

HCNA-HNTD Training

Duration

- 10 working days

Content

- Module 1-Building Basic IP Networks
 - Enterprise Network Constructs
 - Ethernet Framing
 - IP Addressing
 - Internet Control Message Protocol
 - Address Resolution Protocol
 - Transport Layer Protocols
 - Data Forwarding Scenario
- Module 2-Huawei Device Navigation and Configuration
 - Expanding the Huawei Enterprise Network
 - Navigating the CLI
 - File System Navigation and Management
 - VRP Operating System Image Management
- Module 3-Supporting and Maintaining Enterprise Local Area Networks
 - Establishing a Single Switched Network
 - Spanning Tree Protocol
 - Rapid Spanning Tree Protocol
- Module 4-Establishing Internetwork Communication
 - Segmenting the IP Network
 - IP Static Routes
 - Distance Vector Routing with RIP
 - Link State Routing with OSPF
- Module 5-Implementing Network Application Services
 - DHCP Protocol Principles
 - FTP Protocol Principles
 - Telnet Protocol Principles
- Module 6-Local Enterprise Network Features and Services
 - Link Aggregation
 - VLAN Principles
 - GARP & GVRP
 - Wireless LAN Overview

- Module 7- Connecting Beyond the Enterprise Network
 - Bridging Enterprise Networks with Serial WAN Technology
 - Frame Relay Principles
 - Establishing DSL Networks with PPPoE
 - Network Address Translation
 - Establishing Enterprise Radio Access Network Solutions
- Module 8-Securing the Enterprise Network
 - Access Control Lists
 - AAA
 - Securing Data with IPSec VPN
 - Generic Route Encapsulation
- Module 9-Enterprise Network Management Solutions
 - Simple Network Management Protocol
 - eSight Network Management Solutions
- Module 10-Supporting IPv6 Networks
 - Introducing IPv6 Networks
 - IPv6 Routing Technologies
 - IPv6 Application Services – DHCPv6

Training Methods

- Lecture, Hands-on exercise