



HCIP-Routing & Switching-IENP V2.5 Exam Outline

Exam Overview

Certification	Exam Code	Exam Name	Language	Duration	Pass Score/Total Score
HCIP-Routing & Switching	H12-222	HCIP-Routing & Switching-IENP V2.5	Chinese Simplified/ English/Spanish- Modern/French	90 min	600/1000

Exam Outline

The HCIP-Routing & Switching-IENP V2.5 exam covers MPLS, MPLS VPN, DHCP, VRRP, BFD, Mirroring technologies and Agile Controller, eSight Product Features, IP QoS, Huawei Firewall Technology Basis and SDN, VXLAN, NFV new technologies.

Key Points	Percentage
1. MPLS and MPLS VPN	26%
2. DHCP	7%
3. Mirroring	3%
4. Agile Controller and eSight	11%
5. IP QoS	21%
6. Huawei Firewall Technology Basis	15%
7. VRRP	6%
8. BFD	5%
9. SDN, NFV, VXLAN	6%

1. MPLS and MPLS VPN

- 1.1 MPLS architecture, LSP setup process
- 1.2 MPLS VPN working principles and configuration

2. DHCP

- 2.1 DHCP and DHCP relay principles and configurations
- 2.2 Security threats to DHCP and corresponding protection mechanisms

3. Mirroring

3.1 Mirroring concepts and configurations

4. Agile Controller and eSight

4.1 Agile Controller and eSight product features

5. IP QoS

5.1 QoS service models

5.2 Traffic classification and re-marking

5.3 Congestion management and congestion avoidance

5.4 Traffic policing and traffic shaping

6. Huawei Firewall Technology Basis

6.1 Huawei firewall products

6.2 Security zone and security policy

6.3 NAT: Private network users accessing the Internet, Internet users accessing Intranet servers

6.4 Attack defense

7. VRRP

7.1 VRRP principles and configurations

8. BFD

8.1 BFD principles and configurations

9. SDN, NFV, VXLAN

9.1 SDN concept and architecture, benefits of SDN

9.2 Challenges facing data center networks, VXLAN principles and configurations

9.3 NFV architecture, relationship between NFV and SDN

Note:

The content mentioned in this article is just a general exam guide; the exam may also contain more related content that is not mentioned here.

Reference

Huawei Certified ICT Professional Training Courses—HCIP-R&S: Improving Enterprise Network Performance (IE-NP)

Huawei Certified ICT Professional Training Courses—HCIP-R&S: Guide to Experiments



on Improving Enterprise Network Performance (IE-NP)

VRP Configuration Guide

VRP Troubleshooting

VRP Feature Description

Recommended Training

HCIP-Routing & Switching-IENP V2.5 Training