

CLOUD SECURITY ALLIANCE: WHERE WE ARE & WHERE WE ARE GOING

SCENARI CLOUD NEL PROSSIMO FUTURO

Daniele Catteddu
CTO, Cloud Security Alliance

90,000+
INDIVIDUAL MEMBERS

80+
CHAPTERS

300+
CORPORATE MEMBERS

30+
ACTIVE WORKING
GROUPS

Strategic partnerships with governments,
research institutions, professional
associations and industry

Active role in the standardization
community: Liaison with ISO SC 27 and
SC38

CSA research is FREE!

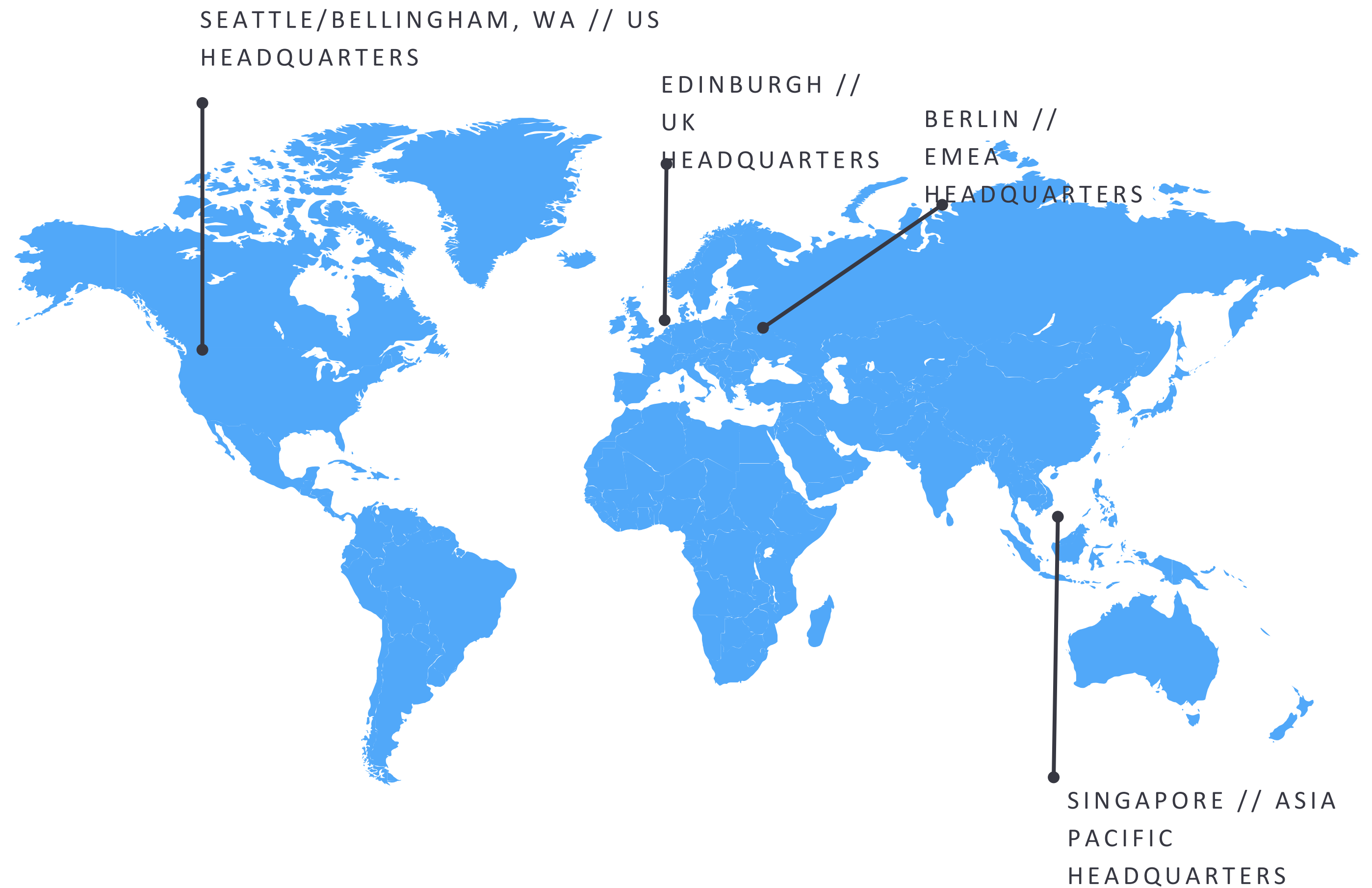
2009

CSA FOUNDED



OUR COMMUNITY

RIGHT © 2018 CLOUD SECURITY ALLIANCE



CSA ANNOUNCES EMEA HQ & GDPR CENTER OF EXCELLENCE IN BERLIN

FOUNDING MEMBERS



Google Cloud



netkope

OneTrust
Privacy Management Software



Qualys®

zscaler

CSA EMEA cloud
security
alliance®
EUROPE, THE MIDDLE EAST, & AFRICA REGION

Security Megatrends for Digital Transformation



- Information security becomes **Cybersecurity**
 - Not just information protection
 - Safety and availability of critical infrastructure
 - Airbus 380 is a big IoT device
- Security and **Privacy** work together
- Radical **Automation** required for scalability
- **Artificial Intelligence** is the brain managing the digital enterprise and its security
- **Blockchain** provides the trusted language & rules:
Worldwide Ledger of Trust
- **Security** delivered as a **Service**

Facing reality...



- Lack of expertise: predictions are 3.5 million cybersecurity job openings by 2021
- Phishing is still the most effective vector for cyberattack
- Users not embracing 2FA
- Poor or no-security in many IoT devices
- Uneven regulatory landscape
- Ineffective compliance and assurance: we spend more resources in compliance and operation security...

Not everything looks so bad



- DevSecOps is redefining our approach to security
- GDPR is forcing companies to care about privacy and security
- Solutions for continuous auditing and streamlining compliance are maturing
- My wife finally uses 2FA....

