

# DGX Cybersecurity Working Group Update on Zero-Trust

Presented By

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# Working Group Members



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Canada



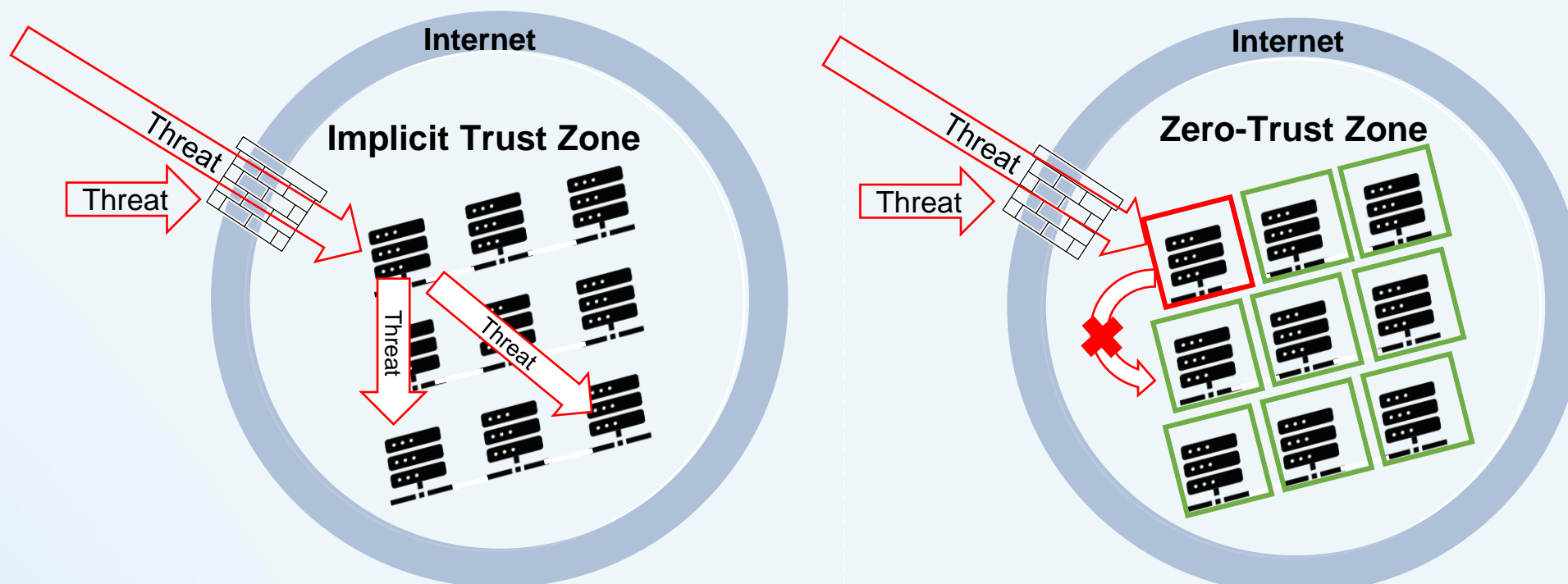
**Kaido TEE**  
Information System  
Authority, Estonia

# Overview of Working Group



- The DGX Working Group for Cybersecurity was formed to examine government cybersecurity best practices and trends.
- The Working Group members shared a common interest on the opportunities and approaches surrounding different implementations the concept of Zero-Trust in Government.

# What is Zero-Trust?



No actor, system, network or service operating outside or within the security perimeter is trusted.

# Zero-Trust adoption is increasing as a response to recent cybersecurity attacks



BRIEFING ROOM

## Executive Order on Improving the Nation's Cybersecurity

MAY 12, 2021 • PRESIDENTIAL ACTIONS

DIVE BRIEF

## Zero trust adoption skyrockets, nearing universal adoption

A report from Okta shows organizations fully embracing zero-trust principles, as hybrid work requires long-term changes to identity management.

