



Training: Huawei  
HCIA-HNTD Huawei Networking Technologies and Device

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	4000 USD	10 days
Traditional	CTAB Tablet	4130 USD	10 days

## LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

## TRAINING GOALS:

With HCIA certification, you demonstrate a basic understanding of small and medium-sized networks, including general network technologies, and the ability to assist the design of small and medium-sized networks, and implement the designs using Huawei routing and switching devices.

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

- Navigate and manage Huawei products through the virtual routing platform (VRP).
- Build efficient data switching environments through the management of switching products and manipulation of related (STP/RSTP) link layer protocols.
- Explain the principles of routing and configure (RIP/OSPF) routing protocols for implementation and support of effective enterprise network routing solutions.
- Establish solutions for enterprise network administration and management through application layer services including DHCP, FTP and Telnet.
- Establish a fundamental network capable of supporting basic communications.
- Enhance link layer performance through implementation of features and services including link aggregation, VLAN technologies and GVRP.
- Manage and support Wide Area Network communications over serial links for a range of technologies including HDLC, PPP, PPPoE and Frame Relay.
- Apply Network Address Translation (NAT) solutions for private networks.
- Provide effective IP security solutions using various security architectures including Access Control Lists (ACL), AAA, and IPSec with GRE support solutions.
- Describe solutions for unified enterprise network management, including SNMP and Huawei eSight NMS technology solutions.
- Establish truly business capable enterprise networks for real-world industries.

Target Audience:

- Those who wish to become a Huawei Certified Network Associate.
- For those who possess basic IT skills, but lack knowledge of IP networks.

## CONSPECT:

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

- 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
- Securing the Enterprise Network
  - Access Control Lists
  - AAA
  - Securing Data with IPSec VPN
  - Generic Route Encapsulation
- Enterprise Network Management Solutions
  - Simple Network Management Protocol
  - eSight Network Management Solutions
- Supporting IPv6 Networks
  - Introducing IPv6 Networks
  - IPv6 Routing Technologies
  - IPv6 Application Services – DHCPv6

## REQUIREMENTS:

A working knowledge of IT technologies.

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Huawei.

This course prepares you for the HCIA Huawei Certified ICT Associate - Huawei Networking Technology and Device certification (H12-211 exam). HCIA certification exams are offered worldwide through the Pearson VUE test centers. More information about Huawei certification program and available specializations you can find on the

[https://support.huawei.com/learning/NavigationAction!createNavi?navId=\\_31&lang=en](https://support.huawei.com/learning/NavigationAction!createNavi?navId=_31&lang=en)

## TRAINER:

Huawei Certified Trainer.