



Online Course

Course Modules



1. Networking Fundamentals

- o Define networking, LAN, WAN and their components
- o Explain OSI model & encapsulation
- o Discuss different types of physical media
- o Compare unicast, multicast, and broadcast
- o Explain TCP/IP stack
- o Discuss different types of networking devices

2. Switching Fundamentals

- o Explain how to connect to and access a switch
- o Describe initial switch setup
- o Describe how to & configure VLANs, tagging, & IP addressing
- o How to use LLDP & ICMP for network discovery & diagnosis
- o How to config link aggregation to imprv performnce/resiliency

3. Basic IP Setup

- o Discuss Inter-VLAN routing
- o Explain DHCP relay
- o Discuss static IP routing
- o Explain how to configure single-area OSPF

Campus Access Fundamentals



4. Network Redundancy

- o Discuss Spanning Tree
- o Explain VRRP and VSX

5. VSF

- o Describe VSF
- o Explain how to configure VSF
- o Describe Auto-VSF
- o Explain VSF MAD

6. Introduction to HPE Aruba Networking Solutions

- o Discuss ESP
- o Introduce HPE Aruba Networking switching products
- o Introduce HPE Aruba Networking WLAN portfolio
- o Introduce HPE Aruba Networking Central
- o Introduce HPE Aruba Networking ClearPass

7. Central for Device Management

- o Explain how to perform device onboarding
- o Describe how to create HPE Aruba Networking Central Grps
- o Describe UI config mode
- o Describe template config mode
- o Describe HPE Aruba Networking Central licensing



Campus Access Fundamentals



8. Device Profiling and AP onboarding

- o Describe the use of device profiling
- o Describe LLDP and MAC profiling
- o Explain how to connect APs to HPE Aruba Networking Central
- o Explain how to perform initial AP setup

9. WLAN Fundamentals

- o Describe the fundamentals of 802.11, RF frequencies & channels
- o Explain RF Patterns and coverage including SNR
- o Roaming standards and QOS requirements
- o Describe aspects of RF design
- o Explain how to configure WLANs

10. Implementing Secure WLANs

- o Explain AAA
- o Describe 802.1X authentication
- o Explain how to configure secure WLANs
- o Discuss roles and access rules

11. Guest Access

- o Describe guest access
- o Explain how to set up captive portal authentication
- o Describe how to configure guest WLANs



Campus Access Fundamentals

For Enquiry: +91 8680961847



12.WLAN Security

- o Describe WLAN security
- o Explain certificates
- o Describe cloud authentication

13.Monitoring and Maintenance

- o The use HPE Aruba Networkg Central monitorg capabilities
- o Describe how to identify LED status
- o Explain how to perform firmware upgrades
- o Describe how to enable SNMP on devices
- o Describe AI Insights
- o Describe Alerts & Reports
- o Explain UXI

14.Troubleshooting

- o Describe how to perform password recovery & factory reset
- o Explain HPE Aruba Networking Central connectivity tshooting
- o Describe how to enable spectrum analysis
- o Explore HPE Aruba Networking Central troubleshooting tools

Free Advice: +91 9600579474

www.zetlantech.com



**LEARN
REMOTELY!!**

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



ZETLAN TECHNOLOGIES
www.zetlantech.com

**For contact: +91 8680961847
+91 9600579474**

