ABOUT THE CSA CLOUD CONTROLS MATRIX

• Provides fundamental security principles to guide cloud vendors and to assist prospective cloud customers in assessing the overall security risk of a cloud provider.
• Strengthens existing information security control environments by delineating control guidance by service provider and consumer, and by differentiating according to cloud model type and environment.
• Provides a controls framework in 16 domains that are crosswalked to other industry-accepted security standards, regulations, and controls frameworks to reduce audit complexity.
• Seeks to normalize security expectations, cloud taxonomy and terminology, and security measures implemented in the cloud.

WHAT’S NEW IN THIS VERSION!

• Realigns the CCM control domains to the Cloud Security Alliance “Security Guidance for Critical Areas of Focus in Cloud Computing, v3.0” as well as the Open Certification Framework (OCF).
• Introduces three new control domains to map to the nexus of forces that today’s security practitioners have to deal with.
• Has undergone more than a year of review from over 200 reviewers worldwide, and substantial reworking of controls to be auditable.

Renaming & Alignment with CSA Guidance

• Three new control domains, “Mobile Security,” “Supply Chain Management, Transparency and Accountability,” and “Interoperability & Portability”.
• “Mobile Security” addresses rapidly expanding methods cloud data is accessed. Controls are built upon the CSA’s “Security Guidance for Critical Areas of Mobile Computing, v1.0” and are the first mobile device specific controls incorporated into the Cloud Control Matrix.
• “Supply Chain Management, Transparency and Accountability” addresses the need for ensuring due care is taken in the cloud providers supply chain, as well as the risks associated with governing data within the cloud.
• “Interoperability & Portability” seeks to minimize service disruptions in the face of a change to cloud provider relationship in the face of a change in a cloud vendor relationship or expansion of services.
• Existing control domains, notably, “Governance and Risk Management” and “Encryption and Key Management” have been overhauled to improve the clarity and intent of the control, and to minimize control overlap.

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Cloud Controls Matrix v3.0

Quick Stats

Mobile Security
Supply Chain Management, Transparency and Accountability
Interoperability and Portability

CCM v1.X → CCM v3.0
ALIGNS WITH

Security Guidance Version 3.0

NEW DOMAINS

98 CONTROLS // 136 CONTROLS
Cloud Controls Matrix v1.X // Cloud Controls Matrix v3.0

CCM v1.X DOMAINS +v3.0 MAPPINGS

Compliance (CO) AAC SEF STA
Data Governance (DG) BCR DSI GRM
Facility Security (FS) DSC
Human Resources (HR) HRS
Information Security (IS) EKM GRM IAM SEF TVM
Legal (LG) HRS STA
Operations Management (OP) BCR
Risk Management (RI) AAC
Release Management (RM) CCC
Resiliency (RS) BCR
Security Architecture (SA) AIS IVS TVM

CCM v3.0 DOMAINS

AIS Application & Interface Security
AAC Audit Assurance & Compliance
BCR Business Continuity Mgmt & Op Resilience
CCC Change Control & Configuration Management
DSI Data Security & Information Lifecycle Mgmt
DSC Datacenter Security
EKM Encryption & Key Management
GRM Governance & Risk Management
HRS Human Resources Security
IAM Identity & Access Management
IVS Infrastructure & Virtualization
IPY Interoperability & Portability
MOS Mobile Security
SEF Sec. Incident Mgmt, E-Disc & Cloud Forensics
STA Supply Chain Mgmt, Transparency & Accountability
TVM Threat & Vulnerability Management

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https://cloudsecurityalliance.org/research/ccm
https://blog.cloudsecurityalliance.org/ccm/
ccm-leadership@cloudsecurityalliance.org