**COMPLIANCE
AND
ASSURANCE:
AN
EXCESSIVE
BURDEN?**

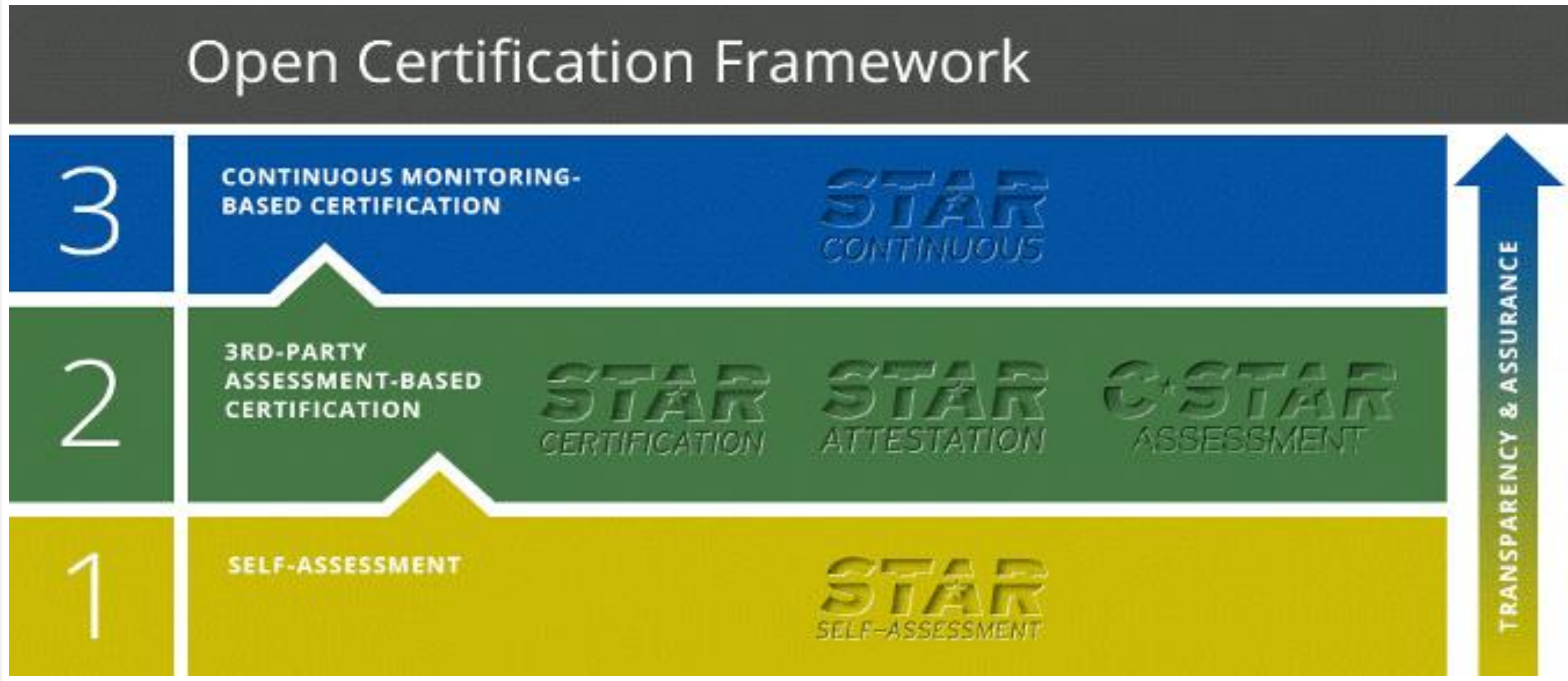


PROLIFERATION OF COMPLIANCE SCHEMES

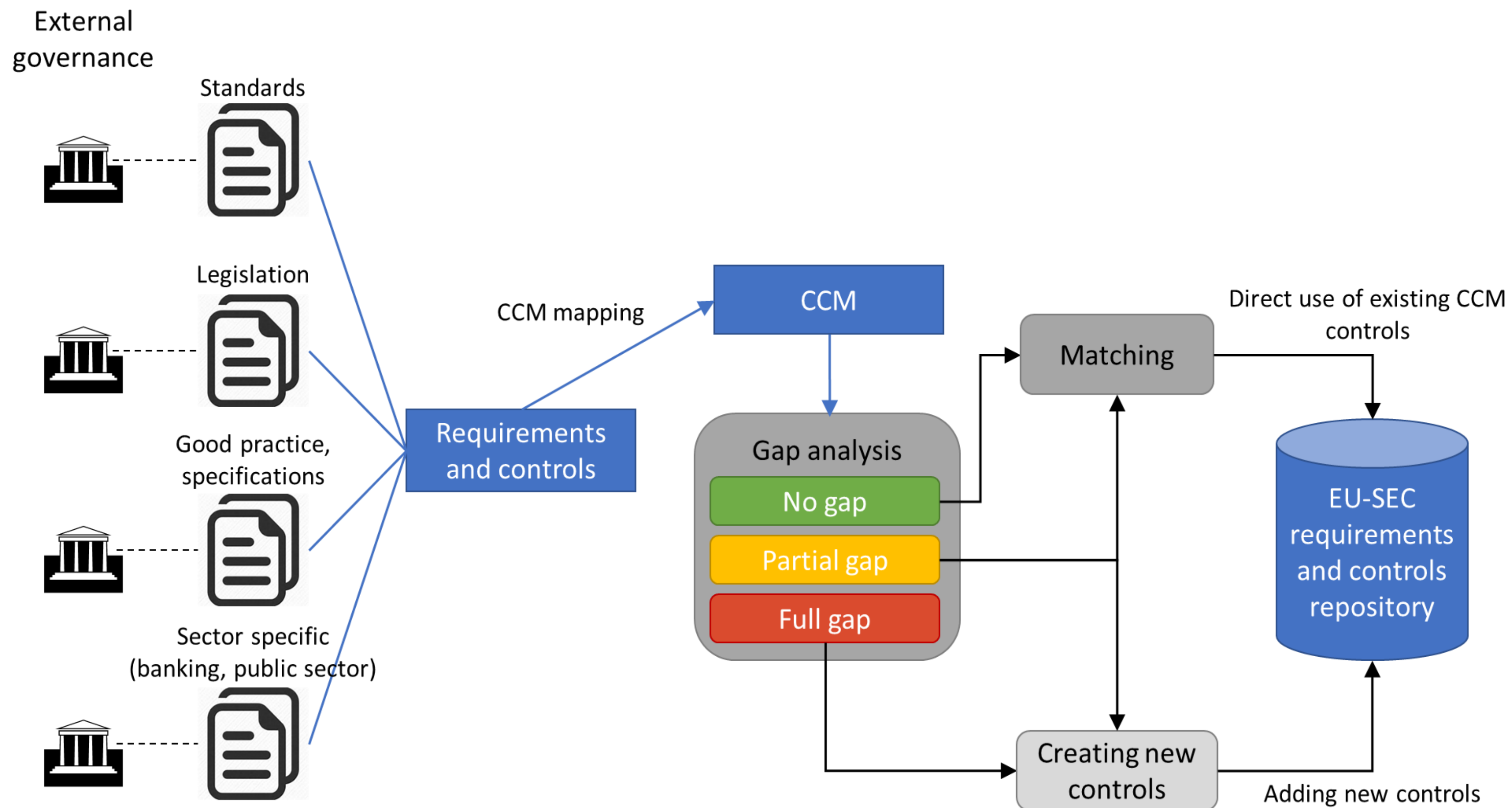


Fig1. Compliance Templates Provided By Microsoft

OPEN CERTIFICATION PROGRAM



THE KEY ROLE OF CCM



MULTIPARTY RECOGNITION FRAMEWORK

CSA is developing a **multiparty recognition framework** for cloud security certifications for trustful and compliant use of Cloud Computing

This work is partially done the context of the EC funded project EU-SEC



European Security Certification Framework (EU-SEC)

is an innovation project with an aim to create a framework under which existing certification and assurance approaches can co-exist. It has a goal to improve the business value, effectiveness and efficiency of existing cloud security certification schemes.

