

## CCIE Security Lab Exam Revision 6.1

### Blueprint Revisions

Products and technologies are evolving faster than ever before. To keep up with the fast pace, we are introducing a new agile process that will allow us to align our exams faster with these changes: *minor revisions*. Minor revisions will provide us with the agility and speed that are necessary to adjust our programs to match industry changes and the evolution of technologies. They will do so by allowing us to update track details (exam blueprint, equipment list, and software) more frequently while keeping overall changes to a minimum (smaller than 20%). These revisions allow us to ensure our content stays relevant, and they minimize learning curves between revisions.

The main objective of a minor revision is to:

- Further scope out the exam blueprint by ensuring exam objectives are clear
- Introduce new blueprint tasks to ensure exams stay relevant
- Phase out old(er) products and/or technology solutions that are less relevant today
- Update equipment and/or software

Today we are revising the CCIE Security Lab Exam.

### CCIE Security Lab Exam, minor revision 6.1

The CCIE Security lab exam is going through a *minor revision* (changes are small and incremental). Although the overall domains within the exam blueprint might look similar at first look, with this minor revision we added and removed technology solutions to ensure exam relevancy.

Please, refer to [www.cisco.com/go/CertRoadmap](http://www.cisco.com/go/CertRoadmap) for the list of exam topics covered in the updated CCIE Security lab exam and for more information about the CCIE Security certification program.

## CCIE Security Lab Exam Revision 6.1

### CCIE Security Lab Exam (v6.1) – Executive Summary

The new minor revision for CCIE Security allows us to keep the domains and topics closely aligned with today's Cisco Security technologies and solutions. In the modern workplace, organizations want to leverage the cloud to provide flexibility, scalability, and real-time integrations to meet their security needs and business requirements. The v6.1 lab exam blueprint introduces cloud security using Cisco Umbrella based on various use cases. Also, the v6.1 lab exam updated some of the security appliances to keep the lab exam current.

Below is a comprehensive summary of the CCIE Security v6.1 lab exam blueprint. Please note these are highlights only and therefore not all-inclusive. Refer to the actual Exam Topics list for details.

V6.0	V6.1
<b>1. Perimeter Security and Intrusion Prevention (20%)</b>	<b>1. Perimeter Security and Intrusion Prevention (20%)</b>
1.4.d N/A	1.4.d: Dynamic objects
<b>2. Secure Connectivity and Segmentation (20%)</b>	<b>2. Secure Connectivity and Segmentation (20%)</b>
2.4: Uplink and downlink MACsec (802.1AE)	Removed
<b>4. Identity Management, Information Exchange, and Access Control (25%)</b>	<b>4. Identity Management, Information Exchange, and Access Control (25%)</b>
4.13.a: EAP Chaining 4.18: N/A	4.13.a: EAP Chaining and TEAP 4.18: Cisco IBNS 2.0 (C3PL) for authentication, access control, and user policy enforcement
<b>5. Advanced Threat Protection and Content Security (20%)</b>	<b>5. Advanced Threat Protection and Content Security (20%)</b>
5.4: DNS layer security, intelligent proxy, and user identification using Cisco Umbrella	5.4: Cloud security 5.4.a: DNS proxy through Cisco Umbrella virtual appliance 5.4.b: DNS security policies in Cisco Umbrella 5.4.c: RBI policies in Cisco Umbrella 5.4.d: CASB policies in Cisco Umbrella 5.4.e: DLP policies in Cisco Umbrella

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### Hardware and Software Equipment

In support of the updated CCIE Security revision 6.1 lab exam environment, changes were made to the equipment and software releases used. Candidates who want to prepare for the exam are now advised to use the following Cisco equipment and software releases. Visit CCIE Security Lab Exam Equipment and Software v6.1 <link to new page> for a complete overview.

V6.0	V6.1
<b>Security Appliances</b>	<b>Security Appliances</b>
<ul style="list-style-type: none"><li>• ISE 2.4</li><li>• DNAC 1.3.1</li><li>• FMC 6.2</li><li>• NGIPS 6.2</li></ul>	<ul style="list-style-type: none"><li>• ISE 3.1.0</li><li>• DNAC 2.2.2.4</li><li>• FMC 7.1</li><li>• NGIPS 7.0</li></ul>

### Exam Format

No changes have been made to the lab exam format in this minor revision.