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# If The Cloud Is Just Someone Else's Computer, Why Do I Need a CCSP?

Cyber Supply Chain Risk Management (C-SCRM)

The process of identifying, assessing, preventing, and mitigating the risks associated with the distributed and interconnected nature of Information and Communications Technology (ICT) (including the Internet of Things [IoT]) product and service supply chains. C-SCRM covers the entire life cycle of ICT, and encompasses hardware, software, and information assurance, along with traditional supply chain management and supply chain security considerations.

How concerned are you about the security of public clouds?

95%

of organizations are moderately to extremely concerned about cloud security

35%	41%	19%	4%	1%
Extremely concerned	Very concerned	Moderately concerned	Slightly concerned	Not at all concerned
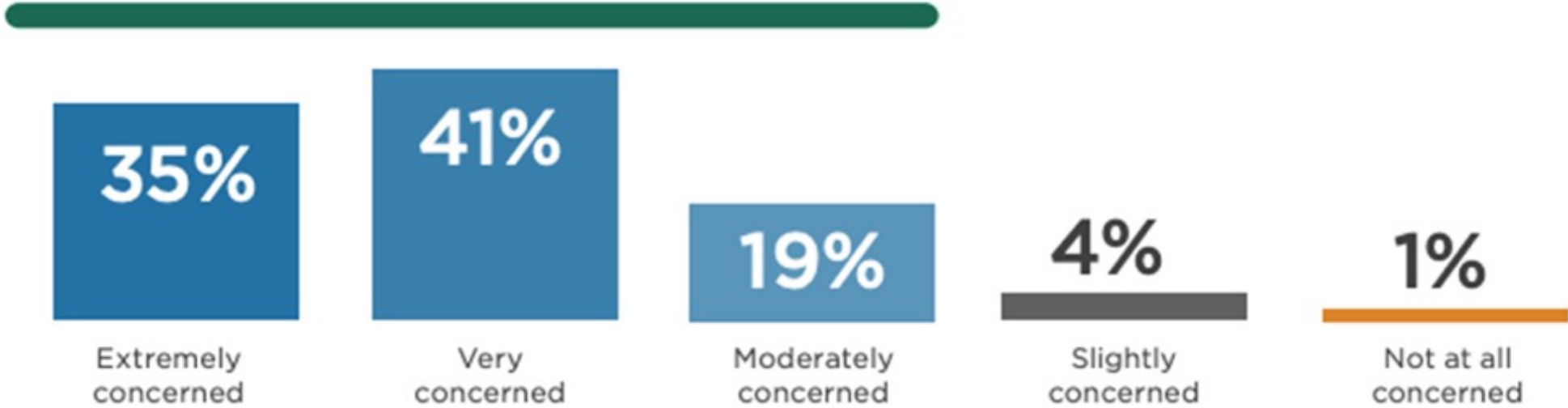
How confident are you in your organization's cloud security posture?

67%

of cybersecurity professionals are, at best, only moderately confident in their organization's cloud security posture

| 6% | 27% | 49% | 13% | 5% |

Extremely confident

Not at all confident

■ Extremely confident　■ Very confident　■ Moderately confident　■ Slightly confident　■ Not at all confident

Compared to traditional, on-premise IT environments, would you say the risk of security breaches in a public cloud environment is higher or lower?

