Implementing Aruba Campus Switching Solutions, Rev. 17.41

Description du cours

Cette formation enseigne la mise en œuvre et l'opération des solutions de commutation Aruba campus

ID

01095999

Durée

5 jours

Niveau de Compétences

Intermédiaire

Langues du cours

Français

Langues du support

English

Instructeur

Certifié

Certifications liées

Aruba Certified Switching   Professional (ACSP) V1

Aruba Certified Switching   Professional (ACSP) V1- upgrade from HP ASE - FlexNetwork
Architect V2 or   HP ASE - FlexNetwork Integrator V1

[Aruba Certified Switching Professional (ACSP) V1- upgrade from Cisco, Juniper or Brocade](#)

Eléments inclus dans les examens des certifications

[HPE6-A46: Delta - Implementing Aruba Campus Switching Solutions](#)

[HPE6-A45: Implementing Aruba Campus Switching Solutions](#)

Divers

Salle équipée

Déjeuner inclus

Contenu

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Describe market trends that are leading companies to implement a digital workplace

Describe how the Mobile   First Network from Aruba, a Hewlett Packard Enterprise company, delivers th

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Deploy ArubaOS products in   single-area and multi-area OSPF systems

Use area definitions and   summaries to create efficient and scalable multiple area designs

Advertise routes to external   networks in a variety of OSPF environments

Promote fast, effective   convergence during a variety of failover situations

Use virtual links as   required to establish non-direct connections to the backbone

Implement OSFP authentication

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Ensure redundancy for a   network's default gateway by configuring VRRP on Aruba switches

Establish load-balancing of   active routing in several different ways

Use best practices for   implementing VRRP with MSTP

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Implement 802.1X on ArubaOS   switch ports

Integrate ArubaOS switches   with an Aruba ClearPass solution, which might apply dynamic VLAN assig

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Set up RADIUS authentication   and authorization for managers

Describe the differences   between SNMPv2c and v3 and configure SNMPv3 settings on ArubaOS switc

Explain how technologies   such as RMON, sFlow, and traffic mirroring allow you to monitor network   tra

Explain best practices for   managing configurations and monitoring network traffic using a solution such

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Configure captive portal   authentication on ArubaOS switches to integrate them with an Aruba ClearPas

Implement Web Authentication   (Web-Auth) on Aruba switch ports

Combine multiple forms of   authentication on a switch port that supports one or more simultaneous use

Use the Unauthenticated VLAN   on ArubaOS switches to provide guest access

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Compare RPVST+ with RSTP and   MSTP

Implement spanning tree   protocol and loop protections

Describe how Unidirectional   Link Detection (UDLD) and Device Link Detection Protocol (DLDP) detect

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Describe the three   topologies supported with backplane stacking and the roles members play in   the s

Explain how backplane   stacking handles stack fragments

Implement and manage an VSF   fabric

Describe what a split VSF   stack is and configure the mechanisms designed to detect and remedy this

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Use Internet Group   Management Protocol (IGMP) to optimize forwarding of multicasts within VLANs

Describe the differences   between IGMP and IGMP snooping

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Distinguish between PIM-DM   and PIM-SM

Implement PIM-DM to route   multicast traffic

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Establish and monitor BGP   sessions between your routers and ISP routers

Advertise an IP block to   multiple ISP routers

Configure a BGP router to   advertise a default route in OSPF

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Configure tunneled-node on   ArubaOS switches

Describe when and how to configure   PAPI enhanced security, high availability, and fallback switching f

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Define ACLs and identify the   criteria by which ACLs select traffic

Configure ACLs on ArubaOS   switches to select given traffic

Apply static ACLs to   interfaces to meet the needs of a particular scenario

Examine an ACL configuration   and determine the action taken on specific packets

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Implement RADIUS-based MAC   Authentication (MAC-Auth) on ArubaOS switch ports

Implement local MAC   Authentication (LMA) on ArubaOS switch ports

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Describe how ArubaOS   switches prioritize traffic based on its queue

Configure ArubaOS switches   to honor the appropriate QoS marks applied by other devices

Configure ArubaOS switches   to select traffic, apply the appropriate QoS marking, and place the traffic

Implement rate limiting

Configure a voice VLAN and   LLDP-MED

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Implement DHCP snooping and   ARP protection to defend networks against DHCP exploits, ARP snoop

Implement the proper port   security measures for various use cases

Explain how MAC lockdown   differs from port security and use the proper solution for each use case

Implement connection rate   filtering to provide a first layer of protection against viruses and worms

Objectifs

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Merci de nous contacter pour plus d'informations : training@infodium-dz.com