Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

Detalles de contacto

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HCIA - Routing & Switching (Fast-Track)

CÓDIGO:	DURACIÓN:	Precio:
HUA_HCIA-HNTD	5 días	A consultar

Description

Training and certificating engineers with small and medium-sized enterprise network deployment and O&M capabilities

Objetivos

After the class, you will be able to:
• Explain the intricacies of data transmission over IP networks, for competency in supporting, maintaining and troubleshooting IP networks
• Perform IP address planning for establishing well designed networks
• 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

Requisitos Previos

- Basic computer knowledge
- TCP/IP Knowledge
- Network Basics knoweldge

Programa

1. Basic Knowledge of TCP/IP
Introduction to this chapter
1.1 Introduction to Transmission Media
1.2 Ethernet framing
1.3 IP addressing
1.4 ICMP protocol
1.5 ARP protocol
1.6 Transport layer protocol
1.7 Data forwarding Scenario
2. Introduction to the VRP
Introduction to this chapter
2.1 VRP Foundation
2.2 Navigating the CLI
2.3 File System Navigation and Management
2.4 VRP Operating system Image management
3. Introduction to the Ethernet Switching
Introduction to this chapter
3.1 Establishing a Single Switched Network
3.2 Spanning Tree Protocol
3.3 Rapid Spanning Tree Protocol
4. Introduction to the IP Unicast Routing
Introduction to this chapter
4.1 Basic Knowledge of IP Routing
4.2 IP Static Route
4.3 Link State Routing with OSPF
5. Introduction to the basic IP Serivce
Introduction to this chapter
5.1 DHCP Protocol Principles
5.2 FTP Protocol Principles
5.3 Telnet Protocol Principles
6. Advanced switching technologies
Introduction to this chapter
6.1 Link aggregation
6.2 VLAN Principle
6.3 VLAN Routing
7. Introduction to WAN
Introduction to this chapter
7.1 Principle and Configuration of HDLC and PPP
7.2 Principle and Configuration of PPPoE
8. Introduction to Access Control
Introduction to this chapter
8.1 Network address translation
8.2 Access control list
8.3 AAA
8.4 Securing Data with IPsec VPN
8.5 Generic Routing Encapsulation
9. Introduction to Network Management
Introduction to this chapter
9.1 Simple Network Management Protocol
10. Introducing IPv6 Networks
Introduction to this chapter
10.1 Introducing IPv6 Networks
10.2 IPv6 Routing Technologies
10.3 IPv6 Application Service - DHCPv6
11. Basic knowledge of MPLS and SR
Introduction to this chapter
11.1 MPLS basic principle
11.2 Segment Routing basic principle

Examen y certificación

Target Trainees

Students who want to take the HCIA-HNTD exam

Fechas Programadas

A petición. Gracias por contactarnos.

Información Adicional

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.