Published Aug. 16, 2022

BUSINESS | JOURNAL REPORTS: TECHNOLOGY

## Why Companies Should Have 'Zero Trust' in Their IT Suppliers

Two cybersecurity experts say that tech buyers are at a disadvantage these days in dealing with their suppliers

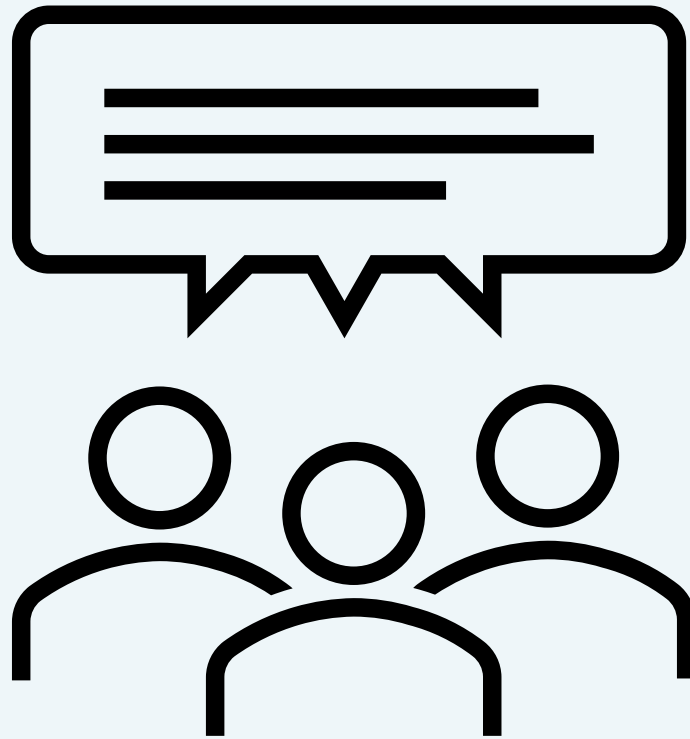
Cloud News ▶

## Google Cloud Unveils New BeyondCorp Zero Trust Security Platform

BY DONNA GOODISON ▶

JANUARY 26, 2021, 03:43 PM EST

# What Did We Find?



1

# Both Government and the industry can drive Zero-Trust



**“Government should take the lead”**

*“The Government faces the greatest threats”*

“The Government is well-resourced”

Opportunities for Public-Private Partnerships



**“The Industry can lead too”**

Businesses are just as exposed & Supply chains are likely targets of sophisticated threats too

The market drives demand for technology

2

## Start with a framework... or go straight to the details

Everybody needs a  
Zero Trust, right?

Today's policies are  
not enough

The devil is in the  
details

Yes, but is it  
something new?

Perhaps. But do we  
need a framework?