43%

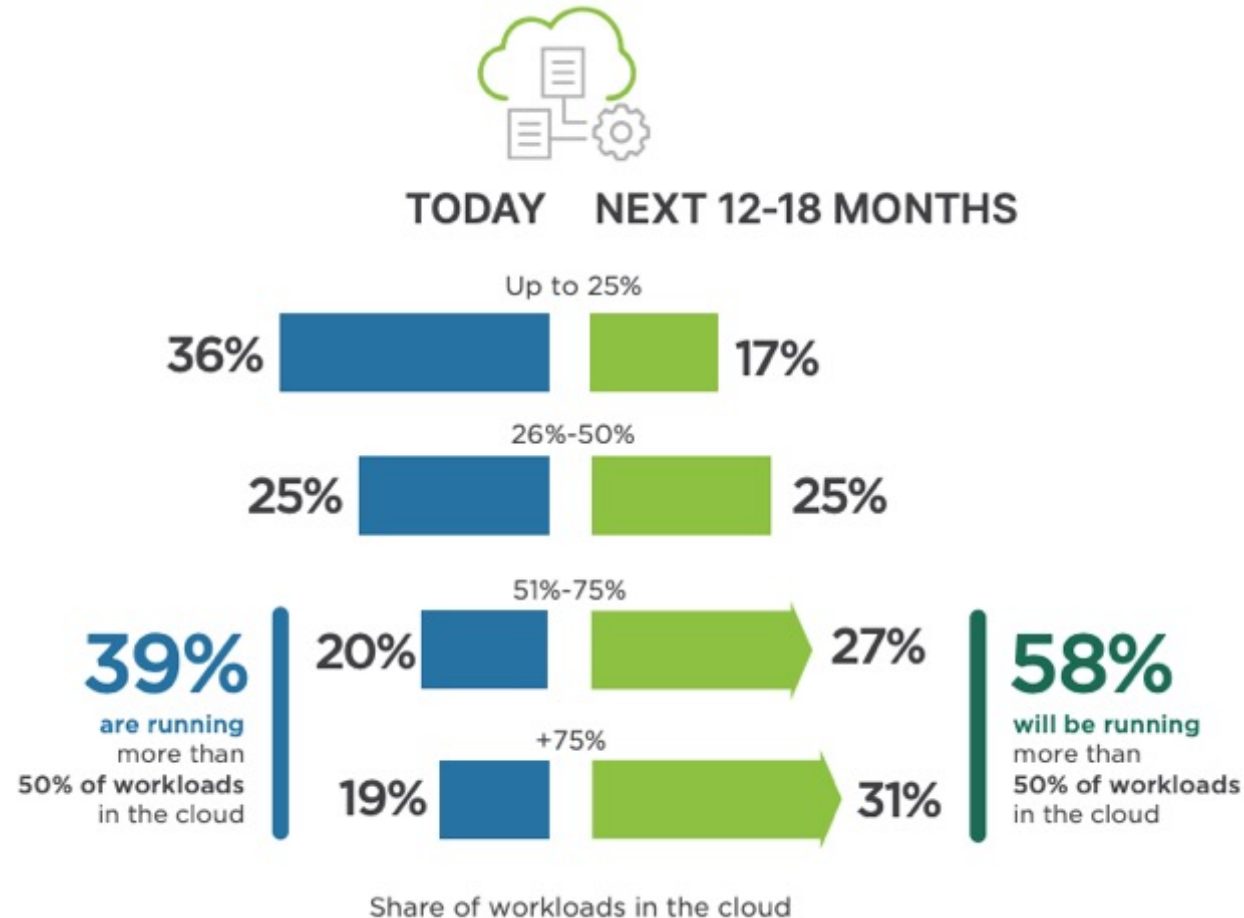say public cloud is at higher risk than on-premise environments

7%	20%	30%	30%	13%

Significantly lower

Significantly higher

■ Significantly lower ■ Somewhat lower ■ About the same ■ Somewhat higher ■ Significantly higher

What percentage of your workloads is in the cloud today? How about in the next 12–18 months?

Source: 2023 Cloud Security Report https://cloud.connect.isc2.org/cloud-security-report.

What are the biggest barriers holding back cloud adoption in your organization?

37% Lack of staff resources or expertise

30% Legal & regulatory compliance

29% Data security, loss & leakage risks

27% Integration with existing IT environment

24% Fear of vendor lock-in

23% General security risks

22% Lack of budget

Source: 2023 Cloud Security Report https://cloud.connect.isc2.org/cloud-security-report.

When considering cloud security certification for yourself and/or your team, do you consider mostly vendor-specific certifications or vendor-neutral certifications?

