



# Online Course

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## Course Modules



### 1. Security Threats and Aruba Security Strategy

- o Threats Overview
- o Attack Stages
- o Aruba Security Strategy

### 2. Security Technologies

- o Regulatory Compliance
- o Secure Communications: Symmetric Encryption & Hash-Based Authentication
- o Secure Communications: Asymmetric Encryption
- o Secure Communications: TLS
- o Authentication, Authorization, Accounting (AAA)

### 3. Harden Aruba Switches

- o Hardening Overview
- o Set Up Out-of-Band Management
- o Authenticate Managers Securely
- o Ensure Physical Security and Other Hardening Actions

## Course Modules



### **4.Harden ArubaOS Wireless Devices**

- o Lock Down Administrative Access
- o Lock Down Services
- o Use CPSec

### **5.Enhance LAN Security**

- o Spanning Tree Protections
- o DHCP Snooping and ARP Protection
- o Secure Routing Technologies

### **6.Network Authentication Technologies**

- o Network Authentication
- o WLAN Security–Encryption + Authentication

### **7.Enforce Edge Security with an Aruba Infrastructure**

- o Enforce WPA3-Enterprise
- o Enforce 802.1X on the Wired Network



## 8.Enforce Role-Based Authentication and Access Control

- o Aruba Role-Based Firewall Policies
- o Dynamic Segmentation



## 9.Identify and Classify Endpoints

- o Endpoint Classification Introduction
- o DHCP Fingerprinting with ArubaOS Mobility Devices
- o Aruba ClearPass Policy Manager Device Profiler
- o ClearPass Device Insight

## 10. Branch Security

- o Introduction to Aruba SD-Branch Solutions

## 11. Implement Threat Detection and Forensics

- o Understand Forensics
- o Analyze ArubaOS WIP Events

## 12. Troubleshoot and Monitor

- o Introduction to Troubleshooting Authentication Issues
- o Using ClearPass Tools to Troubleshoot Some Common Issues
- o Packet Captures
- o Monitoring



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The efficiency of online learning  
in terms of time management,  
flexibility, and the ability  
to access resources anytime,  
anywhere can be compelling.



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