

HCIA-Security V3.0 Training

Target Audience

- Security operation and maintenance personnel
Those who hope to obtain HCIA-Security V3.0 certificate

Prerequisites

- Basic knowledge of TCP/IP
- Basic knowledge of Routing and Switching

Objectives

- On completion of this program, the participants will be able to:
- Understand the basic concepts of information security
- Understand information security common specifications
- Configure network devices
- Understand security attacks
- Understand encryption principle
- Understand the basic principles of operating system
- Understanding the common risks and defense methods of operating systems
- Understand the basic process of security operation and maintenance
- Understanding of safety analysis methods and evidence collection methods

Content

- Security information and security overview
 - Information Security Standards and Specifications
 - Basic Network Concepts and Common Network Devices
 - Common Information Security Threats
 - Threat Defense and Information Security Development Trends
- Operation system and Host security
 - Operating System Overview
 - Common Server Types and Threats
 - Host Firewalls and Antivirus Software
- Network security basis
 - Introduction to Firewalls
 - Network Address Translation
 - Dual-System Hot Standby
 - Firewall User Management
 - Overview of Intrusion Prevention
- Application of Encryption and Decryption

- Encryption and Decryption Mechanism
- PKI Certificate System
- Application of Cryptographic Technologies
- Security operation and analysis
 - Introduction to Security Operations
 - Data Monitoring and Analysis
 - Digital Forensics
 - Cybersecurity Emergency Response

Training Methods

- Lecture, Hands-on exercise

Duration:

5 Days