

Nový standart – práce s kanceláře nebo z domova?

Cisco Zero Trust Network Access

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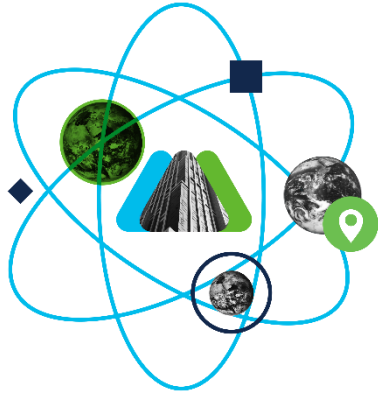
11th November 2021



The way we do
business has
changed



Solving Challenges



Increased complexity



Increased attack surface



Gaps in visibility

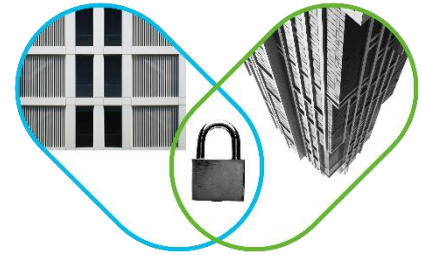
Primary Use Cases



Secure
remote access

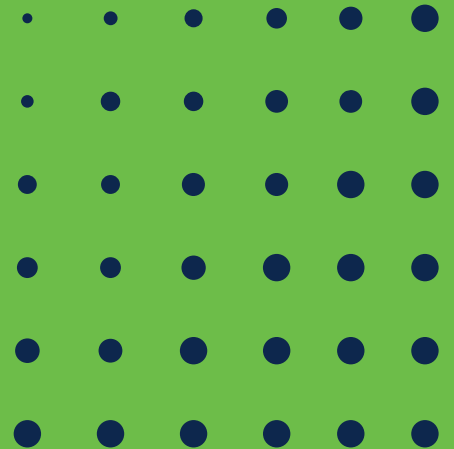


Secure
multi-cloud access



Threat mitigation/
breach defense

The Approach



Cisco Secure Zero Trust



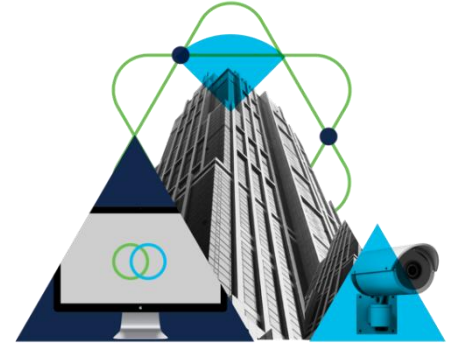
Workforce

Ensure only the right users and secure devices can access applications.



Workloads

Secure all connections within your apps, across multi-cloud.



Workplace

Secure all user and device connections across your network, including IoT.

A comprehensive approach to securing all access across your networks, applications, and environment.

Cisco Zero Trust Approach



Workforce
User and device access



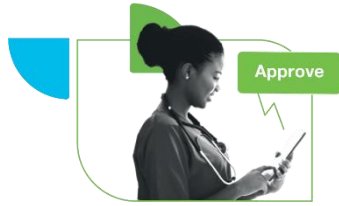
Workload
Application and workload access



Workplace
Network access

Who or What	People & their Devices (Laptop, Mobile, Tablet)	Apps, Services, Microservices	IT Endpoints & Servers, Internet of Things (IoT) Devices, Industrial Control Systems(ICS)
Trust Verification	Accessing Applications	Communicating with Other Systems	Accessing the Network
From	Anywhere	On-Premises, Hybrid Cloud, Public Cloud	On-Premises, Hybrid Cloud, Public Cloud

Cisco Zero Trust Tenants



Establish trust



Enforce trust-based
access



Continuously
verify trust

Where to Start



Workforce
User and device
access

Cisco Secure Access by Duo

Is the user who they say they are?

Do they have access to the
right applications?

Is their device secure?

Is their device trusted?



Workload
Application and
workload access

Secure Workload

What applications are
used in the enterprise?