15%	29%	51%	5%
Mostly vendor specific	Mostly vendor neutral	Mix of both	Not sure

This is (ISC)²

Largest nonprofit membership association of certified cybersecurity professionals

Work with businesses and governments to build certifications that meet market needs

Provider of **lifelong professional education**

Global advocate for ethics, growth and success of the cybersecurity profession

Benefits of (ISC)² Certification

Proves you have expertise employers need

Demonstrates you're continually improving your skills

Sets you apart

Grants access to resources and educational tools
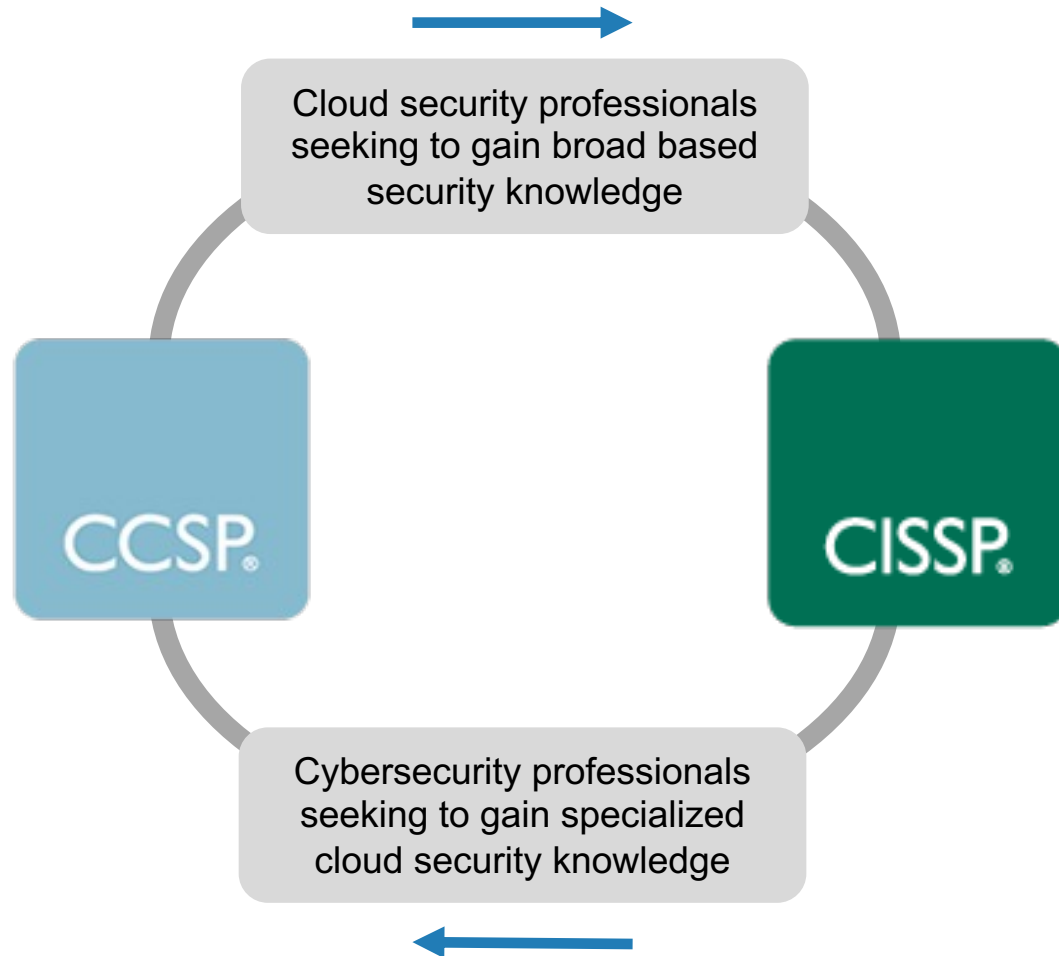
Provides peer-to-peer networking opportunities

Enables you to command top salaries

Directly benefits you

CISSP + CCSP =
Most In-Demand + Fastest-Growing

Cloud security professionals seeking to gain broad based security knowledge

CCSP.

CISSP.

Cybersecurity professionals seeking to gain specialized cloud security knowledge

POWER DUO CISSP. CCSP.

If you're a CISSP, you already meet the CCSP experience requirements so **you're immediately eligible to sit for the exam.**

You won't be charged an additional annual membership fee (AMF) and your CISSP CPE credits count toward CCSP maintenance.

Certified Cloud Security Professional

CCSP®

An (ISC)² Certification

Ideal for Cloud Security Professionals

Shows you have the required knowledge, skills, and abilities in cloud security design, implementation, architecture, operations, controls, and compliance with regulatory frameworks.

