

Training Content

Module 1 WLAN Technology Basics

1. WLAN Overview
 - (1). Enterprise WLAN Overview
 - (2). Challenges Faced by Enterprise WLAN
 - (3). Next-Generation Enterprise WLAN Solution
2. WLAN Basics
 - (1). Basic Concepts of Wireless Communication
 - (2). Introduction to 802.11 Standards
 - (3). Key WLAN Technologies
3. WLAN Networking Models
 - (1). Basic Concepts in WLAN
 - (2). WLAN Networking Architectures
 - (3). Typical WLAN Networking Solutions
4. WLAN Fundamentals
 - (1). CAPWAP Tunnel
 - (2). Key 802.11 Frames
 - (3). STA Going-Online Process
 - (4). WLAN Roaming

5. Wi-Fi 6 Technologies and Products

(1). Wi-Fi 6 Technologies

(2). Huawei WLAN Product Family

(3). Features of Huawei WLAN Products

(4). AP Power Supply

Module 2 WLAN Security and Configuration

1. Huawei VRP and Device Upgrade

(1). Huawei VRP Overview

(2). Command Line Basics

(3). WLAN Device Upgrade

(4). Fat AP Configuration

2. WLAN Security

(1). WLAN Security Threats and Defense

(2). WLAN Access Security

(3). WLAN Data Security

(4). WLAN Network Access Control

(5). WLAN Security Configuration

3. WLAN Service Configuration

(1). WLAN Service Configuration Procedure

(2). WLAN Configuration Application

Module 3 WLAN Troubleshooting

1. WLAN Troubleshooting Basics
 - (1). Overview of WLAN Troubleshooting
 - (2). Troubleshooting APs' Failures to Go Online
 - (3). Troubleshooting STAs' Failures to Go Online
 - (4). Troubleshooting AP Signal Issues
 - (5). Troubleshooting Slow Internet Access of STAs

Module 4 WLAN Project Deployment

1. WLAN Antenna Technology
 - (1). Antenna Overview
 - (2). Concepts Related to Antennas
 - (3). Antenna Selection
 - (4). Traditional Indoor Distribution System
2. Overview of Common WLAN Deployment
 - (1). Introduction to WLAN Planning and Design
 - (2). WLAN Planning and Design Details
 - (3). WLAN Project Acceptance
 - (4). WLAN Planning Cases