

Cloud Controls Matrix v3.0 Info Sheet



<https://cloudsecurityalliance.org/research/ccm/>

Welcome to Latest Version of the Cloud Controls Matrix, CCM v3.0!

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 cross-walked 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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Quick Stats

FOR MORE INFORMATION:
<https://cloudsecurityalliance.org/research/ccm>
<https://blog.cloudsecurityalliance.org/ccm/>
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**NEW
DOMAINS**

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

CCM v1.X → CCM v3.0



ALIGNS
WITH ↓

**Security Guidance
Version 3.0**

98 CONTROLS

Cloud Controls Matrix v1.X



136 CONTROLS

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