A) port Introduction to Gero Trust

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Mo More Chewy Centers

For Security & Risk Professionals



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No More Chewy Centers: Introducing The Zero Trust

Model Of Information Security

by John Kindervag with Stephanie Balaouras and Lindsey Coit

EXECUTIVE SUMMARY

There's an old saying in information security: "We want our network to be like an M&M, with a hard crunchy outside and a soft chewy center." For a generation of information security professionals, this was the motto we grew up with. It was a motto based on trust and the assumption that malicious individuals wouldn't get past the "hard crunchy outside." In today's new threat landscape, this is no longer an effective way of enforcing security. Once an attacker gets past the shell, he has access to all the resources in our network. We've built strong perimeters, but well-organized cybercriminals have recruited insiders and developed new attack methods that easily pierce our current security protections. To confront these new threats, information security professionals must eliminate the soft chewy center by making security ubiquitous throughout the network, not just at the perimeter. To help security professionals do this effectively, Forrester has developed a new model for information security, called Zero Trust. This report, the first in a series, will introduce the necessity and key concepts of the Zero Trust Model.

https://media.paloaltonetworks.com/documents/Forrester-No-More-Chewy-Centers.pdf



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BRIEFING ROOM

Sec. 3. Modernizing Federal Government Cybersecurity.

(a) To keep pace with today's dynamic and increasingly sophisticated cyber threat environment, the Federal Government must take decisive steps to modernize its approach to cybersecurity, including by increasing the Federal Government's visibility into threats, while protecting privacy and civil liberties. The Federal Government must adopt security best practices; advance toward Zero Trust Architecture; accelerate movement to secure cloud services, including Software as a Service (SaaS), Infrastructure as a Service (IaaS), and Platform as a Service (PaaS); centralize and streamline access to cybersecurity data to drive analytics for identifying and managing cybersecurity risks; and invest in both technology and personnel to match these modernization goals.









JEROTROM

A strategy designed to stop data breaches and prevent other cyber-attacks from being successful by eliminating trust from digital systems.



