Huawei Certified Datacom Professional (HCDP) V1.0

COURSE DETAILS

Course Code: **HCDP**
Current Version: **1.0**
Delivery Type: Instructor-led
Duration: 15 days
Maximum Class Size: 14
Associated Certification(s): HCDP

PREREQUISITES

- Familiar with the basic knowledge of IPv4
- Familiar with the working principle and configuration of routers
- Familiar with the principle and configuration of static route

COURSE OBJECTIVES

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

- Understand the principle of OSPF and BGP, and master the way to set up large network with OSPF and BGP based on the VRP
- Understand the principle of IGMP and PIM-SM/DM, and master the way to set up multicast network with these multicast protocols
- Understand the working principle of VLAN, GVRP, QinQ, RSTP and MSTP
- Master how to avoid loop in switching networks applied with STP, RSTP and MSTP
- Master how to provide transparent and isolate switching networks applied with VLAN, Mux, Super Vlan and QinQ
- Upgrade skills such as comprehensive planning, configuring, maintaining and troubleshooting under the environment of large network
- Know the basic knowledge of network security
- Know the principle and function of Eudemon Series Firewall Product
- Understand the models of IP QoS and Differentiated Service, the basic principle and mark of data classification, traffic regulation and shaping, congestion management and avoidance, link efficiency and so on
- Understand the basic principle of Class-based QoS

WHO SHOULD ATTEND

- High-standard Internet specialists such as business managerial and technical personnel of ICT
- Those who are going to learn and master how to operate Huawei routers with which to set up complex IP routing network

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COURSE OUTLINE

- Advanced IP Address Planning
- OSPF Routing Protocol principle and configuration
- BGP Routing Protocol principle and configuration
- Route Control
- Multicast
- Route device and case study
- VLAN technique principle and configuration
- STP Principles and Configuration
- 802.1x and DHCP
- Switch device and case
- Firewall function and configuration
- HA Principle and Configuration
- IP QoS Principle and Configuration