CISCO
SECURE

cisco The bridge to possible

Hrady patří do středověku

BEZPEČNOST V DOBĚ CLOUDOVÉ

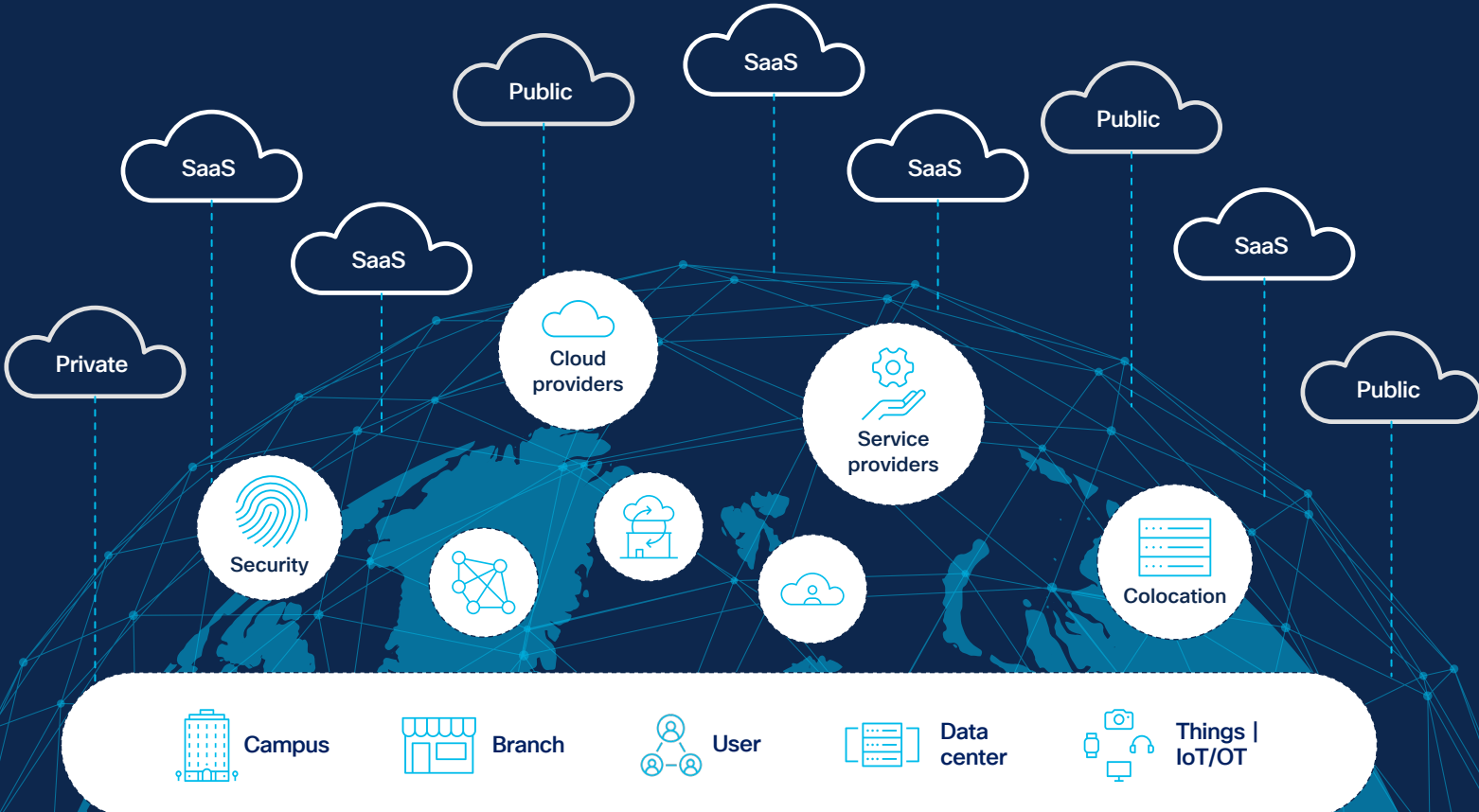Milan Habrcetl, Cisco Cybersecurity Specialist
mhabrcet@cisco.com

5.9. 2023

Highly distributed and diverse **IT landscape** makes secure connectivity hard

41% Say securing user access to cloud-based applications and mobile devices or cloud-based solutions is their biggest obstacle