Agree!  
Where the rubber  
meets the road matters

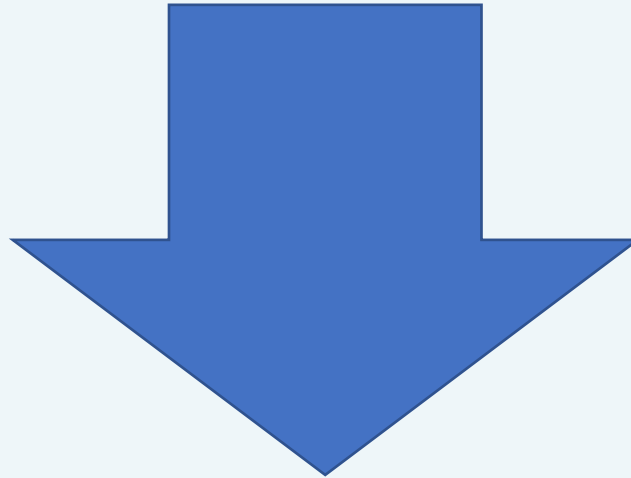


3

## Zero Trust can be initiated top-down or bottom-up.

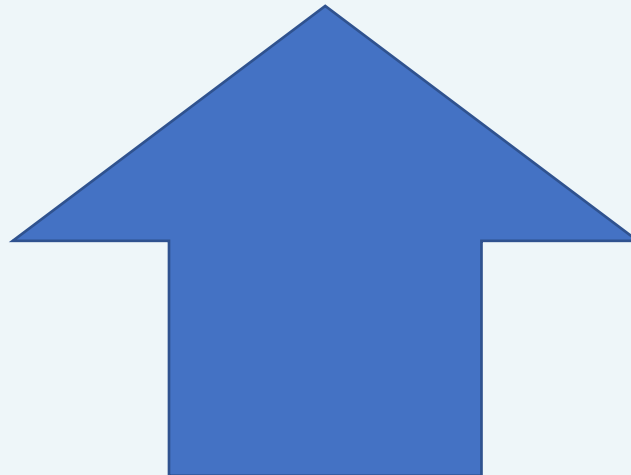
### Top-Down

- Government leads by example
- Start Zero-Trust from the core



### Bottom-up

- Incentivize industry
- Focus on the SMEs



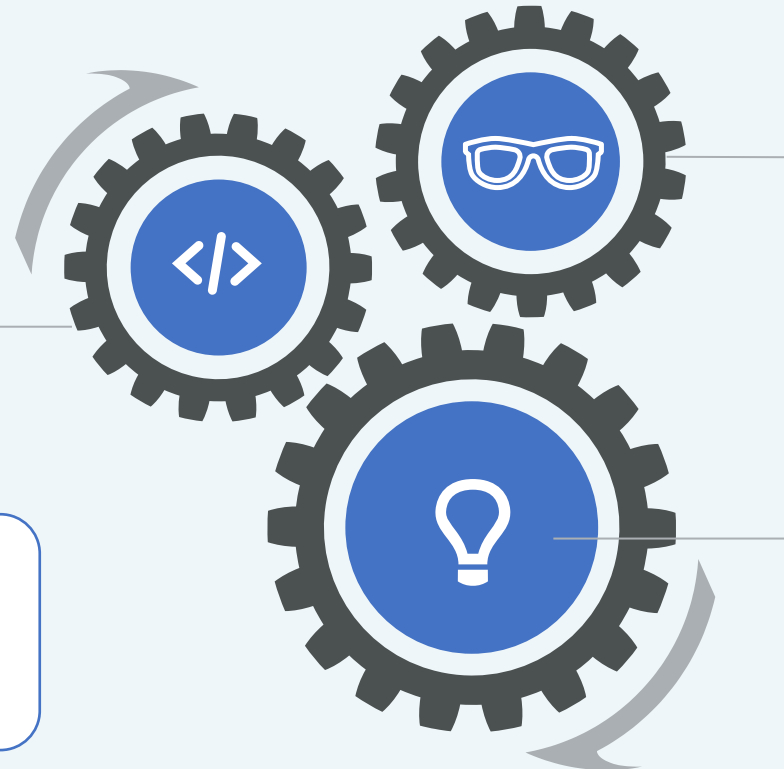
## 4 Is Zero Trust a fad?

*“Will we get over Zero Trust?”*

*“Is Zero Trust here to stay?”*

**Zero-Trust provides a different way of looking at cybersecurity**

*“How do we know if we have arrived?”*



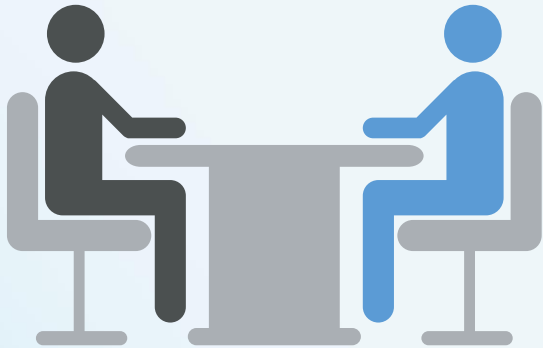
**What we need to do within Zero-Trust will continue to be shaped by threats**

**Capabilities to detect threats are still key**

5

## International Cooperation can facilitate zero-trust implementation

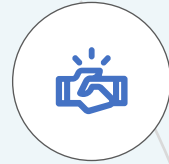
*Why?*



- **Businesses choose countries that favour them**
- **Sharing a similar set of standards lowers barriers to entry for businesses**
- **Similar approaches to zero-trust implementation raise the overall cybersecurity standards**

