

HCIA-WLAN



Online Course

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Course Modules

1.WLAN Overview

- Enterprise WLAN Overview
- Challenges Faced by Enterprise WLAN
- Next-Generation Enterprise WLAN Solution

2.WLAN Basics

- Basic Concepts of Wireless Communication
- Introduction to 802.11 Standards
- Key WLAN Technologies

3.WLAN Fundamentals

- CAPWAP Tunnel
- Key 802.11 Frames
- STA Going-Online Process
- WLAN Roaming

4.Wi-Fi 6 Technologies and Products

- Wi-Fi 6 Technologies
- Huawei WLAN Product Family
- Features of Huawei WLAN Products
- AP Power Supply



5.WLAN Networking Models

- Basic Concepts in WLAN
- WLAN Networking Architectures
- Typical WLAN Networking Solutions

6.Huawei VRP and Device Upgrade

- Huawei VRP Overview
- Command Line Basics
- WLAN Device Upgrade
- Fat AP Configuration

7.WLAN Security

- WLAN Security Threats and Defense
- WLAN Access Security
- WLAN Data Security
- WLAN Network Access Control
- WLAN Security Configuration

8.WLAN Service Configuration

- WLAN Service Configuration Procedure
- WLAN Configuration Application



9.WLAN Troubleshooting Basics

- Overview of WLAN Troubleshooting
- Troubleshooting APs' Failures to Go Online
- Troubleshooting STAs' Failures to Go Online
- Troubleshooting AP Signal Issues
- Troubleshooting Slow Internet Access of STAs

10. WLAN Antenna Technology

- Antenna Overview
- Concepts Related to Antennas
- Antenna Selection
- Traditional Indoor Distribution System

11. Overview of Common WLAN Deployment

- Introduction to WLAN Planning and Design
- WLAN Planning and Design Details
- WLAN Project Acceptance
- WLAN Planning Cases



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in terms of time management,
flexibility, and the ability
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www.zetlantech.com

For contact: +91 8680961847
+91 9600579474

