

Cloud Security Training

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Speaker

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Disclaimer

“Any views or opinions expressed in this presentation are those of the presenter and not necessarily represent the view and opinions of my employer, its ownership, management or its employees .”

Thank you!

Communauté Microsoft Azure Québec



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Animée par @tidjani_b et @zig_max

📍 Québec, Canada [🔗 meetup.com/fr-FR/AzureQC/](https://www.meetup.com/fr-FR/AzureQC/)

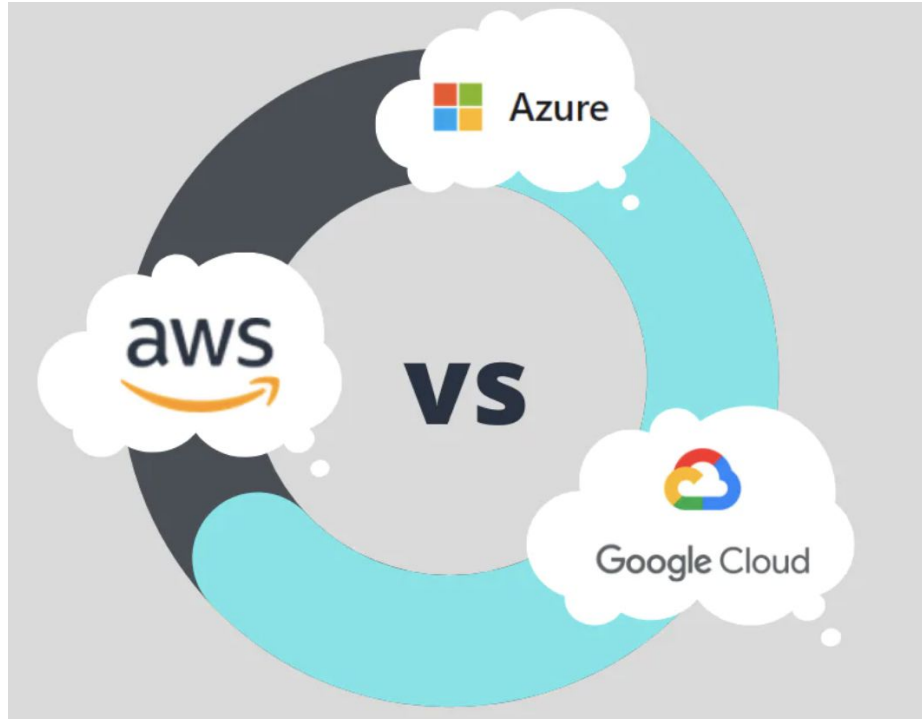


Session Agenda / Goal

- **Introduction**
- **CCSK / CCAK (Cloud Security Alliance)**
- **CCSP (ISC2)**
- **Azure Security Training Path**
 - SC-900 | Microsoft Security, Compliance, and Identity Fundamentals
 - AZ-500 | Microsoft Azure Security Technologies
 - SC-100 | Microsoft Cybersecurity Architect
 - SC-200 | Microsoft Security Operations Analyst
 - SC-300 | Microsoft Identity and Access Administrator
 - SC-400 | Microsoft Information Protection Administrator
- **Cloud Training Platform**



Introduction



CCSK - Certificate of Cloud Security Knowledge

Domain 1: Cloud Computing Concepts and Architectures

- Definitions of Cloud Computing
 - Service Models
 - Deployment Models
 - Reference and Architecture Models
 - Logical Model
- Cloud Security Scope, Responsibilities, and Models
- Areas of Critical Focus in Cloud Security

Domain 2: Governance and Enterprise Risk Management

- Tools of Cloud Governance
- Enterprise Risk Management in the Cloud
- Effects of various Service and Deployment Models
- Cloud Risk Trade-offs and Tools

Domain 3: Legal Issues, Contracts and Electronic Discovery

- Legal Frameworks Governing Data Protection and Privacy
 - Cross-Border Data Transfer
 - Regional Considerations
- Contracts and Provider Selection
 - Contracts
 - Due Diligence
 - Third-Party Audits and Attestations
- Electronic Discovery
 - Data Custody
 - Data Preservation
 - Data Collection
 - Response to a Subpoena or Search Warrant

CCSK - Certificate of Cloud Security Knowledge

Domain 4: Compliance and Audit Management

- Compliance in the Cloud
 - Compliance impact on cloud contracts
 - Compliance scope
 - Compliance analysis requirements
- Audit Management in the Cloud
 - Right to audit
 - Audit scope
 - Auditor requirements