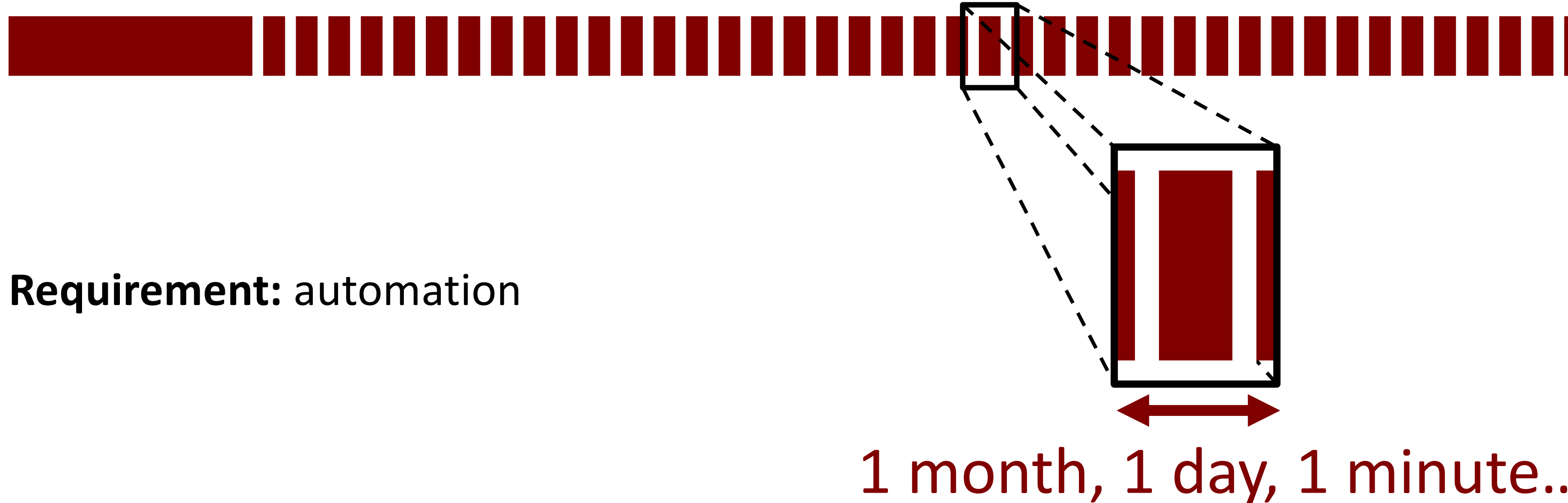
This project has received funding from the European Union's HORIZON Framework Programme for research, technological development and demonstration under grant agreement no 731845.

“Traditional” vs “continuous audit-based” certification

“Traditional”



“continuous”



THE PRIVACY OVERLAY

TECHNICAL
COMPLIANCE

CSA CODE OF CONDUCT

Open Certification Framework





PRIVACY LEVEL AGREEMENT WORKING GROUP, NOVEMBER 2017



CSA Code of Conduct for GDPR Compliance

- Released November 2017
- Provide CSPs a tool to achieve EU Data Protection
- Provide cloud customer with a tool to evaluate CSP Data Protection compliance
- Code of Conduct Self-Assessment and Certification added to CSA STAR in 2018
- Working closely with supervisory authorities for approval
- Focus of CSA Europe launch at Bitkom in Berlin
- <https://gdpr.cloudsecurityalliance.org/>



PRIVACY LEVEL AGREEMENT WORKING GROUP, NOVEMBER 2017



CSA Code of Conduct

- Structure of components
 - Part 1: CSA CoC objectives & scope
 - Part 2: Privacy Level Agreement Code of Practice
 - Part 3: CSA CoC Governance mechanisms
- Detailed list of GDPR requirements
- Strongly based on WP29 Opinions, ENISA Guidelines and ISO standards
- Considers differences between CSP-controller and CSP-processor

???

KEY COMPONENTS OF GDPR COMPLIANCE



Thank You!

