

Implementing Aruba Network Security, Rev. 22.21

Module 1: Aruba Security Strategy & ClearPass Fundamentals

- Explain Aruba Zero Trust Security
- Explain how Aruba solutions apply to different security vectors

Module 2: Deploy Trusted Certificates to Aruba Solutions

- Describe PKI dependencies
- Set up appropriate certificates & trusted root CAs on CPPM

Module 3: Implement Certificate-Based 802.1x

- Deploy AAA for WLANs with ClearPass Policy Manager (CPPM)
- Deploy certificate-based authentication for users and devices

Module 4: Implement Advanced Policies on the Role-Based ArubaOS Firewall

- Deploy AAA for WLANs with ClearPass Policy Manager (CPPM)
- Define and apply advanced firewall policies

Module 5: Evaluate Endpoint Posture

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Module 6: Implement 802.1X and Role-Based Access Control on AOS-CX

- Deploy AAA for wired devices using ClearPass Policy Manager (CPPM), including local and downloadable roles
- Explain Dynamic Segmentation, including its benefits and use cases
- Deploy Dynamic Segmentation using VLAN steering
- Configure 802.1X authentication for Apps

Module 7: Monitor with Network Analytics Engine (NAE)

- Deploy and use Network Analytics Engine (NAE) agents for monitoring

Module 8: Implement WIDS/WIPS

- Explain the Aruba WIPS and WIDS technology
- Configure AP rogue detection and mitigation

Module 9: Use CPPM and Third-Party Integration to Mitigate Threats

- Describe log types and levels and use the CPPM Ingress Event Engine to integrate with third-party logging solutions
- Set up integration between the Aruba infrastructure and CPPM, allowing CPPM

Module 10: Implement Device Profiling with CPPM

- Explain the benefits and methods of endpoint classification on CPPM, including active and passive methods
- Deploy and apply endpoint classification to devices
- Analyze endpoint classification data on CPPM to identify risks

Module 11: Deploy ClearPass Device Insight Define and deploy

- ClearPass Device Insight (CPDI)
- Analyze endpoint classification data on CPDI

Module 12: Integrate CPDI with CPPM

- Integrate ClearPass Policy Manager (CPPM) and ClearPass Device Insight (CPDI)
- Mitigate threats by using CPDI to identify traffic flows and apply tags and CPPM to take actions based on tags

Module 13: Establish a Secure Remote Access

- Explain VPN concepts
- Understand that Aruba SD-WAN solutions automate VPN deployment for the WAN
- Describe the Aruba 9x00 Series Gateways
- Design and deploy remote VPNs using Aruba VIA

Module 14: Configure Aruba Gateway IDS/IPS

- Describe the Aruba 9x00 Series Gateways
- Define and apply UTM policies