Domain 5: Information Governance

- Governance Domains
- Six phases of the Data Security Lifecycle and their key elements
- Data Security Functions, Actors and Controls

Domain 6: Management Plane and Business Continuity

- Business Continuity and Disaster Recovery in the Cloud
- Architect for Failure
- Management Plane Security

Domain 7: Infrastructure Security

- Cloud Network Virtualization
- Security Changes With Cloud Networking
- Challenges of Virtual Appliances
- SDN Security Benefits
- Micro-segmentation and the Software Defined Perimeter
- Hybrid Cloud Considerations
- Cloud Compute and Workload Security

CCAK - Certification of Cloud Auditing Knowledge

The CCAK study guide covers several existing familiar components from the Cloud Security Alliance. Below are a list of the topics covered in the Official CCAK Study Guide:

- Cloud Governance
- Cloud Compliance Program
- Introduction to the CCM and CAIQ
- A Threat Analysis Methodology for Cloud Using the CCM
- Cloud Auditing
- Evaluating a Cloud Compliance Program
- CCM Auditing Guidelines
- Continuous Assurance and Compliance
- Security Trust Assurance and Risk (STAR) Program

<https://cloudsecurityalliance.org/blog/2021/07/27/study-guide-for-certificate-of-cloud-auditing-knowledge-ccak-now-available/>

ISC2/CCSP - Certified Cloud Security Professional

| Major Domains | Weightings (Percentage) |
|--|-------------------------|
| Domain 1: Cloud Concepts, Architecture, and Design | 17% |
| Domain 2: Cloud Data Security | 19% |
| Domain 3: Cloud Platform and Infrastructure Security | 17% |
| Domain 4: Cloud Application Security | 17% |
| Domain 5: Cloud Security Operations | 17% |
| Domain 6: Legal, Risk, and Compliance | 13% |
| Total | 100% |

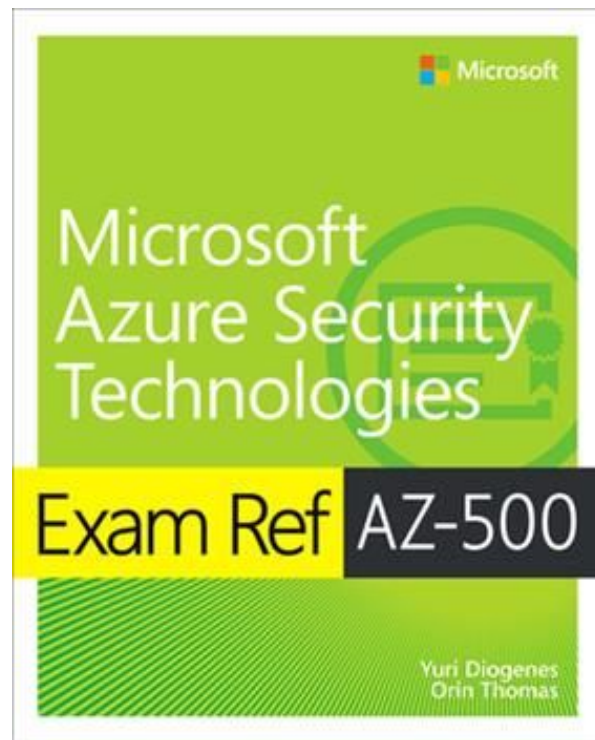
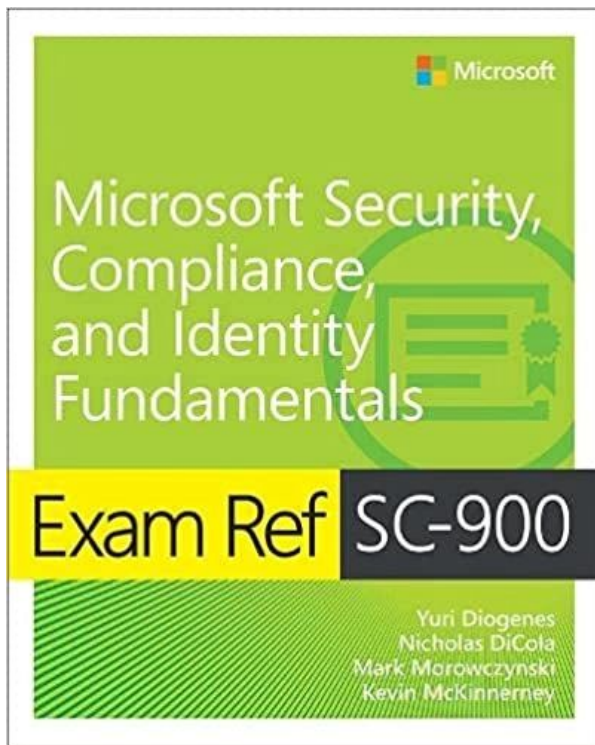
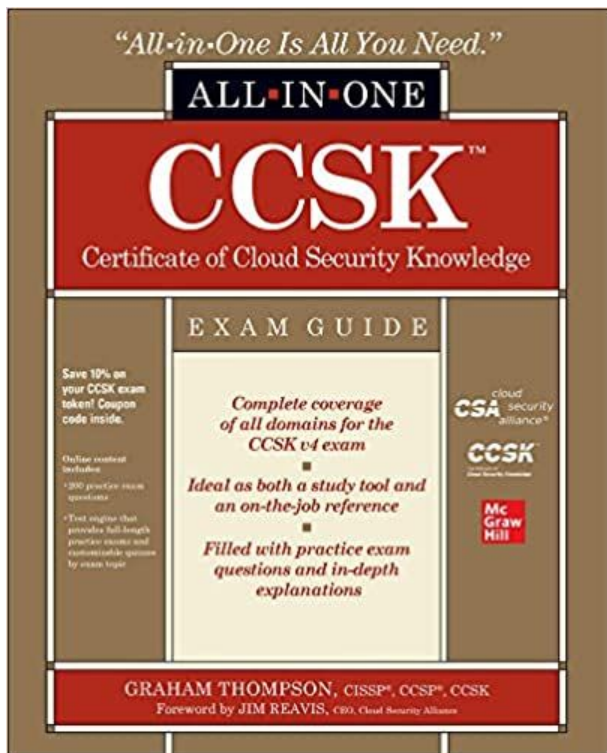
<https://www.isc2.org/Certifications/CCSP>