86% See having a consistent operational model across on-prem, private cloud, public cloud, and SaaS as important

85% Say they value simplicity when it comes to technology management

SaaS · Public · SaaS · Public · SaaS · SaaS · SaaS · Public

Private · Cloud providers · Service providers · Colocation

Security

Campus · Branch · User · Data center · Things | IoT/OT

Hybrid work era creates unmanageable risk

Highly distributed environments make secure connectivity hard

85%

Not adequately prepared to handle cybersecurity threats*

Current patchwork approach exacerbates the problem

More products leads to more complexity <u>within</u> your business and IT environment

Exfiltration

Ransomware

Lateral movement

Web threats

Stolen credentials

Spam

Vendor B
Vendor C
Vendor E
Vendor A
Vendor D
Vendor F

76

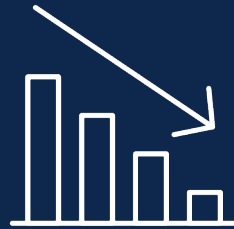Average number of security tools per enterprise

78%

Organizations report that high number of security tools is driving cybersecurity complexity*
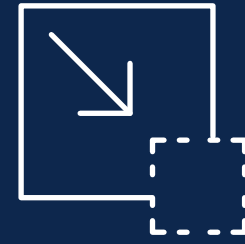
Customer top priorities address the challenges

Boost Productivity
Empower users to
do their best work

Optimize Costs
Address inefficiencies

Minimize Risk
Secure your organization

SASE/SSE approach is the technology foundation

Fundamental to your security strategy for a hyper-distributed world

SASE brings networking & security capabilities into a single-service, cloud-native model to address today's challenges.

65% plan on adopting SSE in next 2 years

SASE

Converged set of **cloud networking**
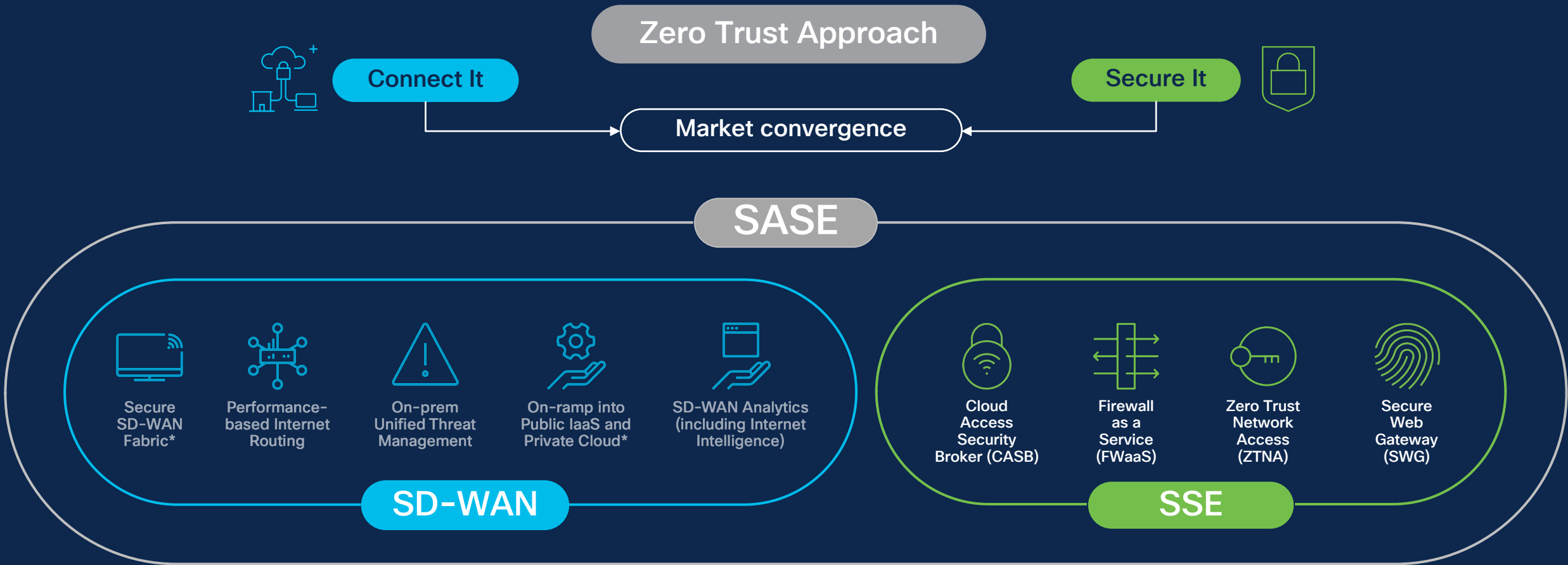
SD-WAN

