HCIA-SDN V1.0 Exam Outline

Exam Overview

Certification	Exam Code	Exam Name	Language	Duration	Pass Score/Total Score
HCIA-SDN	H31-611	HCIA-SDN V1.0	CHS/ENU	90 min	600/1000

Exam Outline

The HCIA-SDN exam covers datacom basics, SDN Architecture and Ecosystem, Key Technologies in Network Future such as Concepts and ONF and IETF Standards and SDN Products, SDN Layer 2 and Layer 3 Networking Principles, OpenFlow Protocol and Netconf Protocol and RestFul Protocol.

Key Points	Percentage
1. SDN architecture and industrial ecosystem	15%
2. HUAWEI SDN solutions and products	15%
3. SDN Layer 2 Networking Principles (DC)	20%
4. SDN Layer 3 Networking Principles (DC)	15%
5. SDN Interface Protocols and Principles (DC)	25%
6. SDN VxLAN Overlay Introduction	10%

1. SDN architecture and industrial ecosystem

1.1 Traditional Network Limitations

1.2 SDN Overview and History

1.3 SDN Network Architecture

1.4 SDN Value Proposition

1.5 SDN Challenges and Solutions

1.6 SDN Related Concepts and Organizations

1.7 SDN Influences to Current Telecom Network

2 HUAWEI SDN solutions and products

2.1 SDN routers products

2.2 SDN CloudEngine Switches

3. SDN Layer 2 Networking Principles (DC)

3.1 Control Channel Overview

3.2 Ethernet Networking Principles

4. SDN Layer 3 Networking Principles (DC)

4.1 IGP Protocols Introduction And Application in SDN

4.2 BGP Protocols Introduction And Application in SDN

5. SDN Interface Protocols and Principles (DC)

5.1 Introduction of SDN OpenFlow Protocol And Application

5.2 Introduction of SDN Netconf Protocol And Application

5.3 Introduction of SDN RestFul Protocol And Application

5.4 Introduction of SNMP Protocol And Application

5.5 Introduction of NetStream Protocol And Application

6. SDN VxLAN Overlay Introduction

6.1 VxLAN Overlay Overview

6.2 VxLAN Basic Concepts

6.3 VxLAN Applications in SDN AC-DCN Cloud Fabric Network

6.4 VxLAN Configuration Examples in SDN AC-DCN Cloud Fabric Network

Note：

The content mentioned in this article is a general exam guide only. The exam may also

contain more specific or related content that is not mentioned above.

Reference

HCIA-SDN V1.0 Training

VRP Configuration Guide

Huawei product manuals

Recommended Training

HCIA-SDN V1.0 Training