Some Gero Trust Misconceptons



Zero Trust means making a system trusted



Zero Trust is about identity

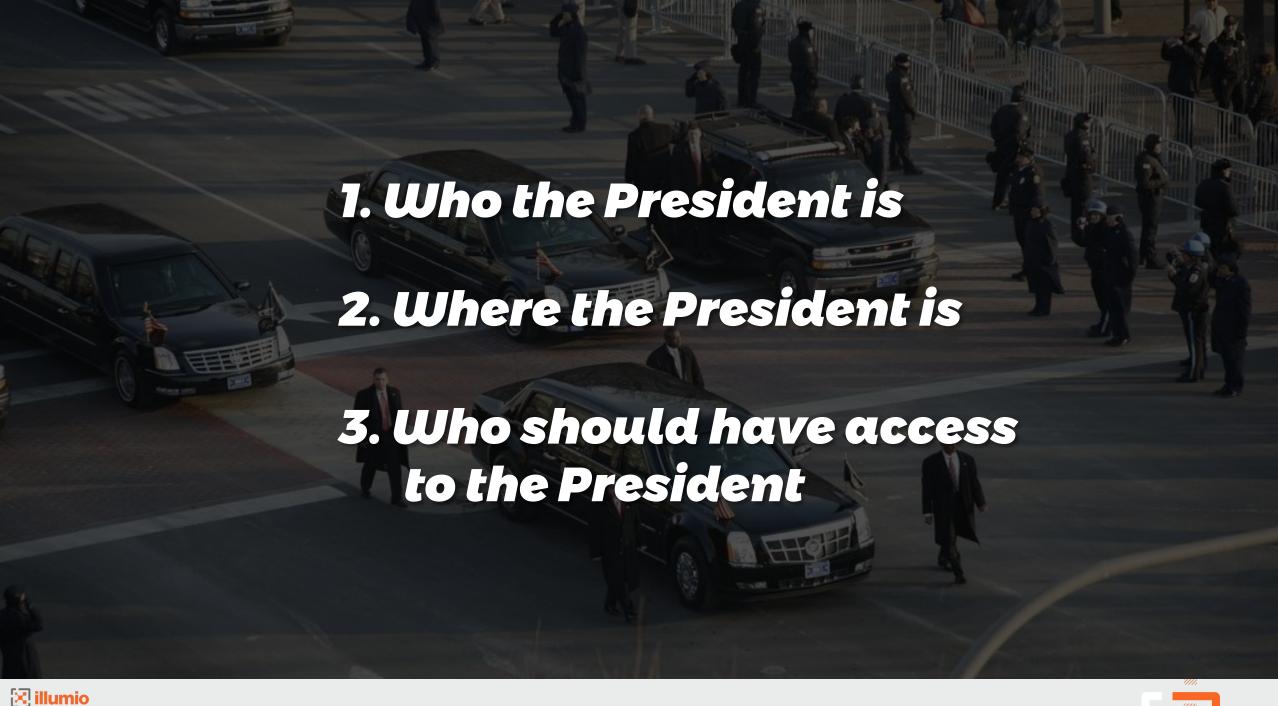


There are Zero Trust products

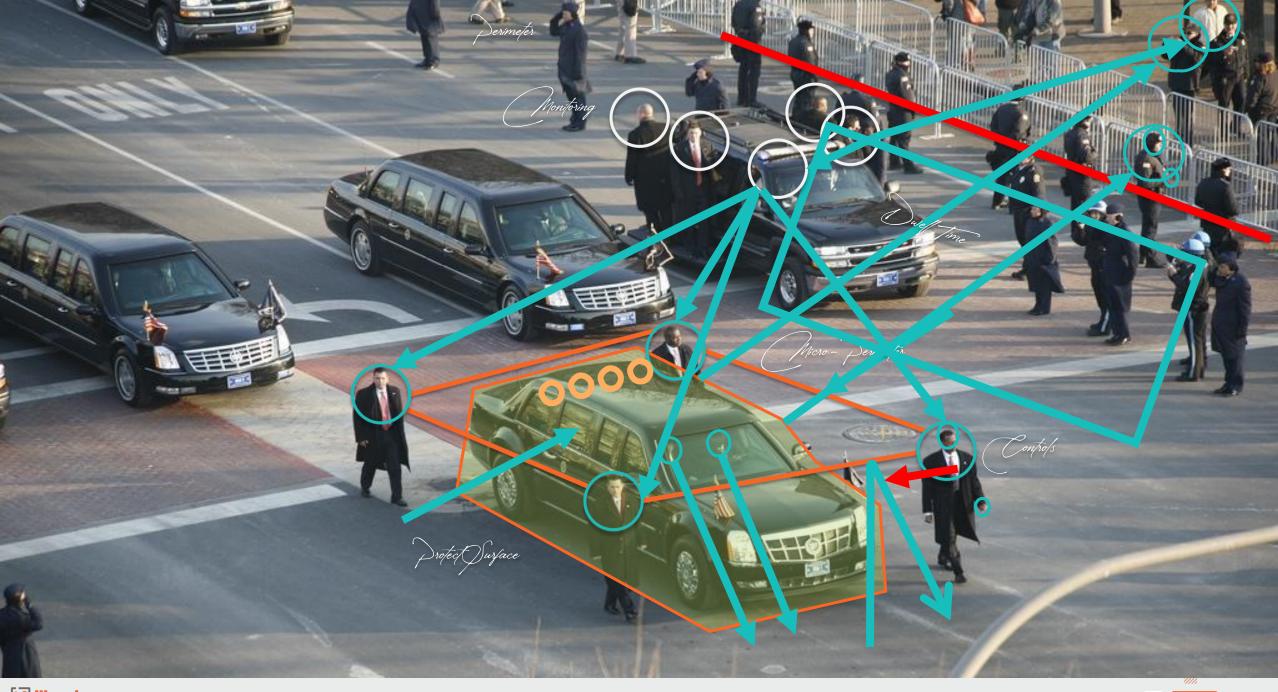


Zero Trust is complicated

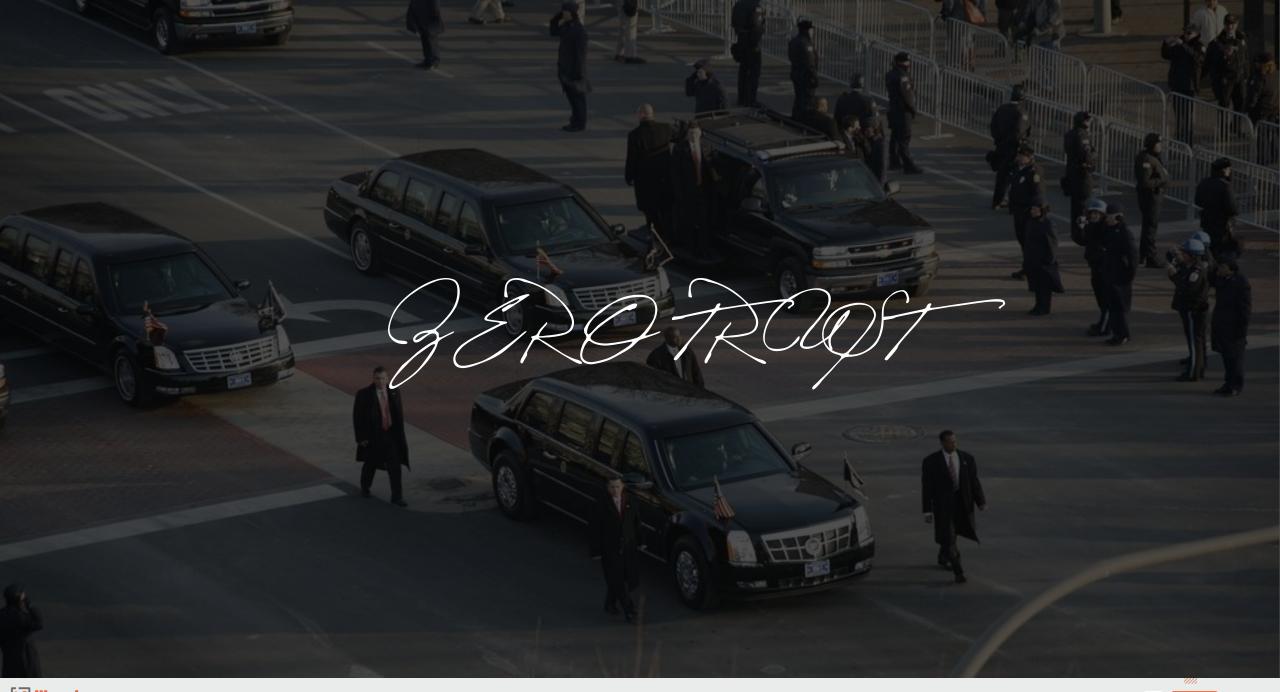






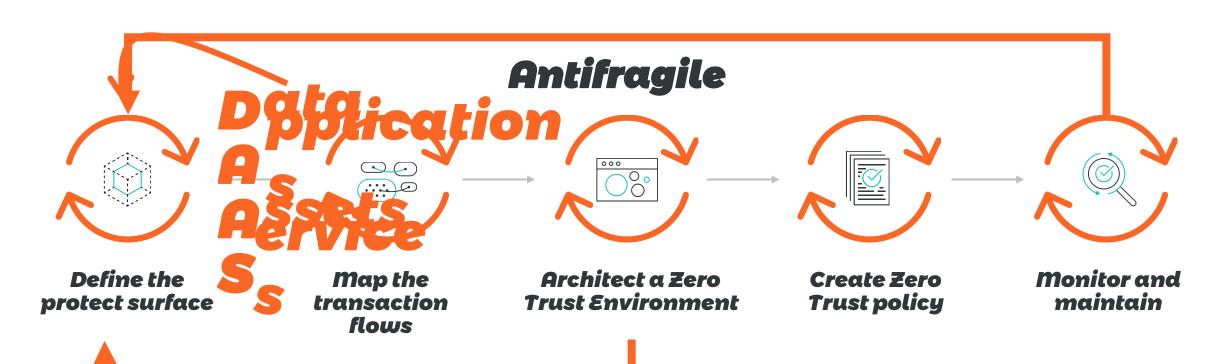








The 5 Step Mefrodology for Deploying Zero Trust Juiges Your Journey



Tailor Made

My Mission Change fie Zero Trust Warrapte

From Identity to Segmentation as the key technology focus





