

HCIP- WLAN CEWA (Constructing Enterprise WLAN Architecture)

Objectives

On completion of this program, the participants will be able to:

- (1). Become familiar with typical networking applications and features of large-sized WLANs.
- (2). Understand the CAPWAP tunnel establishment process.
- (3). Master the configuration methods of large-sized WLANs.
- (4). Understand the maintenance methods of basic WLAN services.
- (5). Master WLAN radio frequency management.
- (6). Become familiar with the WIDS/WIPS technology.

Target Audience

Those who hope to become senior WLAN engineers. Those who hope to become WLAN planning and optimization experts. Those who hope to obtain an HCIP-WLAN certificate.

Prerequisites

HCIA-WLAN certificate or similar knowledge.

Training Content

HCIP-WLAN-CEWA Constructing Enterprise WLAN Architecture

1. WLAN WIDS Introduction(Optional) WLAN WIDS Introduction Wireless Intrusion Detection and Prevention Attack Detection WIDS Configuration Typical Application Scenarios
- 2..Connecting Agile Controller with Servers Deploy Agile Controller in Large-sized network Directory server Agile Controllers connects with external authentication source Application in Wireless Authentication
- 3.Mesh Principle and Configuration Mesh Overview Mesh Concept Mesh Architecture Establish Mesh Network Applicable Scenarios of Mesh Configure Mesh Network
- 4.Large-sized WLANs Introduction Typical WLAN Application of Large-sized Campus Network Configuring APs to Go Online VLAN Pool Introduction Large-sized WLAN Introduction Maintain WLAN Basic
- 5.WLAN Radio Resource Management WLAN Radio Resource Management Introduction Radio Calibration AP-based Load Balancing Band Steering User CAC Smooth Channel Switching Per Packet Power Adjustment
- 6.WLAN Roaming-Inter AC Roaming Introduction to WLAN Roaming Distinguish between Different Roaming Inter AC Roaming Applicable Scenarios of WLAN Roaming Configure Layer 3 Roaming
- 7.WLAN Reliability Introduction—Dual-Link Backup WLAN Reliability Overview WLAN Dual-Link Backup Introduction N+1 Backup Introduction

- 8. Deploy Huawei Outdoor AP Applicable Scenarios of Deploying Outdoor AP WLAN Outdoor Coverage Fresnel zone
- 9. Huawei Outdoor AP and Antenna(Optional) Huawei Outdoor AP Introduction Huawei Antenna Antenna Selection
- 10. Deploy WLAN Secure Connectivity Services WLAN Access Authentication Agile Controller Introduction Agile Controller Typical Configuration
- 11. WLAN Reliability Introduction—Hot-Standby Backup Hot-Standby Backup Introduction Hot-Standby Backup Principle Applicable Scenarios of Hot-Standby Backup Configure Hot-Standby Backup
- 12. WLAN Roaming- Smart Roaming Smart Roaming Overview Applicable Scenarios of Smart Roaming Process of Smart Roaming Configure Smart Roaming