Designing HPE Aruba Networking Data Center Solutions, (AR-DDCS2)

Course Description

This course provides aspiring professional-level architects with the skills needed to design an HPE Aruba Networking Data Center switching solution and support the implementation team in executing the design.

Architects are IT professionals proficient in interpreting technical requirements to create secure, scalable, resilient, and highperforming infrastructures aligned with validated solution guides and business needs. They analyze complex requirements to design optimal solutions, demonstrate how these solutions meet both technical and business goals, and defend the proposed solutions.

Architects possess extensive technical knowledge of HPE Aruba products and solutions, including migration and deployment strategies for existing architectures. They understand the impact of third-party hardware and software interoperability on solution design and can articulate the business value of HPE Aruba Networking solutions to various stakeholders. With experience in building solutions and optimizing workloads, architects play a key role in designing and implementing infrastructure tailored to organizational objectives.

Course Duration:

3 days

Prerequisites:

It is strongly recommended that the candidate already: Hold the HPE Aruba Networking Professional - Switching or has taken Implementing AOS-CX Switching, Rev. 24.31 or has experience deploying HPE Aruba Networking solutions in an enterprise environment.

Objectives:

After you successfully complete this course, expect to be able to:

- Interpret technical requirements
- Articulate the business value to multiple stakeholders
- Proficient in designing solutions that are secure, redundant, scalable and resilient
- Use your knowledge of the appropriate validated solution guide to meet the customer's business needs

Course Outline:

- **Gathering Information for the Data Center Network Design**
  - **Identify stakeholders and sponsors**
  - **Understand the objectives**
  - **Identify initial environment**
  - **Collect information**
- **Designing the Solution at High-level**
  - **Create preliminary solution**
  - **Select the correct products**
  - **Determine network segments and protocols for the design**

- Design security for the network
- Validate that the design meets the original requirements

- Architect a Two-Tier Solution
- Propose and Implement a Two-Tier Solution
- Design an L3 Spine and Leaf Topology
- Design a Data Center Network for Virtualized Overlay
- Design EVPN VXLAN
- Designing Micro-Segmentation
- Designing Lossless Networks

Who Should Attend

The ideal candidate for this certification is a senior technical professional. Examples of appropriate experience may include: principal engineer, network consultant, presales consultant, solutions architect, networking SME, network security architect, or technical member from architecture teams.