What is communicating
with applications/data?

Is communication with the
workload secure and trusted?



Workplace
Network access

ISE, SDA, Cisco CyberVision

Do users and devices authenticate for
network access?

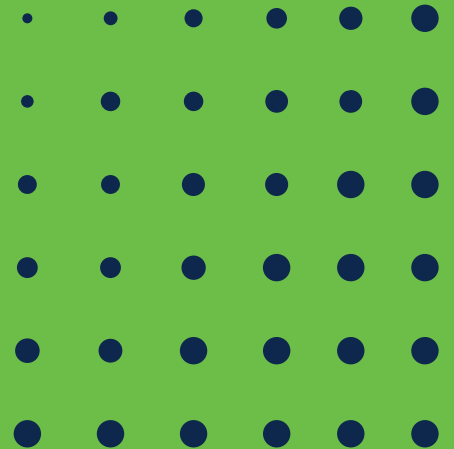
What access are they granted?

Are devices on the network secure?

Is their network
segmentation based on trust?

Access happens everywhere—how do you get visibility and ensure secure, trusted access?

The Solutions



Zero Trust for Workforce



Primary Use Case: Secure Remote Access

Establish trust level for users and their devices accessing applications and resources.

Zero Trust for the Workforce

Get Started with Secure Access by Duo

Ensure only the right users and secure devices can access applications.

Problems Solved

- Phishing
- Malware
- Credential Theft
- Remote Access
- Device Security (BYOD)

Workforce

How to verify trust



Verify users' identities

With

Multi-factor authentication (MFA)



Gain device visibility and establish trust

With

Endpoint health and management status



Enforce access policies for every app

With

Adaptive and role-based access controls

Zero Trust for Workload



Primary Use Case:
Secure Multi-Cloud Access

Restrict access to workloads based on risk, contextual policy and verified business need.

Zero Trust for the Workloads

Get Started with Secure Workload

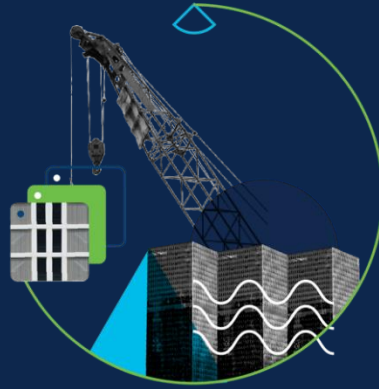
Secure all connections within your apps, across multi-cloud.

Problems Solved

- Complete Application Visibility
- Comprehensive Policy Enforcement
- Contain Breaches
- Prevent Lateral Movement

Workloads

How to verify trust



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

By

Identifying workloads and
enforcing policies



Contain breaches and
minimize lateral movement

With

Application
micro-segmentation



Alert or block communication if
policy is violated

By

Continuously monitoring
and responding to indicators of
compromise

Zero Trust for Workplace



Primary Use Case:

Network Visibility and
Segmentation

Establish least privilege
access control for all users
and devices, including IoT,
accessing your networks.

Zero Trust in the Workplace

Get Started with SD-Access

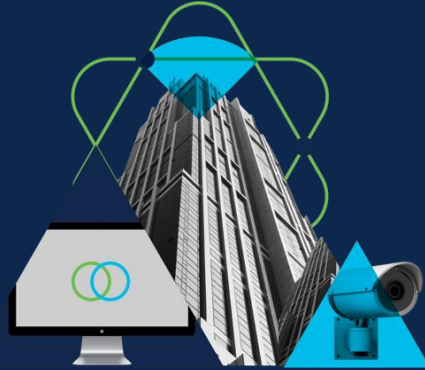
Secure all user and device connections across your network, including IoT.

Problems Solved

- Complete Network Visibility
- Prevent Unauthorized Access
- Contain Threats

Workplace

How to verify trust



Grant the right level of network access
to users and devices

With

Network authentication
and authorization



Classify and segment users, devices and
apps on your network

With

Network
segmentation



Contain infected endpoints and revoke
network access

By

Continuously monitoring and
responding to threats

Extend Trust for the Workplace



Secure Firewall

With deep network and security visibility, you can detect and stop threats fast before they reach your workforce, workloads, and workplace.