Converged set of **cloud security**

SSE

SASE/SSE approach is the technology foundation

Fundamental to your security strategy for a hyper-distributed world

Zero Trust Approach

Connect It

Secure It

Market convergence

SASE

SD-WAN

Secure SD-WAN Fabric*

Performance-based Internet Routing

On-prem Unified Threat Management

On-ramp into Public IaaS and Private Cloud*

SD-WAN Analytics (including Internet Intelligence)

SSE

Cloud Access Security Broker (CASB)

Firewall as a Service (FWaaS)

Zero Trust Network Access (ZTNA)

Secure Web Gateway (SWG)

*with support for remote workers

Customer priority use cases

Secure Internet Access

Internet apps

SaaS apps

+

Secure Private Access

Private apps

=

Security Service Edge

Secure Access from anywhere to everywhere

Cisco Secure Access

Modernize your defense with converged cloud security grounded in zero trust

Better for Users
Empower their best work with a frictionless user experience

Easier for IT
Lower cost and increase efficiencies

Safer for Everyone
Reduce risk and improve business resilience

Imagine cybersecurity that's
safer and easier for everyone

Introducing Cisco Secure Access

Modernize your defense with converged cloud security grounded in zero trust

Remote users

Managed and
unmanaged devices

IoT devices

**Cisco Secure
Access**

Most complete security service
edge (SSE) solution accelerates
your SASE journey

Web

Public SaaS
apps

Private apps

From anywhere

To anything

Go beyond core Security Service Edge (SSE)

Better connect and protect your business

Core SSE

Secure Web Gateway (SWG)

Cloud Access Security Broker (CASB) and DLP

Zero Trust Network Access (ZTNA)

Firewall as a Service (FWaaS) and IPS

Cisco delivers the core and more in a single subscription...

DNS Security

Multimode DLP

Advanced Malware protection

Sandbox

Talos Threat Intelligence

VPN as a Service

Digital Experience Monitoring*

Remote Browser Isolation

Add-on solutions

SD-WAN
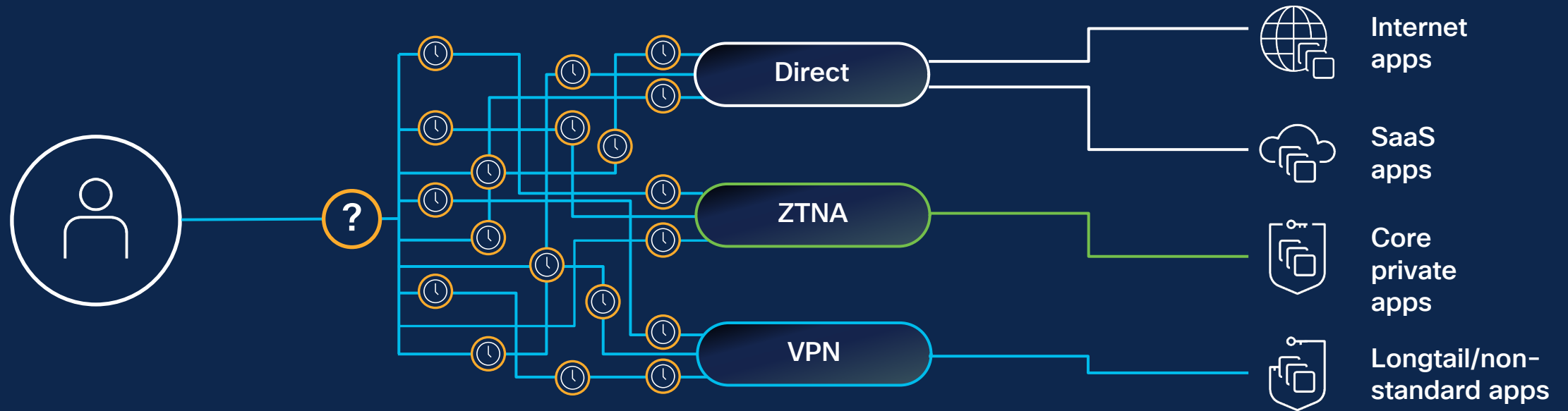
XDR

Duo MFA/ SSO

CSPM

*Global general availability coming soon

Better for users

Facilitate frictionless workforce experience for better productivity

Users experience fatigue, friction, repetition

Direct

ZTNA

VPN

?

