Orchestrating Data Center Networks with Aruba Fabric Composer (AR-OAFC)

Course Description

Aruba Fabric Composer allows a network administrator to orchestrate data center fabrics using a guided, step-by-step approach. Aruba Fabric Composer applies best practice configurations and ensures a fast and error-free deployment. This course will help a student understand and use Aruba Fabric Composer in a datacenter environment.

Course Duration:

3 days

Prerequisites

Aruba highly recommends learners have a networking knowledge equivalent to the Aruba Certified Switching Professional (ACSP) certification.

Additionally, knowledge of VXLAN and MP-BGP technologies and configuration are recommended.

Objectives

After you successfully complete this course, expect to be able to:
- Describe Aruba Fabric Composer features and functions
- Install, operate and manage Aruba Fabric Composer
- Manage Switches with Aruba Fabric Composer
- Create AOS-CX VSX pairs and VSF stacks
- Create a layer 2 data center fabric
- Create a layer 3 / leaf-spine fabric with a VXLAN overlay and an EVPN control plane
- Integrate with Aruba NetEdit, HPE Servers using ILO Amplifier, and VMware vSphere

Course Outline

- **Aruba Fabric Composer Introduction**
  - Data Center Network introduction
  - Data Center design
  - Aruba Fabric Composer (AFC) fabrics
  - AFC integration with multiple platforms
- **Installing Aruba Fabric Composer**
  - Install options
  - Hardware requirements
  - AFC install using OVA
  - AFC install using ISO
  - Licenses

- **Operation and Administration**

- o Graphical user interface
- o User creation
- o LDAP integration
- o Logs and troubleshooting
- **Switch Management**
  - o Discovery
  - o Configuration
  - o Management
  - o Monitoring
  - o Upgrades
- **AOS-CX Virtualization and Stacking**
  - o Virtualization technologies
  - o VSX
  - o VSF
- **Leaf-Spine Introduction**
  - o L2 Leaf-Spine
  - o L3 Leaf-Spine
- **EVPN**
  - o Underlay and overlay concepts
  - o Configure a data fabric with EVPN overlay
- **Integration with HPE Aruba**
  - o Integrating AFC with HPE products
  - o Key advantages of watch integration
- **VMware Integration**
  - o Integration with VMware products and solutions
  - o AFC integration benefits to VMware vSphere, SDDC and NSX-T
- **Nutanix Prism Integration**
  - o Integrate AFC and Nutanix Prism and its benefits
- **Rest AP**I
  - o Rest API operations and methods
  - o AFC API Explorer
  - o External resources for AFC automation

Who Should Attend

Network engineers with 2-3 years of experience that need to design, manage and troubleshoot data center networks.