Degmentation is Ley to Gero Trust

"all future networks need to be segmented by default"

Zero Trust Network Architecture Characteristics: Segmented, Parallelized, And Centralized

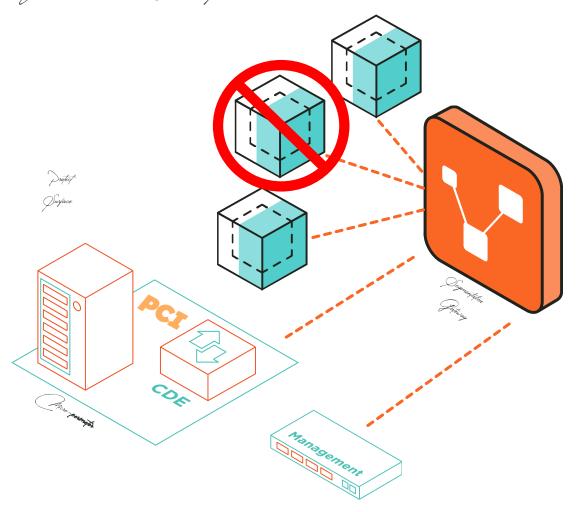
The Zero Trust Model of information security can embolden network designers to do unique and powerful things. It will engender infrastructure and security professionals to build security into networks by default. Current designs merely overlay existing networks with more and more controls.

Some networkers advocate the use of virtual LANs (VLANs) for segmentation purposes, but they are highly insecure. Think of VLANs as the yellow line on the road. Traffic is not supposed to cross that yellow line, but there's nothing preventing a vehicle from doing so. In the same way, VLANs define a network traffic isolation policy, but they aren't technologically capable of preventing a malicious actor from moving between VLANs and gaining access to privileged information.² Therefore, new ways of segmenting networks must be created because all future networks need to be segmented by default.

