

Zero Trust: A Future proof strategy

Daniele Catteddu – Chief Technology Officer
Cloud Security Alliance

160k+

INDIVIDUAL MEMBERS

100+

CHAPTERS

2009

CSA FOUNDED

500+

CORPORATE MEMBERS

30+

ACTIVE WORKING GROUPS

SEATTLE/BELLINGHAM// GLOBAL
HEADQUARTERS

2,000+

STAR REGISTRY
ENTRIES

12,000+

CONTRIBUTING RESEARCH
VOLUNTEERS

BERLIN //
EMEA HEADQUARTERS

SHANGHAI // GREATER
CHINA REGION

SINGAPORE // ASIA PACIFIC
HEADQUARTERS



CSA research is
FREE! 600+
Publications



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

It's a philosophy

Strategy



Not a technology



The definition CSA is using

Zero Trust is a cybersecurity strategy premised on the idea that no user or asset is to be implicitly trusted. It assumes that a breach has already occurred or will occur, and therefore, a user should not be granted access to sensitive information by a single verification done at the enterprise perimeter. Instead, each user, device, application, and transaction must be continually verified.

THE PRESIDENT'S NATIONAL SECURITY
TELECOMMUNICATIONS ADVISORY COMMITTEE



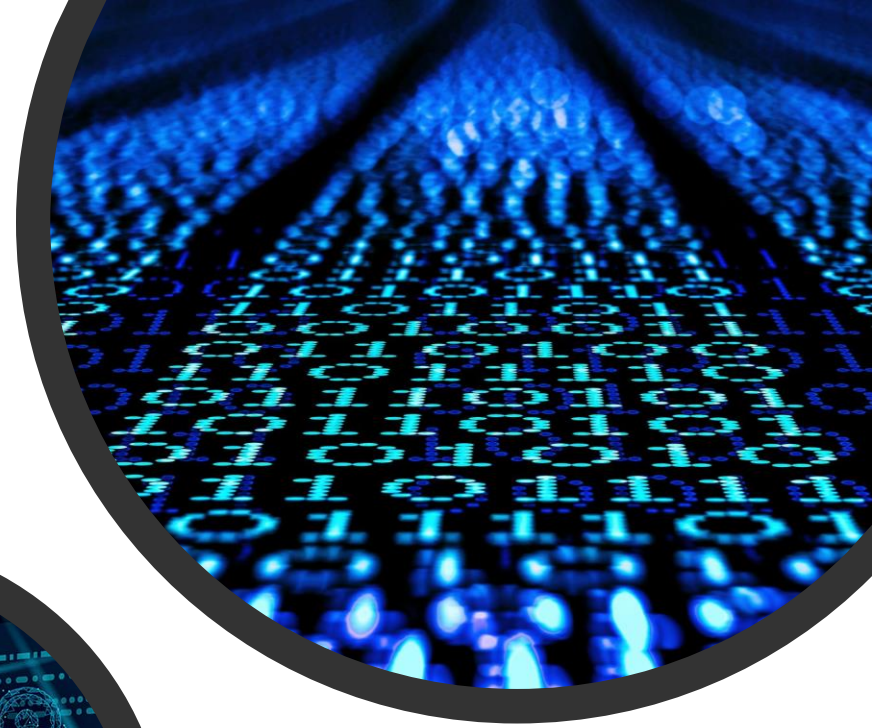
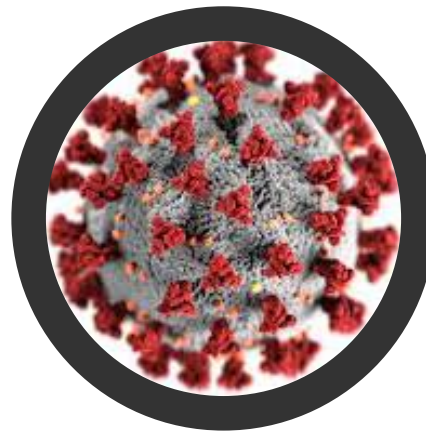
NSTAC REPORT TO THE PRESIDENT

Zero Trust and Trusted Identity Management

February 23, 2022

Context

- Cloud has become the default IT solution for orgs
- Complexity
- Remote working is the preferred option for the workforce
- Highly distributed supply chains
- New Industrial Revolution
- AI, Blockchain, Web3
- Accelerated by exogenous factors



How does it relate to Zero Trust?