Azure Security Training Path



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Certifications Books



Certifications Books

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(ISC)² Official Study Guide

CCSP[®] 

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Official Study Guide

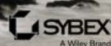
Brian T. O'Hara
Ben Malisow

Covers 100% of exam objectives, including cloud data security, cloud application security, operations, compliance, and much more...

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CCSPSM CBK[®]

Gordon

- » Produced by (ISC)², the trusted source of industry expertise for cyber, information, software and infrastructure security
- » The definitive "common" body of knowledge used by candidates for the Certified Cloud Security Professional (CCSP) credential



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Cloud Learning Platform

- ACloud Guru (\$\$) - <https://acloudguru.com/>
- CloudAcademy (\$\$) - <https://cloudacademy.com/>
- Pluralsight (\$\$) - <https://www.pluralsight.com/fr>
- LinkedIn Learning (Free with a LinkedIn Premium Account) - <https://www.linkedin.com/learning/>

- Microsoft Learn (Free) - <https://docs.microsoft.com/fr-fr/learn/>
- Youtube Channel Azure Québec (Free) - shorturl.at/oN126



Vous regardez : Découvrir Azure Policy

Dans le cours : Microsoft Azure : La sécurité

31 150

Vue d'ensemble **Contenu** Transcriptions Notes

3. Assurer la conformité

○ Découvrir Azure Policy

1 min 1 sec

Assigner une stratégie

2 min 31 sec

Valider le bon fonctionnement de la stratégie

1 min 36 sec

Connaître le résultat de la non-conformité

1 min 16 sec

4. Aborder la sécurité de l'infrastructure

Découvrir Network Security Groups

1 min 9 sec

Mettre en œuvre Network Security Groups

5 min 15 sec

Créer une passerelle applicative

3 min 39 sec

Configurer Application Gateway

4 min 52 sec

Mettre en place le pare-feu

3 min 3 sec

5. Administrer les identités

Gérer les identités avec Azure Active Directory

5 min 16 sec

Créer un groupe

Aide/Commentaires

Technical Resources

Microsoft Technical Community Content

<https://github.com/Microsoft/TechnicalCommunityContent>

Cloud Security Alliance - <https://cloudsecurityalliance.org/>

ISC2 CCSP - <https://www.isc2.org/Certifications/CCSP>

Microsoft Security Certifications -

<https://docs.microsoft.com/en-us/learn/certifications/roles/security-engineer>

Maxime Blog - <http://zigmax.net>

Channel Youtube - Communauté Azure Quebec

<https://www.youtube.com/channel/UCYLAJgoYFLYf0d4jWXuC1cA>

Questions / Talks