



Cisco Zero Trust

Architektura v době cloudové

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ITAPA, November 13th, 2019

Shift in IT Landscape

Users, devices and apps are everywhere



Remote Users,
Contractors &
Third-Parties



Personal &
Mobile Devices



IoT Devices



**Evolving
Perimeter**



Cloud
Applications



Hybrid
Infrastructure



Cloud
Infrastructure

Threats Today, As a Result

A new approach to security is needed – zero trust – to address identity, app & network threats.



Targeting Identity

81% of breaches involved
compromised credentials



Targeting Apps

54% of web app vulnerabilities
have a public exploit available



Targeting Devices

300% increase in IoT malware
variants

Enabling Secure Access

Take a zero-trust approach to security to secure access across your entire IT environment.



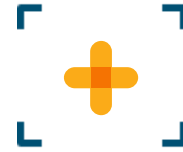
Prevent Risks

Reduce risk of a breach before it happens



Gain Visibility

Identify risks and indicators of a breach of trust



Reduce Attack Surface

Contain breaches and stop attacker lateral movement

The Zero Trust Approach

Enable policy-based controls for every access request in a corporate environment

See who and what is accessing applications, workloads & the network

Segment your network & workloads by enforcing granular controls

Cisco Zero Trust

A zero-trust approach to securing access across your applications and environment, from any user, device and location.



Workforce

How to Verify Trust



Verify users' identities

WITH

Multi-factor authentication (MFA)

Gain device visibility & establish trust

WITH

Endpoint health & management status

Enforce access policies for every app

WITH

Adaptive & role-based access controls

Workloads

How to Verify Trust



Gain visibility into what's running & what's critical

BY

Identifying workloads & enforcing policies

Contain breaches & minimize lateral movement

WITH

Application micro-segmentation

Alert or block communication if policy is violated

BY

Continuously monitoring & responding to indicators of compromise

Workplace

How to Verify Trust



Grant the right level
of network access to
users and devices

WITH

Network
authentication &
authorization

Classify & segment
users, devices & apps
on your network

WITH

Network
segmentation

Contain infected
endpoints and
revoke network
access

BY

Continuously
monitoring &
responding to threats

Extended Protection

Complementary products to extend trust for any app, any workload & any network.

Workforce

Cloud & On-Prem Apps

Workload

Hybrid & Multi-Cloud

Workplace

LAN, WAN, SD-WAN, ACI

+ Extend Trust

Umbrella

AMP

Next-Generation Firewall

AnyConnect

ACI

CloudLock

Meraki

Email Security

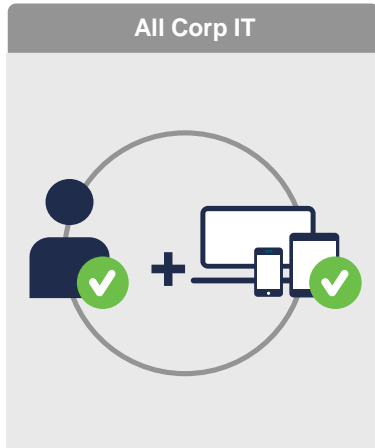
+ Detect & Respond

Cisco Threat Response (CTR)

Stealthwatch

Cisco Zero Trust

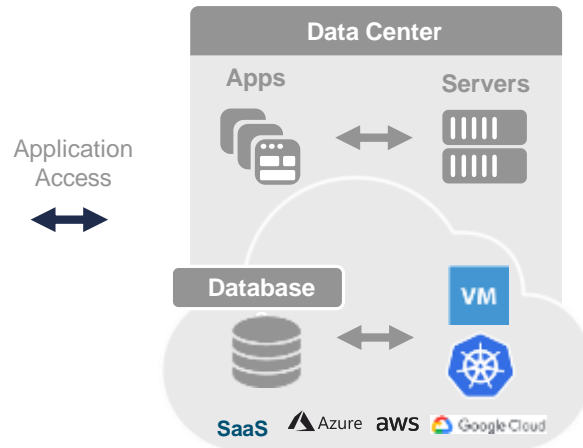
Secure the Workforce
With Duo



User & Device Access

MFA + Device Trust

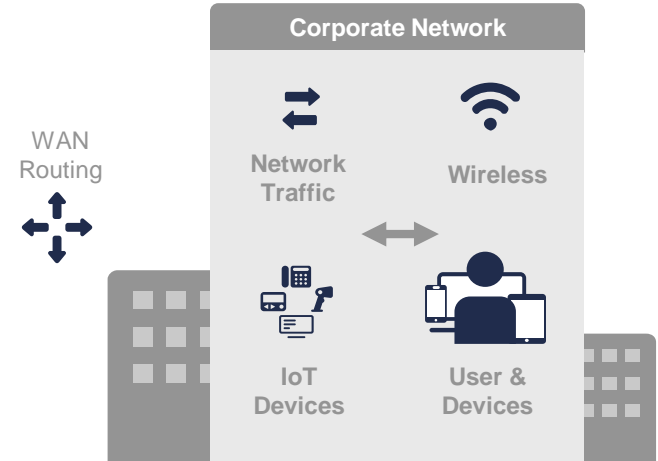
Secure Your Workloads
With Tetration



Workload Access

Application Micro-Segmentation

Secure the Workplace
With Software-Defined Access



Network Access

Network Segmentation

Visibility

Policy

Enforce

Report



Thank you!