Training: Aruba

Orchestrating Data Center Networks with HPE Aruba Networking Fabric Composer

TRAINING GOALS:

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.

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

Target Audience

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

CONSPECT:

- 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

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- AFC install using OVA
- AFC install using ISO
- Licenses

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

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REQUIREMENTS:

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.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Aruba Networks.

TRAINER:

Aruba Networks Certified Trainer

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