[Learn more about NGFW](#)



SD-WAN

Software-defined WAN securely connects any user to any app, from the WAN to cloud edge, providing a consistent user experience.

[Learn more about SD-WAN](#)



AnyConnect

Provide secure access to the workforce and workplace, as well as more insight into user and endpoint behavior across your entire enterprise.

[Learn more about AnyConnect](#)

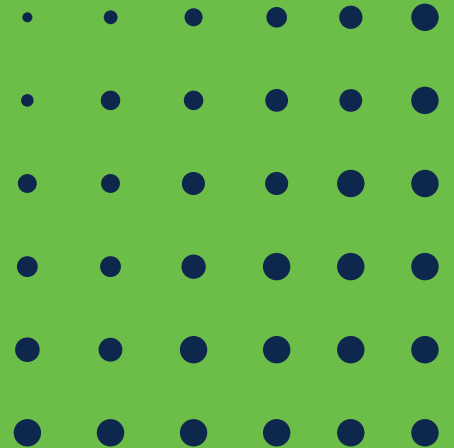


Secure Web

Automatically block access to risky sites and test unknown sites before allowing users to link to them; detect zero-day attacks quickly; and create and enforce granular policies for sites with embedded applications.

[Learn more about WSA](#)

Why Cisco Zero Trust?



Helps with Compliance and Regulatory Controls

Common industry data compliance standards like HIPAA, PCI DSS, NIST, etc. require:

- Access controls
- Privileged access control
- Network segmentation
- Multi-factor authentication
- Vulnerability management



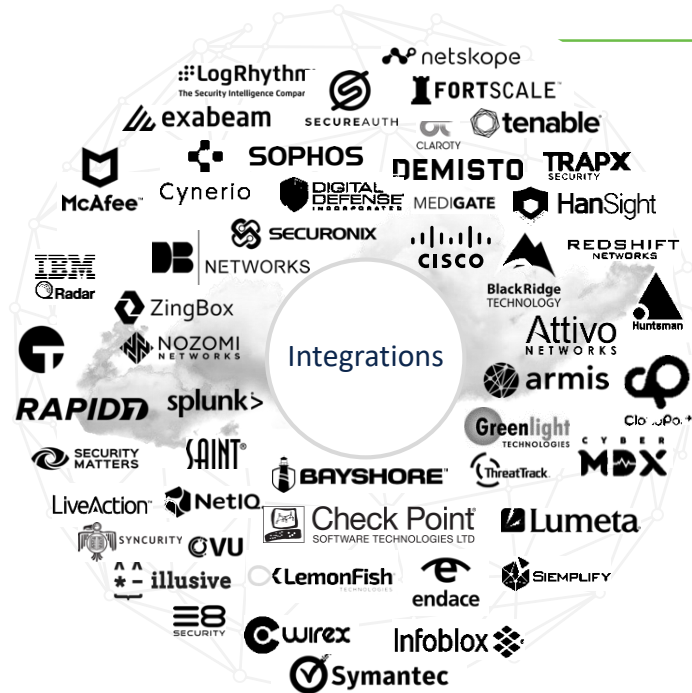
Platform That Connects the Entire Infrastructure



- Integrate everything
- Unify visibility
- Enable automation
- Strengthen security

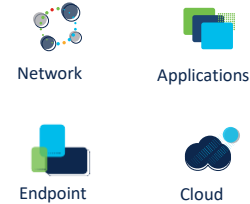
SecureX and Zero Trust

Combing threat and trust centric security with the **power of integrations** and the **simplicity of operations**



More cross-team use cases simplified with visibility and automation

Cisco Security



CISCO **SECURE X**

More integrated products across partner ecosystem and beyond



Your infrastructure

Cisco Zero Trust Differentiators

✓ Layered security

✓ Scalability

✓ Security depth

✓ Broadest coverage

✓ Cisco ZT services

✓ Future focus

+ Extend Trust



Technology Partner Alliance 170+

+ Build Trust



Automate security

Secure cloud resources
and applications

Monitor and analyze security events

Cisco is Named a Leader in Zero Trust

“Cisco pushes the Zero Trust envelope the right way”

The Forrester Wave™: Zero Trust extended Ecosystem Platform Providers, Q3 2020

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THE FORRESTER WAVE™

Zero Trust eXtended Ecosystem Platform Providers

Q3 2020



Why Cisco Zero Trust?



