



Certified Cloud  
Security Professional

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An (ISC)<sup>2</sup> Certification

## Domain Refresh

Effective Date: August 1, 2022

*Please note: **The CCSP Exam Outline** is the official document outlining the domains, weights and subdomains of the certification exam. This document is intended to be a supplementary resource only.*

# CCSP Domain Refresh

On August 1, 2022, the domains for the (ISC)<sup>2</sup> CCSP<sup>®</sup> credential exam were refreshed.

The content of the CCSP was refreshed to reflect the most pertinent issues that cloud security professionals currently face. These enhancements are the result of a rigorous, methodical process that (ISC)<sup>2</sup> follows to routinely update its credential exams. This process ensures that the examinations and subsequent continuing professional education requirements encompass the topic areas relevant to the roles and responsibilities of today's practicing cybersecurity professional.

As a result of the content refresh, the domain and subdomain names have been updated to describe the topics accurately. The weights for the domains have also changed.

# Domain Comparison

August 2019 – July 2022	Effective August 1, 2022
<b>Domain 1:</b> Cloud Concepts, Architecture and Design <ul style="list-style-type: none"> <li>• Understand cloud computing concepts</li> <li>• Describe cloud reference architecture</li> <li>• Understand security concepts relevant to cloud computing</li> <li>• Understand design principles of secure cloud computing</li> <li>• Evaluate cloud service providers</li> </ul>	<b>Domain 1:</b> <b>Cloud Concepts, Architecture and Design</b> <ul style="list-style-type: none"> <li>• Understand cloud computing concepts</li> <li>• Describe cloud reference architecture</li> <li>• Understand security concepts relevant to cloud computing</li> <li>• Understand design principles of secure cloud computing</li> <li>• Evaluate cloud service providers</li> </ul>
<b>Exam Weight: 17%</b>	<b>Exam Weight: 17%</b>

August 2019 – July 2022	Effective August 1, 2022
<b>Domain 2:</b> Cloud Data Security	<b>Domain 2:</b> Cloud Data Security
<ul style="list-style-type: none"> <li>• Describe cloud data concepts</li> <li>• Design and implement cloud data storage architectures</li> <li>• Design and apply data security techniques and strategies</li> <li>• Implement data discovery</li> <li>• Design and implement Information Rights Management (IRM)</li> <li>• Plan and implement data retention, deletion and archiving policies</li> <li>• Design and implement auditability, traceability, and accountability of data events</li> </ul>	<ul style="list-style-type: none"> <li>• Describe cloud data concepts</li> <li>• Design and implement cloud data storage architectures</li> <li>• Design and apply data security technologies and strategies</li> <li>• Implement data discovery</li> <li>• Plan and implement data classification</li> <li>• Design and implement Information Rights Management (IRM)</li> <li>• Plan and implement data retention, deletion and archiving policies</li> <li>• Design and implement auditability, traceability and accountability of data events</li> </ul>
<b>Exam Weight: 19%</b>	<b>Exam Weight: 20%</b>

August 2019 – July 2022	Effective August 1, 2022
<b>Domain 3:</b> Cloud Platform and Infrastructure Security	<b>Domain 3:</b> <b>Cloud Platform and Infrastructure Security</b>
<ul style="list-style-type: none"><li>• Comprehend cloud infrastructure and platform components</li><li>• Design a secure data center</li><li>• Analyze risks associated with cloud infrastructure</li><li>• Design and plan security controls</li><li>• Plan disaster recovery (DR) and business continuity (BC)</li></ul>	<ul style="list-style-type: none"><li>• Comprehend cloud infrastructure and platform components</li><li>• Design a secure data center</li><li>• Analyze risks associated with cloud infrastructure and platforms</li><li>• Plan and implementation of security controls</li><li>• Plan business continuity (BC) and disaster recovery (DR)</li></ul>
<b>Exam Weight: 17%</b>	<b>Exam Weight: 17%</b>