# Key Working Group Findings So Far – a Summary

## Key Findings



**Both Government and industry can drive Zero-Trust**



**Zero Trust can be implemented with or without a framework**



**Zero Trust can be initiated top-down or bottom-up.**

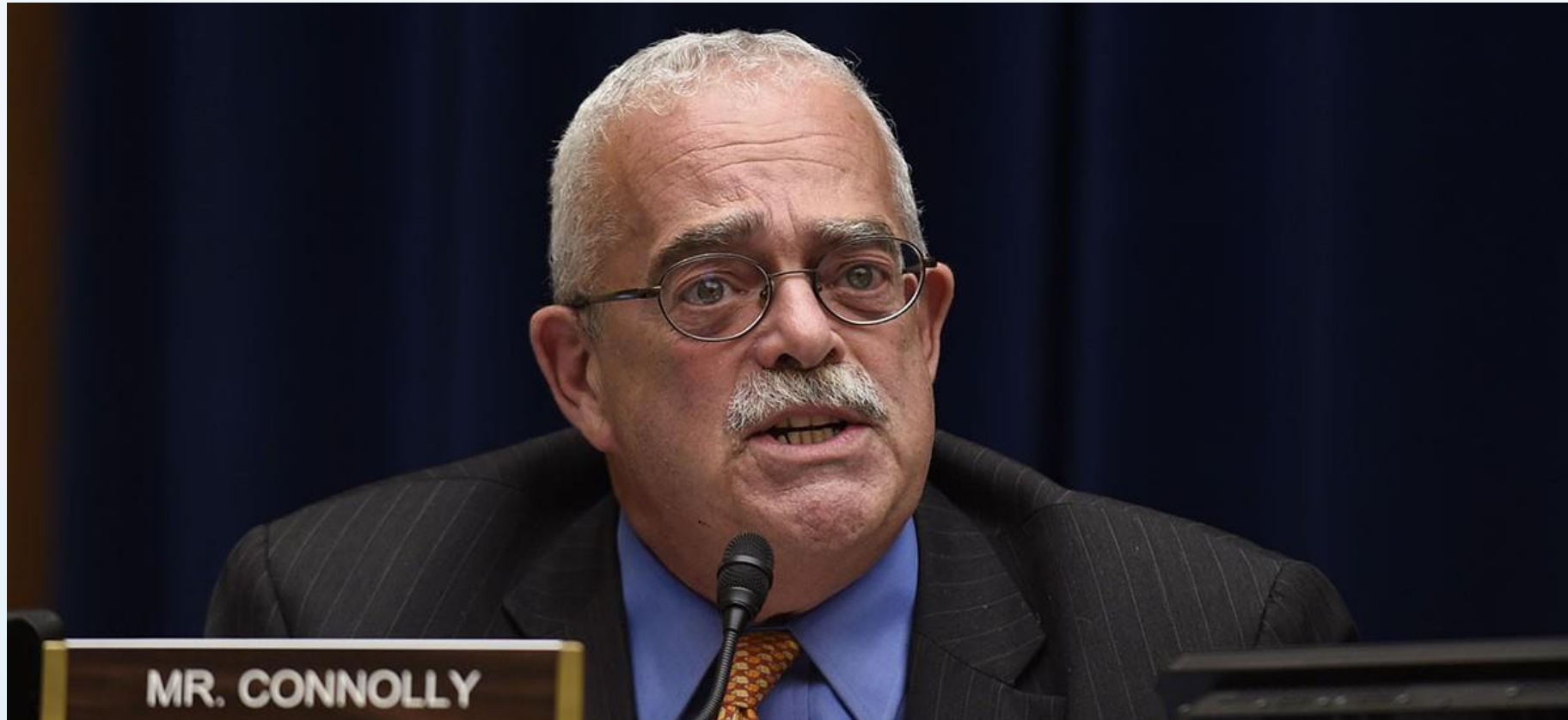


**Is Zero Trust a fad?**



**International Cooperation enhance zero-trust for everybody**

# Case Study: Technology Modernization Fund



# Case Study: Essential Eight



Source: Australian Signals Directorate

# Case Study: Government Zero-Trust Architecture



# Conclusion



- The working group has presented with five key ideas for Zero-Trust implementation.
- Zero-Trust is a moving target. Further updates will be provided as we continue our various implementation journeys.





**Thank You**