

ZERO TRUST ARCHITEKTURA V PRAXI

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- What is Zero Trust?
- Zero Trust Is Strategic
- Zero Trust Drives Business Value
- Zero Trust is Implementable

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TRUST is a dangerous

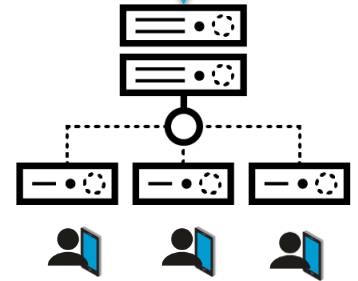
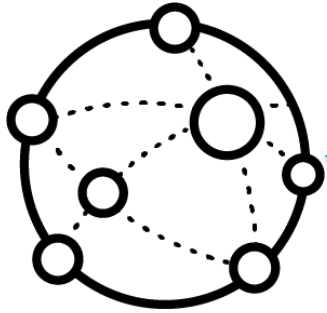
VULNERABILITY

that is **EXPLOITED**

by

MALICIOUS actors

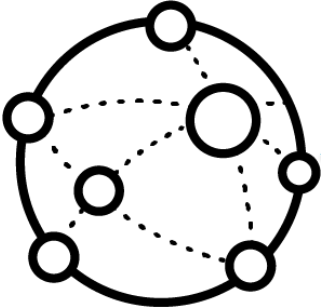
Which one goes to the internet?



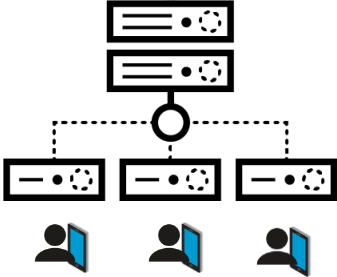
Malicious Insiders

- Snowden
- Manning

Zero Trust



People are NOT Packets!



ZERO TRUST DESIGN CONCEPTS



Define business
outcomes



Design from the
inside out



Determine who/what
needs access



Inspect and log
all traffic



1. Who the President is...
2. Where the President is...
3. Who should have access
to the President...



Perimeter

Monitoring

Zero

Micro-Perimeter

Controls

Trust

Protect
Surface



An aerial photograph of a presidential motorcade on a city street. Several black limousines are visible, some with American flags on the front. Security personnel in dark uniforms are positioned around the vehicles, and metal barricades line the right side of the road. The words "Zero Trust" are overlaid in large, white, sans-serif font across the center of the image.

Zero Trust

- What is Zero Trust?
- **Zero Trust Is Strategic**
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- Zero Trust is Implementable

The Four Levels of Strategic Engagement

Grand Strategy

The Ultimate Goal

Strategy

The Big Idea

Tactics

The Things You Use

Operations

The Way You Use Them

The Four Levels of Cyber War

Grand Strategy

Stop Data Breaches

Strategy

Zero Trust

Tactics

Tools/Technologies

Operations

Platform/Policies

Zero Trust is the world's only Cybersecurity Strategy

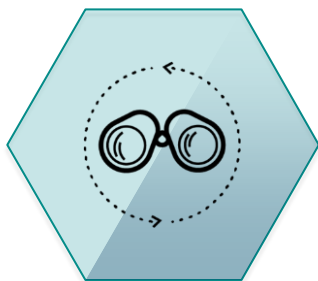


“Zero trust would have profoundly limited the attacker’s ability to move within OPM’s network and access such sensitive data.”

Source: Adopting a zero trust cyber model in government: <http://federalnewsradio.com/commentary/2016/09/adopting-zero-trust-cyber-model-government/>

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Zero Trust Business Benefits



Improved
Visibility



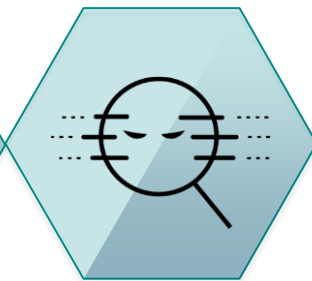
Stop Malware
Propagation



Cost Savings



Compliance



Stop Data
Exfiltration



Data
Awareness

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5 STEPS TO A ZERO TRUST NETWORK



1. Define your Protect Surface



Next-Generation Firewall



VM Series



Magnifier



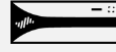
Logging Service



Transformation Services



2. Map the transaction flows



Next-Generation Firewall



VM Series



Magnifier



Logging Service



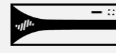
Traps



Transformation Services



3. Architect a Zero Trust network



Next-Generation Firewall



VM Series



Magnifier



Logging Service



Traps



GlobalProtect



GP cloud service



Transformation Services



4. Create Zero Trust Policy



Panorama



WildFire



Threat Prevention



URL Filtering



Aperture



DNS Service



Transformation Services



5. Monitor and maintain the network



AutoFocus



Logging Service



Magnifier



MineMeld



Evident



Redlock



Transformation Services

NEXT STEPS



Build a Zero Trust center of excellence



Get engaged with a Zero Trust workshop



Start low risk vs. the crown jewels

THANK YOU

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