HW-HCIPSFT

HUAWEI CERTIFIED ICT PROFESSIONAL – SECURITY FAST TRACK

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
10 Days	Professional	Secruity	ILT	Huawei Learning Vouchers

INTRODUCTION

The HCIP Security Fast track course covers all concepts relating to, Constructing Infrastructure of Security Network, Constructing Service Security Network and Constructing Terminal Security System. This course certification allows you demonstrate a deep understanding of web security, application security, cloud security and network attack defense technologies and products, and can plan and design, operate and maintain Huawei security products. Including an understanding of terminal security systems, advanced user authentication and identifying Wireless Lan Network Security threats. Provides the ability to plan, design, operate and maintain Agile controllers.

AUDIENCE PROFILE

‒ Students aiming towards a network security professional role

‒ Students aiming to obtain HCIP Security certificate

PREREQUISITES

Before attending this course, delegates must have:

‒ HCIA Security certification or similar knowledge

‒ Strong knowledge of Routing and Switching

COURSE OBJECTIVES

On completion of this program, the participants will be able to:

‒ Describe the functionality of network security devices

‒ Describe the scenario of firewall advanced features

‒ Describe the principle of firewall advanced features

‒ Configure the firewall advanced features

‒ Troubleshoot the firewall advanced features

‒ Describe the scenario of application security technologies

‒ Describe the principle of application security technologies

‒ Configure the application security technologies

‒ Troubleshoot the application security technologies

‒ Configure the Agile Controller terminal security features

‒ Troubleshoot the Agile Controller terminal security features

‒ Understand WALN security technologies

COURSE CONTENT

Lesson 1: Network Security Device Management

‒ Network Security Device Management

‒ Network Security Device Log Analysis

‒ Network Security Device Unified Operation and Maintenance

Lesson 2: Firewall Intelligent Routing
− Principles of Intelligent Routing
− Intelligent Routing Application Analysis
− Intelligent Routing Troubleshooting

Lesson 3: Server Load Balancing
− Principles of SLB Technology
− SLB Deployment

Lesson 4: Firewall High Availability
− IP-Link Technology
− BFD Technology
− Hot Standby
− Link-group Technology
− Eth-Trunk Technology
− Application of Cryptographic Technologies

Lesson 5: VPN Technology and Application
− IPSec VPN Technology and Application
− SSL VPN Technology and Application

Lesson 6: Firewall Bandwidth Management
− Principle of Firewall Bandwidth Management
− Firewall Bandwidth Management Deployment
− Firewall bandwidth management Troubleshooting

Lesson 7: Firewall Virtual System
− Principle of Firewall virtual system
− Firewall Virtual System Deployment
− Firewall Virtual System Troubleshooting

Lesson 8: Content security filtering technology
− File Blocking Technology
− Data Filtering Technology
− Mail Filtering Technology
− Application Behaviour Control Technology

Lesson 9: Web Security Protection
− Basic Web Principles
− URL Filtering Technology
− Web Application System Protection
− Malicious Web Page Detection Technology

Lesson 10: Intrusion Detection and Prevention Technology
− Principles of Intrusion Detection Technology
− Intrusion prevention system
− NIP Principle and Configuration
− FW Intrusion and Prevention Features

Lesson 11: Antivirus Technology
− Principles of Antivirus Technology
− Applications of antivirus gateways technology

Lesson 12: Network Attack Defence Technology
− Principles of Single-Packet Attack defence
− Principles of Traffic Attack Defence

Lesson 13: Big Data and Cloud Security Technology
− Cloud Security Overview
− Cloud Security Technology and Solution

Lesson 14: Terminal Security Overview
− Necessity of terminal security
− Design Roadmap of the Terminal Security Solution
− Introduction to the Terminal Security System
− Security system maintenance solution

Lesson 15: WLAN Security Technology
− WLAN Security Threats
− Principles of WIDS/WIPS System
− WLAN User Access Security
− CAWAP Encryption and User Authorization Management

Lesson 16: Terminal Security System Deployment
− Agile Controller-Campus Installation
− Start the Agile Controller-Campus for the First Time
− High-Reliability Deployment of the Agile Controller-Campus

Lesson 17: User Authentication Technology
− 802.1X Authentication Technology
− MAC Authentication Technology
− SACG Authentication Technology
− Portal Authentication Technology

Lesson 18: Security System Operation and Maintenance
− User Management Technology
− Agile Network Technology
− eSight Service Management

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to take the three exams that make up the HCIP Security Certification. Exam # H12-721, Exam # H12-722 and Exam # H12-723

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