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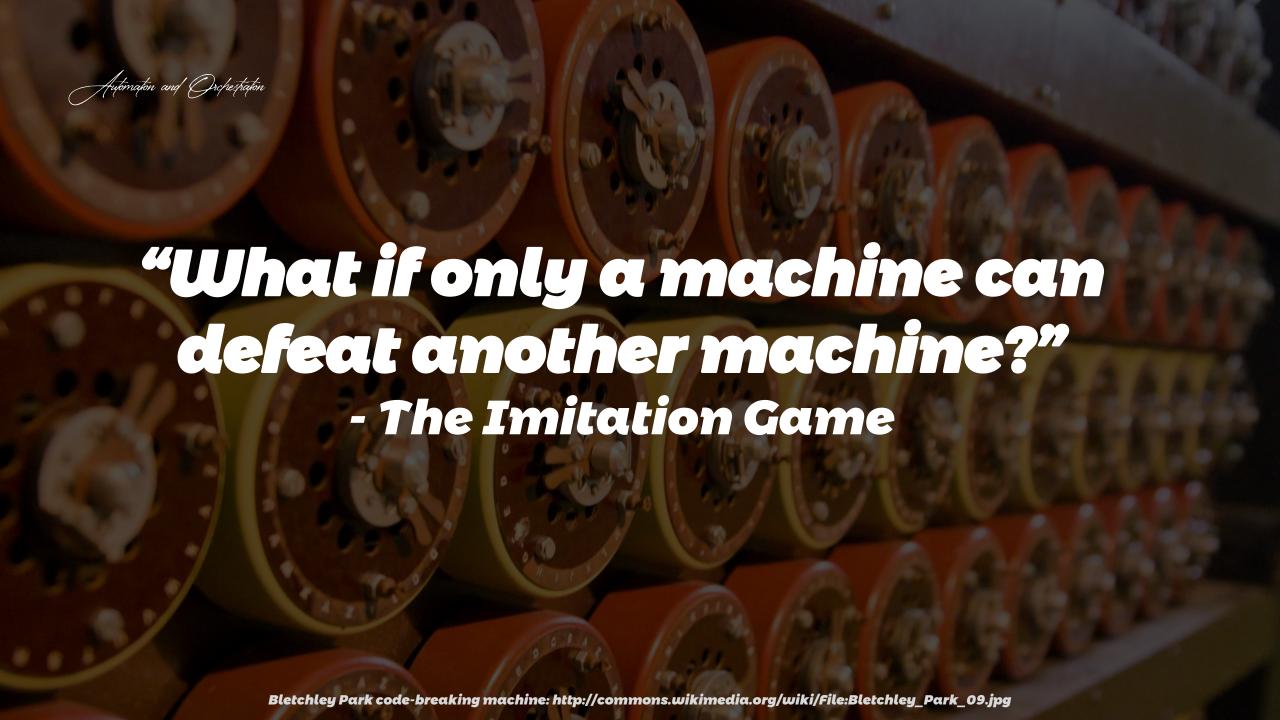


Zero Trust Defines Metvork Segmentation

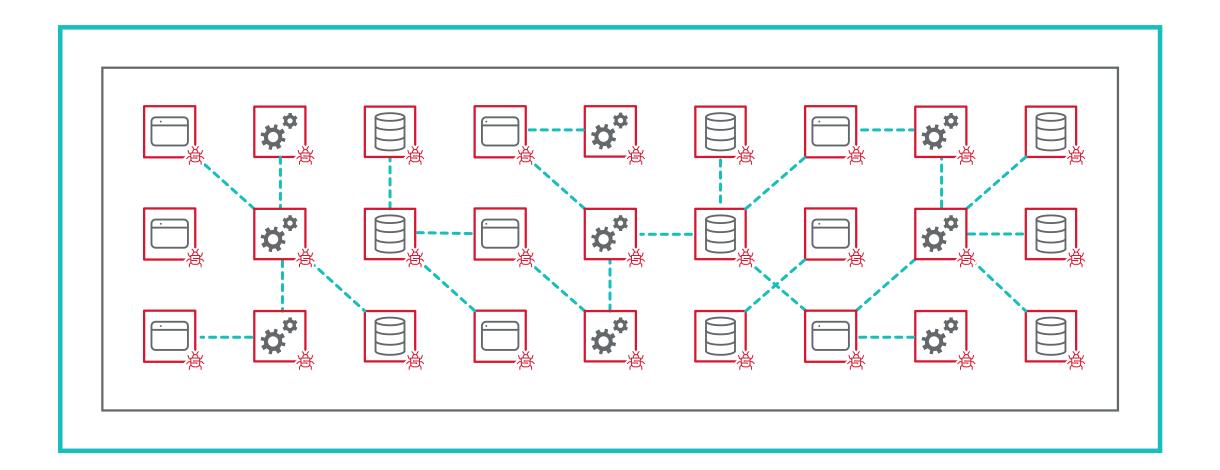


- 1. Why are you segmenting?
- 2. How are you enforcing Segmentation?