August 2019 – July 2022	Effective August 1, 2022
<p><b>Domain 4:</b> Cloud Application Security</p> <ul style="list-style-type: none"> <li>• Advocate training and awareness for application security</li> <li>• Describe the Secure Software Development Life Cycle (SDLC) process</li> <li>• Apply the Secure Software Development Life Cycle (SDLC)</li> <li>• Apply cloud software assurance and validation</li> <li>• Use verified secure software</li> <li>• Comprehend the specifics of cloud application architecture</li> <li>• Design appropriate identity and access management (IAM) solutions</li> </ul>	<p><b>Domain 4:</b> <b>Cloud Application Security</b></p> <ul style="list-style-type: none"> <li>• Advocate training and awareness for application security</li> <li>• Describe the Secure Software Development Life Cycle (SDLC) process</li> <li>• Apply the Secure Software Development Life Cycle (SDLC)</li> <li>• Apply cloud software assurance and validation</li> <li>• Use verified secure software</li> <li>• Comprehend the specifics of cloud application architecture</li> <li>• Design appropriate identity and access management (IAM) solutions</li> </ul>
<b>Exam Weight: 17%</b>	<b>Exam Weight: 17%</b>

August 2019 – July 2022	Effective August 1, 2022
<b>Domain 5:</b> Cloud Security Operations	<b>Domain 5:</b> Cloud Security Operations
<ul style="list-style-type: none"> <li>• Implement and build physical and logical infrastructure for cloud environment</li> <li>• Operate physical and logical infrastructure for cloud environment</li> <li>• Manage physical and logical infrastructure for cloud environment</li> <li>• Implement operational controls and standards (e.g., Information Technology Infrastructure Library (ITIL), International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 20000-1)</li> <li>• Support digital forensics</li> <li>• Manage communication with relevant parties</li> <li>• Manage security operations</li> </ul>	<ul style="list-style-type: none"> <li>• Build and implement physical and logical infrastructure for cloud environment</li> <li>• Operate and maintain physical and logical infrastructure for cloud environment</li> <li>• Implement operational controls and standards (e.g., Information Technology Infrastructure Library (ITIL), International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 20000-1)</li> <li>• Support digital forensics</li> <li>• Manage communication with relevant parties</li> <li>• Manage security operations</li> </ul>
<b>Exam Weight: 17%</b>	<b>Exam Weight: 16%</b>

August 2019-July 2022	Effective August 1, 2022
<b>Domain 6:</b> Legal, Risk and Compliance	<b>Domain 6:</b> <b>Legal, Risk and Compliance</b>
<ul style="list-style-type: none"><li>• Articulate legal requirements and unique risks within the cloud environment</li><li>• Understand privacy issues</li><li>• Understand audit process, methodologies, and required adaptations for a cloud environment</li><li>• Understand implications of cloud to enterprise risk management</li><li>• Understand outsourcing and cloud contract design</li></ul>	<ul style="list-style-type: none"><li>• Articulate legal requirements and unique risks within the cloud environment</li><li>• Understand privacy issues</li><li>• Understand audit process, methodologies, and required adaptations for a cloud environment</li><li>• Understand implications of cloud to enterprise risk management</li><li>• Understand outsourcing and cloud contract design</li></ul>
<b>Exam Weight: 13%</b>	<b>Exam Weight: 13%</b>

# Additional Examination Information

## Supplementary References

Candidates are encouraged to supplement their education and experience by reviewing relevant resources that pertain to the CBK and identifying areas of study that may need additional attention.

View the full list of supplementary references at [www.isc2.org/certifications/References](http://www.isc2.org/certifications/References).

## Examination Policies and Procedures

(ISC)<sup>2</sup> recommends that CCSP candidates review exam policies and procedures prior to registering for the examination. Read the comprehensive breakdown of this important information at [www.isc2.org/Register-for-Exam](http://www.isc2.org/Register-for-Exam).

## Any Questions?

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