



HCIA-Security V4.0 Version Instructions

Version	Owner	Date	Explanation
V4.0	Jin Zhen/00373349	May 31,2022	Use V4.0 training materials, lab manuals, and question library. V4.0 will be released on May 31, 2022, and V3.0 will be officially offline on December 31, 2022.

1. Training material change instructions

Knowledge points	V3.0	V4.0	Change Instructions
1. Network security concepts and specifications	5%	10%	Updated cyber security concepts and specifications, and deleted the introduction to TCSEC and ITSEC standards.
2. Network basics	5%	10%	Updated the description of network protocols and network devices, and added the comparison of network devices.
3. Common network security threats and threat prevention	10%	10%	Updated common cyber security threats and preventive measures, and deleted security awareness.
4. Operation system and host security	10%	0%	Deleted.
5. Firewall security policy	5%	10%	Update the firewall forwarding mechanism.
6. Firewall NAT technologies	5%	10%	Update the network address translation product configuration.
7. Firewall hot standby technologies	10%	10%	Updated the dual-system hot backup principle and added the service forwarding and active/standby switchover process.
8. Firewall intrusion prevention technologies	5%	5%	Updated intrusion prevention and antivirus technologies.
9. Firewall user management technologies	5%	10%	Deleted the HWTACACS introduction and SSO content.
10. Fundamentals and applications of encryption technologies	20%	25%	Added IPSec VPN and SSL VPN technical principles.
11. Security operation and analysis	20%	0%	Deleted.

2. Lab Guides change instructions

Knowledge Point	V3.0	V4.0	Change Description
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1. Login to a firewall	10%	15%	Updated the firewall login experiment.
2. Remote code execution vulnerability	5%	0%	Deleted.
3. Basic firewall configurations	5%	0%	Deleted.
4. Basic network configurations	5%	0%	Deleted.
5. Firewall security policy	10%	15%	Updated firewall security policies experiment.
6. Firewall NAT Server & source NAT	10%	15%	Updated firewall NAT Server & source NAT experiment.
7. Firewall hot standby	10%	15%	Updated firewall hot standby experiment.
8. Firewall user management	10%	10%	Updated firewall user management experiment.
9. L2TP VPN	10%	0%	Deleted.
10. GRE VPN	10%	0%	Deleted.
11. Point-to-point IPSec VPN	15%	15%	Updated IPSec VPN experiment.
12. SSL VPN	0%	15%	Newly added.

3. Exam Point Changes

Knowledge points	V3.0	V4.0	Change Description
1. Network security concepts and specifications	7%	5%	Simplify some basic contents.
2. Network basics	7%	10%	Added the comparison of network devices.
3. Common network security threats and threat prevention	6%	5%	Reduced the percentage.
4. Operation system and host security	10%	0%	Deleted.
5. Firewall security policy	5%	10%	Increased the percentage.
6. Firewall NAT technologies	6%	10%	Increased the percentage.
7. Firewall hot standby technologies	7%	10%	Added the service forwarding and active/standby switchover process.
8. Firewall intrusion prevention technologies	7%	10%	Deleted the HWTACACS introduction and SSO content.
9. Firewall user management technologies	5%	10%	Increased the percentage.
10. Fundamentals of encryption technologies	5%	10%	Increased the percentage.
11. PKI certificate system	10%	5%	Reduced the percentage.
12. Encryption technology applications	5%	15%	Added IPSec VPN and SSL VPN
13. Security operation and analysis	20%	0%	Deleted.