system/>

Product line up

Features