

H3C Certified Internetwork Expert for: Routing & Switching Plus



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**Online
Course**

H3C Certified Internetwork Expert for Routing & Switching Plus

Course Modules

1. Basic Knowledge of Network Planning

- Network Topology Architectural Design
- Capacity, Performance, and Convergence Ratio Planning
- Network Security Planning
- Network Management Planning

2. Basic Knowledge of Network Troubleshooting

- General Steps for Network Fault Troubleshooting
- Common Fault Diagnosis Tools
- Common Methods for Fault Troubleshooting

3. STP Planning and Troubleshooting

- STP/RSTP/MSTP Planning Principles
- STP Protocol Fault Troubleshooting

4. M-LAG Planning and Troubleshooting

- M-LAG Planning and Design Methods
- M-LAG Fault Handling Mechanism
- M-LAG Fault Investigation



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5.VXLAN Principles and Troubleshooting

- VXLAN Basic Principles
- VXLAN Data Center Interconnection
- VXLAN Viewing and Troubleshooting

6.IP Address Planning and Routing Protocol Selection

- IPv4/v6 Address Planning and Design
- Routing Protocol Selection and Loop Prevention

7. IGP Protocol Planning and Troubleshooting

- OSPF/IS-IS Protocol Planning
- OSPF/IS-IS Protocol Advanced Features
- OSPF/IS-IS Protocol Troubleshooting

8.BGP Protocol Planning and Troubleshooting

- BGP Protocol Principles and Basic Planning
- BGP Protocol Advanced Features
- Enhancing BGP Protocol Reliability
- BGP Protocol Troubleshooting

9.DHCP Planning and Troubleshooting

- DHCP Planning Design Principles
- DHCP Fault Investigation



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10.VRRP Protocol Planning and Troubleshooting

- VRRP Planning Principles
- VRRP Fault Investigation

11. QoS Planning and Troubleshooting

- QoS Planning and Design
- QoS Fault Investigation

12.GRE VPN Planning and Troubleshooting

- GRE VPN Planning and Deployment
- GRE VPN Fault Resolution

13.IPSecVPN Planning and Troubleshooting

- IPSecVPN Planning Design
- IPSecVPN Fault Resolution
- MPLS L3VPN Advanced Network Design

14.EVPN Protocol Principles and Planning

- Basic Principles of EVPN Protocol
- EVPN VXLAN Principles and Configuration
- EVPN and M-LAG Network Application



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15. SRv6 VPN Principles and Planning

- Basic Principles of SRv6 VPN
- SRv6 VPN Implementation Process
- SRv6 VPN Deployment Evolution

Expt 1: Tshootg case for large & medium-sized networks

- Common network fault points
- Preparation before troubleshooting
- Troubleshooting process
- Troubleshooting summary

Experiment 2: High-reliability network planning & deployment

- Topology and IP planning
- Reliability configuration planning and deployment
- Routing protocol planning and deployment
- Network business planning and deployment
- Route redistribution, route selection, filtering planning & dplymt
- Viewing and verification



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Experiment 3: MPLS VPN planning and deployment

- Topology and IP planning
- Reliability configuration planning and deployment
- Routing protocol planning and deployment
- MPLS VPN planning and deployment
- Route redistribution, route selectn, filtering planning & dplymnt
- Network management planning and deployment
- Viewing and verification

Experiment 4: VXLAN EVPN network planning and deployment

- Topology and IP planning
- Data center EVPN planning and deployment
- Routing protocol planning and deployment
- Business planning and deployment
- Other planning and deployment
- Viewing and verification

Free Advice: +91 9600579474

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