Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Du kan nå oss här

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HCNP-Routing & Switching-IERS (Implementing Routing & Switching)

CODE:	LENGTH:	PRICE:
HUA_HCNP-RS-IERS	40 Hours (5 days)	kr34,500.00

Description

Programme

Content
Module 1-OSPF
RIP problems in large network
OSPF characteristics
Network types supported by OSPF
The process of establishing OSPF neighbor relationships
The concepts and functions of OSPF DR and BDR
The Router-LSA contents and functions
The Network-LSA contents and functions
The shortest path first (SPF) algorithm
The inter-area route transmission process
Prevent inter-area routing loops
Application scenarios of OSPF virtual links
Configure virtual links
The functions of AS-External-LSAs and ASBR-Summary-LSAs
Calculate OSPF external routes
How suboptimal external routes are generated
The OSPF route summarization principle
The OSPF update mechanism
The OSPF authentication mechanism
Module 2-ISIS
IS-IS principles
The differences between IS-IS and OSPF
Configure IS-IS
Module 3-BGP
Working Principle of BGP
BGP attributes and applications
BGP route summarization applications
Module 4-IP Multicast Basics
Characteristics of point-to-multipoint applications
The basic multicast architecture
The structure of multicast addresses
Module 5-IGMP
IGMP working mechanisms and configurations
The differences between different IGMP versions
The mechanism of IGMP snooping
Module 6-PIM
Multicast forwarding requirements
PIM-DM working mechanisms and configurations
PIM-SM working mechanisms and configurations
Module 7-Route Control
Control traffic reachability
Adjust network traffic paths
The problems caused by route import and solutions
Module 8-Eth-Trunk
The Eth-Trunk principle

The Eth-Trunk configuration
Module 9-Advanced Features of Switches
The application scenario and configuration of MUX VLAN
The application scenario and configuration of port isolation
The application scenario and configuration of port security
Module 10-RSTP
The working principle of RSTP
Similarities and differences between RSTP and STP
The RSTP configuration in typical application scenarios
Module 11-MSTP
Limitations of a single spanning tree
The MSTP working mechanism
Configure MSTP

Session Dates

På begäran, kontakta oss

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.