

Huawei Certified ICT Professional-Datacom Core Technology

Course Objectives

After completing the HCIP-Datacom-Core Technology training, you will be able to:

- Understand the entire process of forwarding data packets by network devices.
- Understand the working principles and configurations of OSPF, IS-IS, and BGP.
- Deploy route control and traffic path control.
- Understand the working principles of RSTP/MSTP.
- Understand the working principles of stacking technology.
- Understand the working principle of multicast and set up a multicast network.
- Configure ICMPv6, NDP, and IPv6 addresses.
- Master Huawei firewall technologies.
- Configure basic security features for network devices.
- Master the basic configurations for network reliability.

Course Prerequisites

- It is recommended that you learn HCIA-Datacom in advance.

Audience

- Who wants to become senior Data Communication engineers.
- Who wants to obtain the HCIP-Datacom-Advanced Routing & Switching Technology Certification.

Course Outline

- IP Routing Basics
- OSPF Basics
- OSPF Route Calculation
- OSPF Special Area and Other Features
- Basic OSPF Experiments
- IS-IS Implementation and Configuration
- BGP Basics
- BGP Path Attributes and RRs
- Preferred BGP Route Selection
- Basic BGP Experiments
- Routing Policy and Route Control
- Traffic Filtering and Forwarding Path Control
- RSTP Implementation and Configuration
- MSTP Implementation and Configuration

- RSTP and MSTP Experiments
- Stack and CSS Features of Switches
- IP Multicast Basics
- IGMP Implementation and Configurations
- PIM Implementation and Configurations
- Multicast Experiment
- Introduction to IPv6
- Huawei Firewall Technology
- Introduction to VPN Technology
- Introduction to VRF

Associated Certifications

Huawei Certified ICT Professional-Datacom-Core Technology

Course Duration

5 days

For More Information Please Contact: Vnohow (Thailand) Co., Ltd.

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