Netlogic
Training Center

**Course Training**

**Aruba Certified Professional Switching [ACP-S]**

**Course Content**

Aruba Certified Switching Professional (ACSP) - Implementing ArubaOS-CX Switching course is an in-depth training program designed for network professionals who want to enhance their skills in Aruba switching technologies. This course covers a wide range of topics, starting from the fundamentals of Aruba switches, Architectures, and Network analytics, to advanced features like VSX, ACLs, OSPF, and BGP. It also includes modules on Dynamic segmentation, quality of service (QoS), and various Routing technologies, ensuring that learners are equipped with the knowledge to manage and optimize Aruba networks effectively. By obtaining the ACSP certification, professionals validate their expertise in ArubaOS-CX switching solutions, which can lead to better job opportunities and recognition in the industry. The ACSP certification cost is an investment in one's career, reflecting a commitment to maintaining high standards of technical proficiency in the rapidly evolving field of network switching.

**Course Objectives**

After taking this course, you should be able to:

- Understand Aruba Switching: Gain a comprehensive overview of Aruba switches and their architectures.
- Master NetEdit: Learn to use NetEdit for centralized configuration management and understand switch groups and templates.
- Utilize Network Analytics Engine (NAE): Configure and deploy NAE for enhanced network monitoring and troubleshooting.
- Implement VSX: Understand VSX technology for high availability and redundancy, and learn to configure VSX-specific components.
- Configure Access Control Lists (ACLs): Acquire the ability to set up various types of ACLs and understand their application in network security.
- Advanced OSPF: Deepen knowledge of OSPF, including multi-area setups, area types, and OSPF tuning for optimized performance.
- BGP Configuration and Optimization: Learn BGP essentials, path selection, and how to prevent becoming a transit autonomous system.
- Deploy 802.1X Authentication: Implement port and user-based authentication, dynamically configuring network access and policies.
- Dynamic Segmentation: Leverage dynamic segmentation for secure, role-based network access and configure tunneled-node on AOS-CX switches.
- Quality of Service (QoS): Understand and apply QoS policies, including queue configuration and rate limiters, to prioritize network traffic effectively.

**Course Prerequisite**

- Basic understanding of networking concepts, including OSI or TCP/IP stack models.
- Familiarity with Ethernet and TCP/IP networking.
- Foundational knowledge of VLANs and IP subnets.

- Experience with network switching concepts and operations.
- Familiarity with the command-line interface (CLI) of network devices.
- Understanding of basic router operations, including routing tables and static and dynamic routing.
- Prior experience with network design or operation is helpful but not mandatory.

**Who should attend**

- Network Engineers
- Systems Administrators
- Network Administrators
- IT Infrastructure Specialists
- Network Architects
- Technical Support Personnel
- Network Operations Center (NOC) Staff
- IT Professionals seeking Aruba Certification
- Network Designers
- Security Engineers with a focus on network access control and segmentation
- Professionals working with advanced network routing and switching technologies
- IT Consultants specializing in Aruba networking solutions
- Technical Education Professionals

**Course Outline**

- Topics covered include:
- Introduction to Aruba Switching
- NetEdit
- Network Analytics Engine (NAE)
- VSX
- ACLs
- Advanced OSPF
- BGP
- IGMP
- Multicast Routing: PIM
- 802.1X Authentication

- MAC Authentication
- Dynamic Segmentation
- Quality of Service
- Additional Routing Technologies
- Captive Portal Authentication