>500M

authentications a month



>100M

protected users



100%

of Fortune 100



>1B

protected endpoints

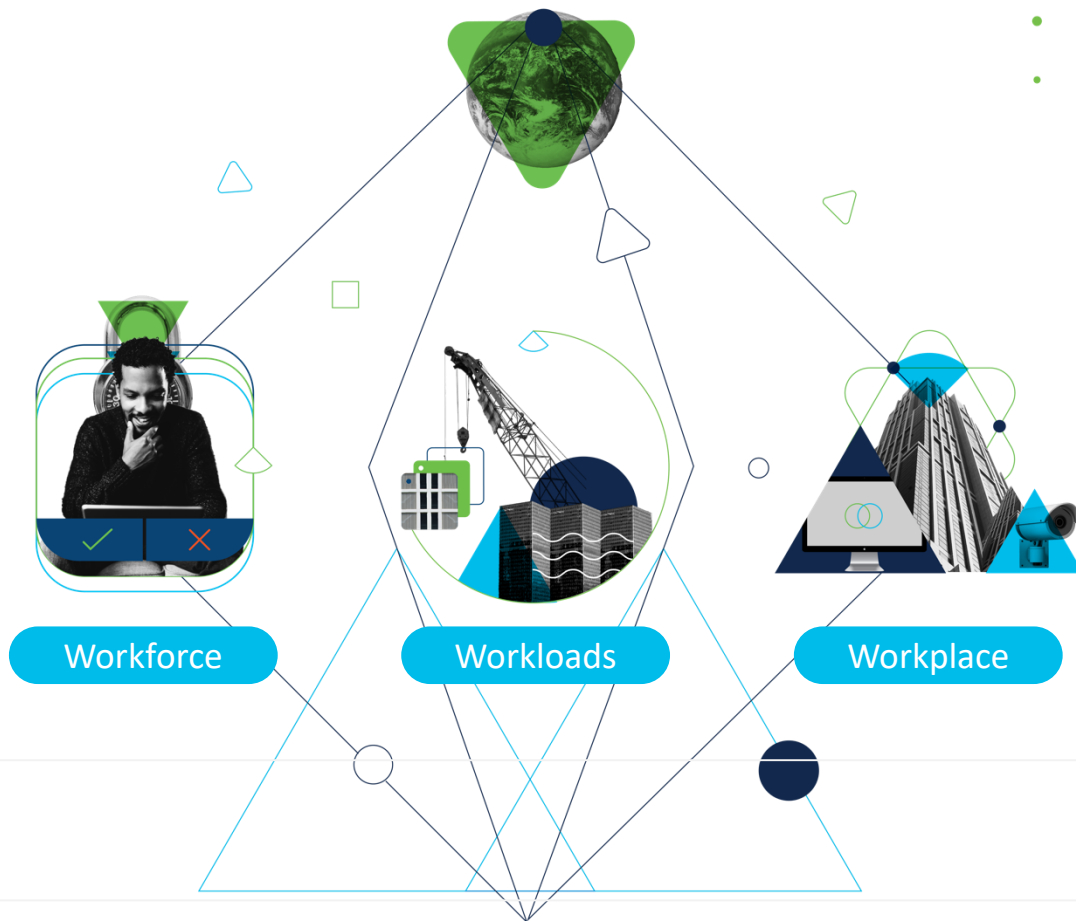


>20B

threats blocked daily

Cisco Zero Trust

A comprehensive approach to securing all access across your networks, applications, and environment.





THANK YOU



SECURE