- Zero Trust changes the approach to resource protection
- Stop thinking of your organization as a single monolith
- Focus on smaller, manageable, high priority components
- Build your cyber protection around them
- Apply risk prioritization and management

Zero Trust Strategy



**COMMITMENT
IS WHAT
TRANSFORMS
A PROMISE
INTO A REALITY**

ABRAHAM LINCOLN

- Cultural Shift: Embrace continuous risk assessment
- Skepticism to avoid Liabilities: From Emotions-based to Evidence-based decision making
- Leadership Commitment
- Educate the Board, the Executives & the Workforce

Zero Trust Tactics

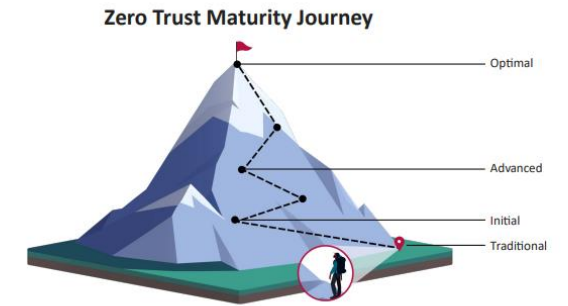
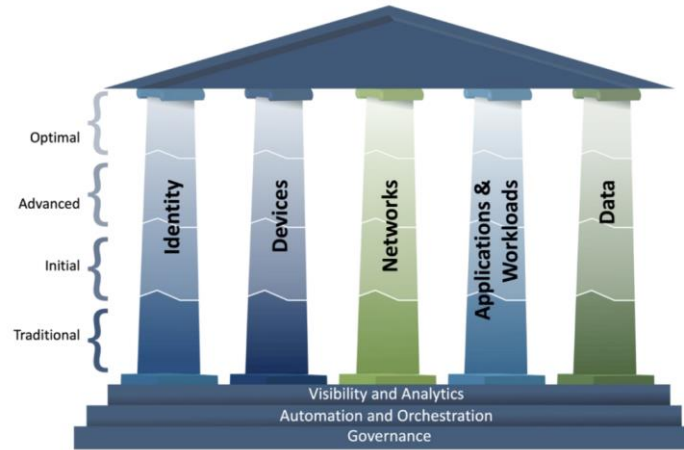
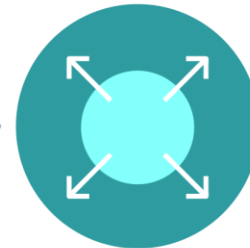


Figure 2: Zero Trust Maturity Journey



Focus on business outcomes



Design from the inside out



Determine who/what needs access



Inspect and log traffic

Will Zero Trust help with AI adoption?

- Yes, it will. Remember ZT is about evidence-based trust
- Training Data
- Deep Fake
- Social engineering
- A more

What you need to do?

- It is primarily about risk management, evidence-based trust and cultural shift
- Understand your needs, your current state and define the goals (use cases)
- Determine which assets (data/services/etc.) are involved / what do you need to protect? What your Protect Surface?
- Determine which entities (humans and non) are involved
- Define/Refine the IAM approach
- Map your data/transaction flows
- Select the service architecture
- Select the ZT implementation model and approach
- Define your policies
- Select the technology
- Monitor and review based on the risk and context

BE AGILE and
EDUCATE, EDUCATE, EDUCATE!

In Summary: Why Zero Trust? Why now?



Evolving Technology

Computer technology continues to shift towards an open but untrusted infrastructure



Workforce Development

Skills gaps are widening with rapidly evolving cybersecurity threats. Zero Trust provides a strategy for individuals and organizations to develop the necessary skills to keep up



Security Gaps

Zero Trust can help address gaps in traditional security models and facilitate a more mature and sustainable approach to security



Emergence of AI

Rapid availability of AI tools makes implementing a Zero Trust strategy critical

Take the first step in your Zero Trust journey.
Earn your CCZT today.

CCZTTM

Certificate of
Competence in Zero Trust

<http://cloudsecurityalliance.org/education/cczt>

Questions?



Contact

Links to the CSA's work on ZT and SDP can be found in the Attachments section.

Training

<https://cloudsecurityalliance.org/education/>

<https://knowledge.cloudsecurityalliance.org/>

Research

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

CSA STAR

https://cloudsecurityalliance.org/star/#_overview

Membership

<https://cloudsecurityalliance.org/membership/>



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