

# HCIP-Datacom-SD-WAN Planning and Deployment



## Online Course

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# HCIP-Datacom-SD-WAN Planning and Deployment

## Course Modules

### 1.Huawei SD-WAN Solution Technical Overview

- Architecture and Components of Huawei SD-WAN Solution
- Huawei iMaster NCE-WAN Controller
- Huawei SD-WAN Solution Principles
- Introduction to Huawei SD-WAN CPE

### 2.SD-WAN Deployment

- SD-WAN Deployment Overview
- SD-WAN Tenant Management
- SD-WAN Zero Touch Provisioning

### 3.SD-WAN Networking Principles and Planning

- Basic Concepts of SD-WAN Networking
- SD-WAN Networking Principles
- SD-WAN Networking Design

### 4.SD-WAN Application Experience

- Application Experience Solution Overview
- Application identification and intelligent traffic steering
- HQoS
- WAN optimization



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## 5.SD-WAN Security

- SD-WAN Security Overview
- System security
- Service security

## 6.SD-WAN Intelligent O&M

- Intelligent O&M Overview
- monitoring
- maintenance

## 7.GRE Technology

- Basic Principles of GRE
- GRE Security Mechanism
- GRE Application Scenario
- GRE Configuration

## 8.IPsec VPN Technology

- Basic Concepts of IPsec
- Basic Principles of IPsec
- IPsec Application Scenarios
- IPsec Configuration



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## 9.BGP EVPN Basics

- MP-BGP
- EVPN

## 10. Basic Principles of QoS

- QoS Technology Overview
- QoS traffic classification and marking
- Traffic Rate Limiting
- Congestion avoidance technology
- Congestion Management Technology
- Introduction to HQoS

## 11. HA technology

- Link reliability
- Network reliability
- Service reliability

## 12. Introduction to the Multi-Service Gateway

- AR Functions and Features
- AR WLAN Service Features
- AR Security Service Features



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## 13. Management and O&M

- Introduction to Zero Touch Provisioning
- Introduction to Network Maintenance
- Network O&M

## 14. SD-WAN Design Practice (Financial Scenario)

- Background of the Finance Industry
- Overall SD-WAN Design for the Finance Industry
- SD-WAN Design Cases in the Finance Industry

## 15. WAN Interconnection Overview

- Enterprise WAN Interconnection Status
- Challenges to Enterprise WAN Interconnection
- Birth of SD-WAN
- Introduction to Huawei SD-WAN Solution

## 16. WAN Interconnection Technologies and Typical Scenarios

- Traditional enterprise WAN interconnection solution
- Enterprise WAN Interconnection Technology Application
- SD-WAN Application Scenarios

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