

A glass globe is positioned on a laptop keyboard. The globe is transparent and shows a world map. The background is a blurred world map. The text is overlaid on the left side of the image.

PANEL DISCUSSION: CYBERSECURITY & PRIVACY IN THE CHALLENGES OF AI

Hing-Yan LEE (Dr.)
Executive Vice President, APAC
Cloud Security Alliance

ABOUT THE CLOUD SECURITY ALLIANCE

“To promote the use of best practices for providing security assurance within Cloud Computing, and provide education on the uses of Cloud Computing to help secure all other forms of computing.”



**BUILDING SECURITY BEST PRACTICES
FOR NEXT GENERATION IT**



**GLOBAL, NOT-FOR-PROFIT
ORGANIZATION**



**RESEARCH AND EDUCATIONAL
PROGRAMS**



**CLOUD PROVIDER CERTIFICATION -
CSA STAR**



USER CERTIFICATION - CCSK



**THE GLOBALLY AUTHORITATIVE
SOURCE FOR TRUST IN THE CLOUD**

Guidance V4


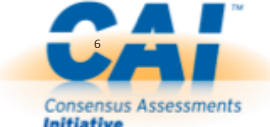

SECURITY GUIDANCE

For Critical Areas of Focus
In Cloud Computing v4.0



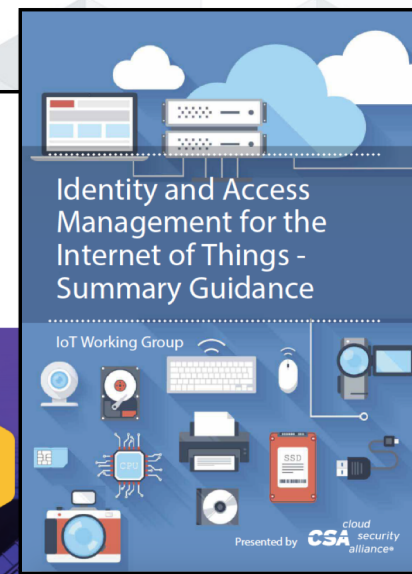
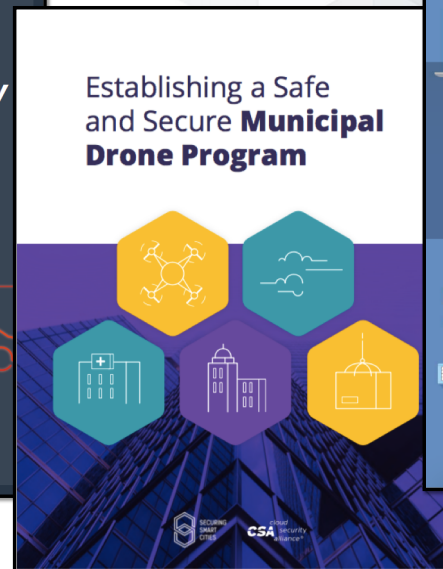
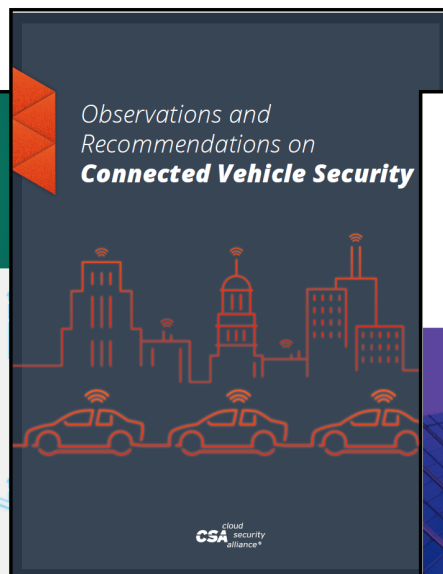
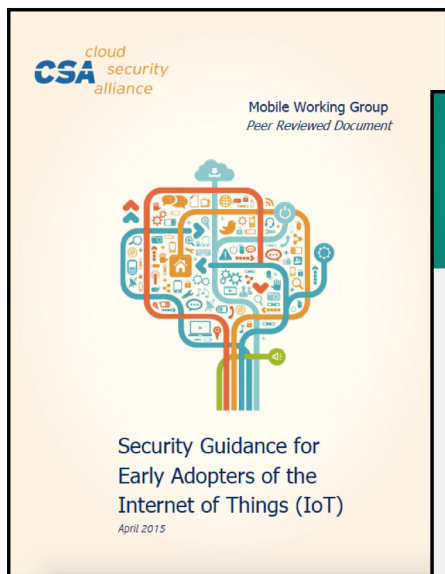
- Fundamental cloud security research that started CSA
- Foundation for certificate of cloud security knowledge (CCSK)
- 4th version, released July 2017
- Architecture
- Governing in the cloud
 - Governance and enterprise risk management
 - Legal
 - Compliance & audit management
 - Information governance
- Operating in the cloud
 - Management plane & business continuity
 - Infrastructure security
 - Virtualization & containers
 - Incident response
 - Application security
 - Data security & encryption
 - Identity management
 - Security as a service
 - Related technologies

Cloud Risk Management Tools

Delivering	Solution	Description
Foundational Controls		Fundamental security principles to specify cloud consumer security needs and assessing cloud provider security risk
Pre-audit checklists, questionnaires, and control inventories		Industry accepted ways to document security controls exist
Centralized location and methodology for reporting alignment		Self reporting and/or third party validation of CCM or CAIQ alignment

- Industry and research backed solutions
- Mapped to international security standards
- Free to use

Relevant Materials by CSA's IoT Working Group, Free to Download from our Website



Security Guidance for Early Adopters of the Internet of Things (IoT)

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Future-proofing the Connected World: 13 Steps to Developing Secure IoT Products

Observations and Recommendations on Connected Vehicle Security

Establishing a Safe and Secure Municipal Drone Program

Identify and Access Management for the Internet of Things – Summary Guidance

CSA APAC cloud security alliance*
ASIA PACIFIC REGION

CSA Controls Framework & Accompanying Guide

Introduces base-level security controls required to mitigate numerous risks associated with IoT systems



**Internet of Things
(IoT) Security
Controls Framework**

[Download Now](#)

Download the new CSA IoT Controls Framework and Companion Guide.

Adjacent CSA Research for the IoT 'Puzzle'

- Identity Mgt (domain of CSA Guidance, Version 4)
 - <https://cloudsecurityalliance.org/group/security-guidance/>
- Big Data
 - <https://cloudsecurityalliance.org/research/big-data/>
- Software Defined Perimeter
 - <https://cloudsecurityalliance.org/group/software-defined-perimeter/>
- Security as a Service
 - <https://cloudsecurityalliance.org/research/secaas/>



CSA IoT Partners to Date

- CSA Corporate Members and Working Groups
- US Federal Communications Commission
- ISO
- IEEE
- ITU
- NIST
- Fraunhofer FOKUS
- Securing Smart Cities
- US Department of Transportation: Federal Highway Administration
- To get involved, email research@cloudsecurityalliance.org