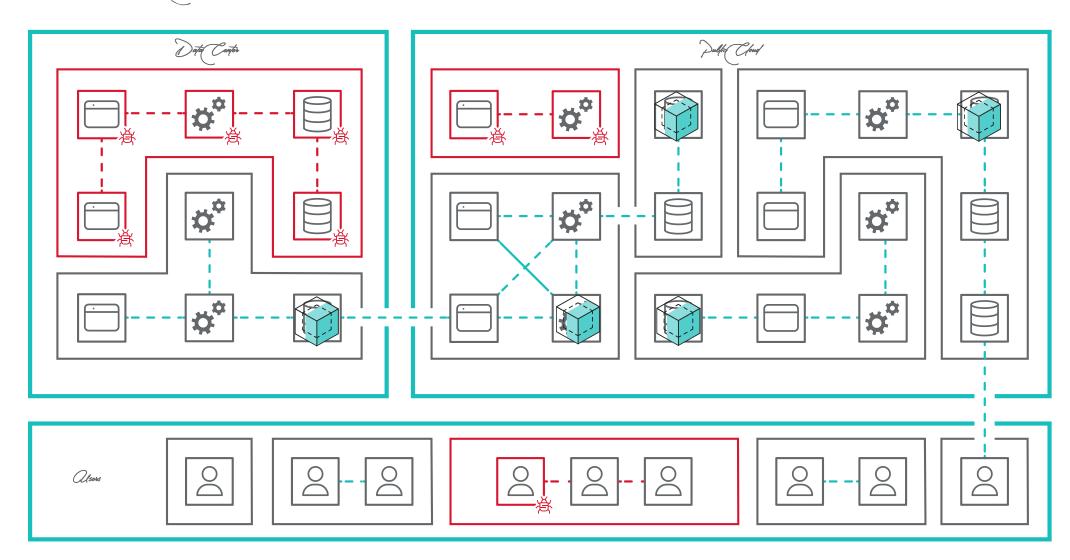


Hat Networks Are Dangerous



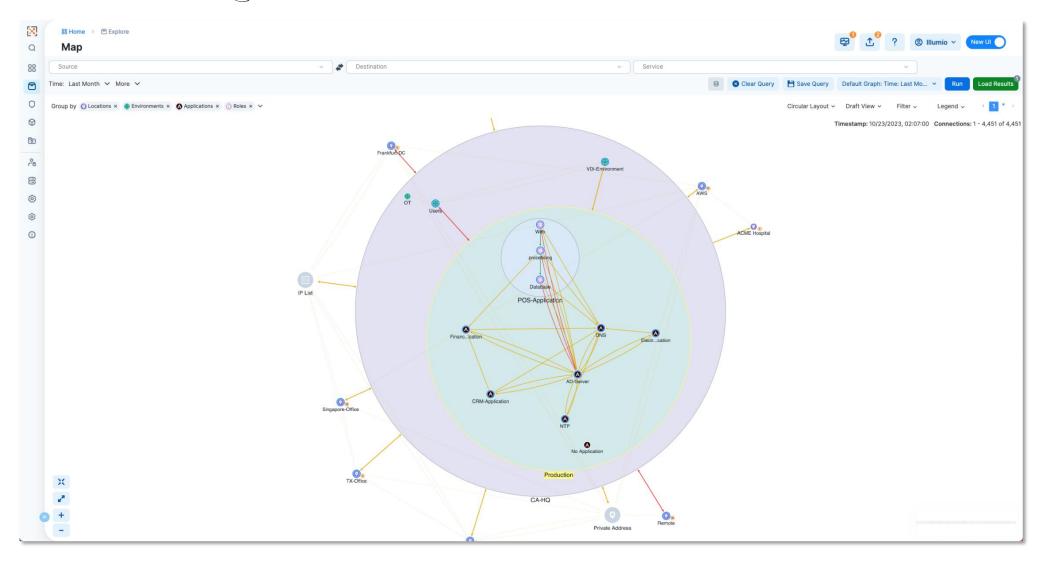


Zero Trust Degmentation Creates Protest Durfaces





Thakes Gero Trust Easy to Consume







KEEP IN TOUCH

John

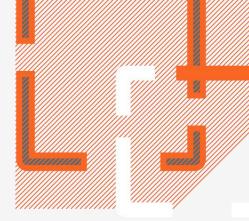
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Thank you