Certified Cloud Security Professional

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CCSP®

The CCSP is ideal for IT and information security leaders responsible for applying best practices to cloud security architecture, design, operations and service orchestration, including people in these positions.

Cloud Architect

Cloud Engineer

Cloud Consultant

Cloud Administrator

Cloud Security Analyst

Cloud Specialist

Auditor of Cloud Computing Services

Professional Cloud Developer

About the CCSP Certification

Vendor-agnostic credential

Certification requires:

- **Theoretical Requirement** – study and rigorous examination.

- **Practical Requirement** - demonstrated hands on experience.

- **Endorsement Requirement** - demonstrating experience and adherence to code of ethics.

- **Ongoing Requirement** – continuing professional education (CPEs).

![CCSP - Certified Cloud Security Professional - An (ISC)² Certification]

CCSP Experience Requirements

Candidates must have a minimum of five years' cumulative paid work experience in information technology, of which three years must be in information security and one year in one or more of the six domains of the CCSP CBK.

Earning CSA's CCSK certificate can be substituted for one year of experience in one or more of the six domains of the CCSP CBK.

Earning (ISC)²'s CISSP credential can be substituted for the entire CCSP experience requirement.

The CCSP Domain Areas

- Provides domains covered & weights

- Experience requirements

- Continually refreshed based on roles and responsibilities of today's practicing professionals

Domains	Weight
1. Cloud Concepts, Architecture and Design	17%
2. Cloud Data Security	20%
3. Cloud Platform and Infrastructure Security	17%
4. Cloud Application Security	17%
5. Cloud Security Operations	16%
6. Legal, Risk and Compliance	13%
Total:	100%

Cloud Concepts, Architecture and Design
17% of Exam Weight

- Cloud Computing Concepts

- Cloud Reference Architecture

- Security Concepts Relevant to Cloud Computing

- Design Principles of Secure Cloud Computing

- Cloud Service Provider evaluation

Cloud Data Security
20% of Exam Weight

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- Cloud Data Concepts

- Cloud Data Storage Architectures

- Data Security Technologies and Strategies

- Data Discovery

- Data Classification

- Information Rights Management (IRM)

- Data Retention, Deletion and Archiving Policies

- Auditability, Traceability and Accountability of Data Events

Cloud Platform and Infrastructure Security
17% of Exam Weight

- Cloud Infrastructure and Platform Components

- Cloud Secure Data Center Design

- Risks analysis Associated with Cloud Infrastructure and Platforms

- Security Controls

- Plan Business Continuity (BC) and Disaster Recovery (DR)

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Cloud Application Security
17% of Exam Weight

- Training and Awareness for Application Security
- Secure Software Development Life Cycle (SDLC) Process
- Cloud Software Assurance and Validation
- Verified Secure Software
- Cloud Application Architecture
- Identity and Access Management (IAM) Solutions

Certified Cloud
Security Professional

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Cloud Security Operations
16% of Exam Weight

- Physical and Logical Infrastructure for Cloud Environment
- Operational controls and standards (e.g. ITIL, ISO/IEC 20000-1)
- Digital Forensics
- Communication with Relevant Parties
- Security Operations

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Legal, Risk and Compliance
13% of Exam Weight

- Legal Requirements and Unique Risks within the Cloud Environment

- Cloud Privacy Issues

- Audit Process, Methodologies, and Required Adaptations for a Cloud Environment

- Implications of Cloud to Enterprise Risk Management

- Outsourcing and Cloud Contract Design

Exam

150
Number of CCSP certification exam items

4 hrs.
Amount of time allowed for taking the CCSP certification exam

700
Score you need out of 1,000 to pass the exam

Exam availability: English, Japanese Chinese, German, Korean and Spanish

Testing Centers:

Pearson | VUE

- CCSK certificate can be substituted for one year experience in cloud security
- CISSP certification holders automatically meet the experience requirements

Top Exam Preparation Tips: Key To Success

Start your preparation early and set study goals

Think as a manager not just as an operator

Don't get lost in specific vendor implementations, be vendor agnostic

Consider both Cloud Provider and Cloud Customer perspectives

Manage your time and stress on test day

Take practice tests to develop your strategies and timing

CISSPs: Your knowledge transfers BUT ensure you understand the ramifications the cloud brings to the general concepts

Q&A

Thank You!

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