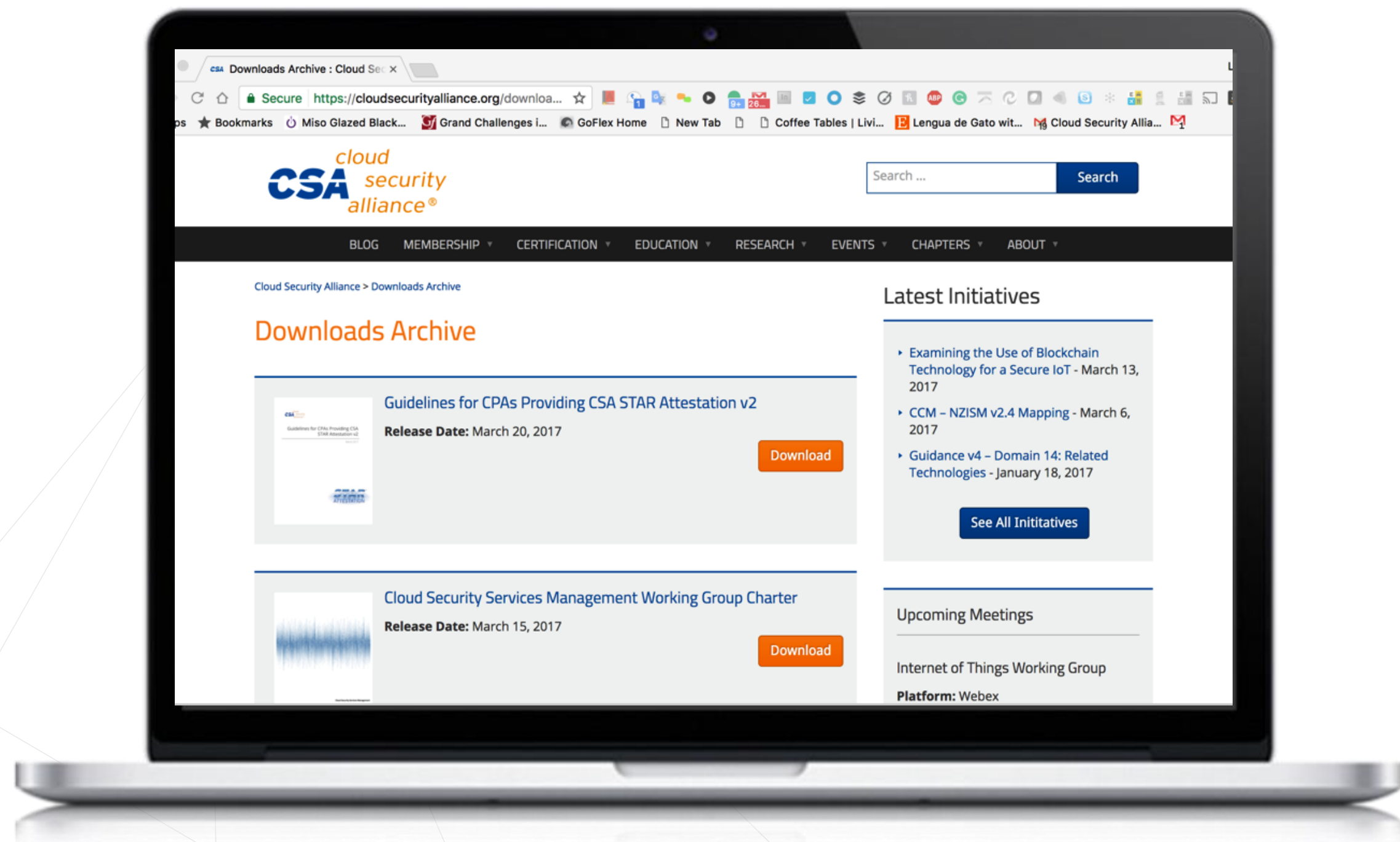
Contact CSA

Email: info@cloudsecurityalliance.org
dcatteddu@cloudsecurityalliance.org

Twitter: @Cloudsa

Site: www.cloudsecurityalliance.org

Download: www.cloudsecurityalliance.org/download



RESOURCES

- CSA Code of Conduct for GDPR Compliance:
<https://gdpr.cloudsecurityalliance.org/wp-content/uploads/sites/2/2018/08/CSA-Code-of-Conduct-for-GDPR-Compliance-Aug14-18.pdf>
- CSA GDPR Resource Center: <https://gdpr.cloudsecurityalliance.org>
- CLOUD CONTROL MATRIX: https://cloudsecurityalliance.org/group/cloud-controls-matrix/#_overview
- STAR PROGRAM OVERVIEW: https://cloudsecurityalliance.org/star/#_overview
- CSA STAR REGISTRY: https://cloudsecurityalliance.org/star/#_registry