Internet apps

SaaS apps

Core private apps

Longtail/non-standard apps

- Many connection decisions
- Various processes
- Multiple steps
- Repetitive authentication tasks

49% Employees frustrated with tech

26% Employees leaving job because of tech experience

Easy, frictionless user experience

1 Connect to a network

2 Get to work

Cisco Secure Access

Internet apps

SaaS apps

Core private apps

Longtail/non-standard apps

Note: Supports both client and clientless ZTNA connectivity

Outcomes for happy and productive users

Faster time to productivity

> **~50%** reduction in the number of steps to access private application*
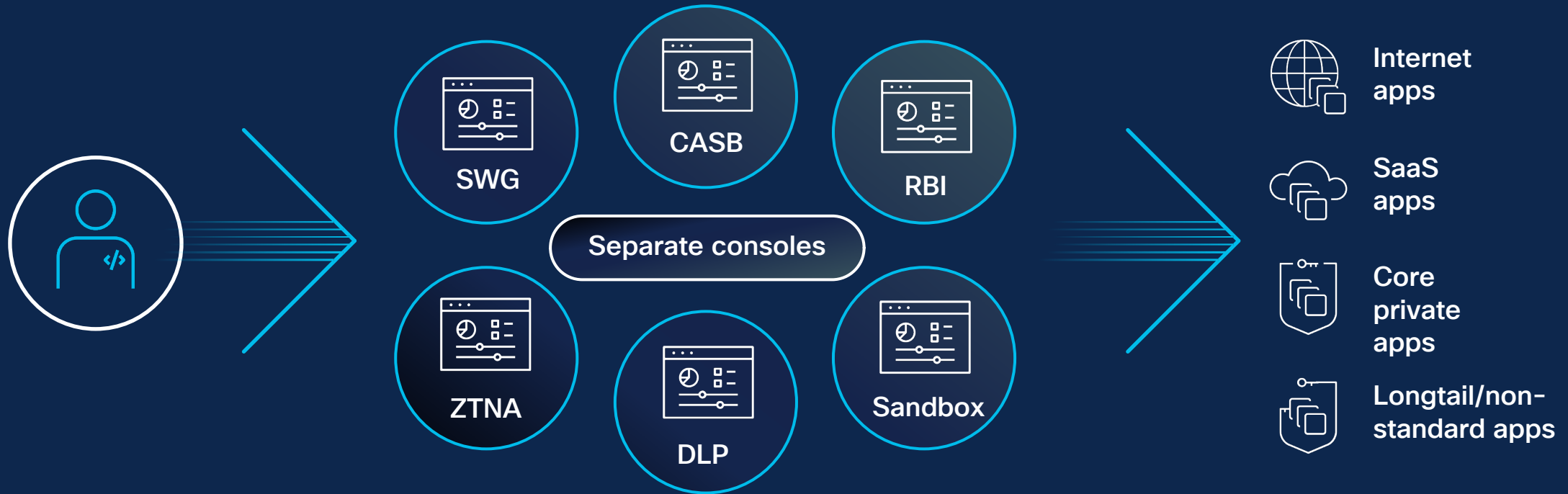
Next

Completely transparent experience for app access

"Productivity is a crucial for a world-class organization to increase profitability, enhance competitiveness, attract and retain top talent, and drive innovation and growth."**

*Source: UI design framework – Cisco 2023

**Source: Organisation Development International (ODI), February 2023

Easier for IT

Lower costs and improve efficiencies

The multi-vendor approach is problematic

SWG

CASB

RBI

Separate consoles

ZTNA

DLP

Sandbox

Internet apps

SaaS apps

Core private apps

Longtail/non-standard apps

Multiple products increase cost and inefficiencies

- Licenses/hardware
- Policy management
- Client management
- Reporting
- Elevated staffing levels

