

HW-HCIEDATC



Huawei Certified ICT Expert Datacom

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
10 Days	Expert	Datacom	ILT/MILT	Huawei Voucher

Introduction

This 10-day course covers advanced routing and switching technologies, panoramic views of enterprise network architecture, typical architecture and technologies of a campus network, planning and deployment of Huawei's CloudCampus solution, typical architecture and technologies of WAN interconnection, planning and deployment of Huawei's SD-WAN solution, typical architecture and technologies of a bearer WAN, planning and deployment of Huawei's CloudWAN solution, network automation technologies and practice.

Audience Profile

For individuals who want to become a datacom network expert and for those preparing for their HCIE-Datacom certification.

Prerequisites

It is recommended that you have already successfully completed the HCIP-Datacom-Core Technology course as a minimum.

Course Objectives

After completing this course, delegates should have a demonstrated ability and knowledge across the following areas:

- Advanced Routing and switching technologies
- Campus Network Planning and Deployment
- WAN Interconnection Planning and Deployment
- Bearer WAN Planning and Deployment
- Network Automation

Course Content

Module 1: Advanced IGP Features

Module 2: Advanced BGP Features

Module 3: Network Security Technologies

Module 4: MPLS Fundamentals and Configuration

Module 5: MPLS LDP Fundamentals and Configuration

Module 6: MPLS VPN Fundamentals and Configuration

Module 7: MPLS VPN Deployment and Application

Module 8: Inter-AS MPLS L3VPN

Module 9: EVPN Fundamentals and Configuration

Module 10: IPv6 Routing

Module 11: IPv6 Transition Technologies

Module 12: QoS Fundamentals

Module 13: Network O&M

Module 14: Network Troubleshooting

Module 15: Network Migration

Module 16: Enterprise Network Introduction

Module 17: Enterprise Campus Network Overview

Module 18: VXLAN and Campus Network Virtualization

Module 19: Network Admission Control

Module 20: Free Mobility

Module 21: Large- and Medium-Sized Virtualized Campus Network Design

Module 22: Virtualized Campus Network

Module 23: Small- and Medium-Sized CloudManaged Campus Network Design

Module 24: Campusinsight Intelligent O&M

Module 25: WAN Interconnection Solution and Technologies Overview

Module 26: Key Technologies of WAN Interconnection

Module 27: SD-WAN Solution Planning and Design

**Module 28: Enterprise Bearer
WAN Solution**

**Module 29: Enterprise Bearer
WAN Architecture and Key
Technologies**

**Module 30: Segment Routing 31
SRv6 Fundamentals and
Configuration**

**Module 31: Enterprise Bearer
WAN Design**

**Module 32: IPE Key
Technologies and Evolution
Trends**

**Module 33: Network Automation
Overview**

**Module 34: SSH Fundamentals
and Practice**

**Module 35: NETCONF YANG
Principles and Practices**

**Module 36: Telemetry
Fundamentals and Practices**

**Module 37: OPS Fundamentals
and Practices**

**Module 38: RESTful
Fundamentals and Practice**

**Module 39: iMaster NCE-Campus
Open API Introduction**

**Module 40: iMaster NCE Service
Openness and Programmability**

Associated Certifications & Exam

This course will prepare delegates to take the HCIE-Datacom certification exam # H12-891 (Written) and the HCIE Datacom certification exam H12-892 (Lab).

Passing the HCIE-Datacom certification will indicate that you have a solid theoretical knowledge of multi-scenario convergence solutions for enterprise networks and are able to use Huawei Datacom products and solutions to plan, deploy, maintain, and optimize enterprise campus networks, WAN interconnection, and bearer WAN. You will be competent for the expert positions of full-scenario enterprise networks