65% of enterprises plan on consolidating vendors for better risk posture

Easier for IT

Simplification with fewer consoles

Cisco Secure Access

- Internet apps
- SaaS apps
- Core private apps
- Longtail/non-standard apps

Secure Access converges multiple consoles into one

Outcomes for security/IT teams

Customers early in their adoption are seeing significant value

Business impact

Free security staff to focus on higher impact tasks

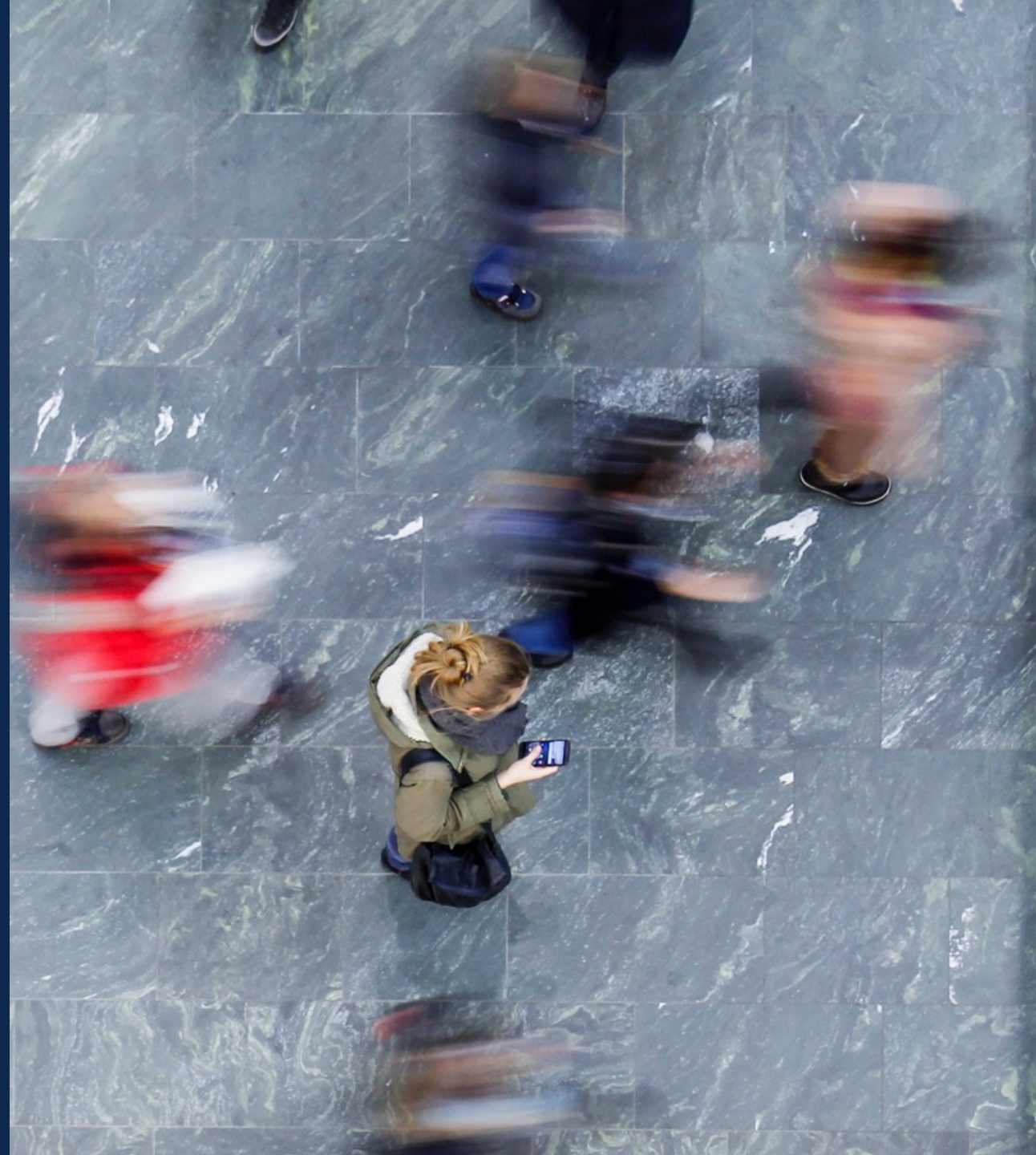**65%** savings on time spent with policy establishment and enforcement

Decreased operational costs

67% decrease in management of services and physical appliances

*Source: Forrester Total Economic Impact study, Umbrella SIG/SSE, 2022
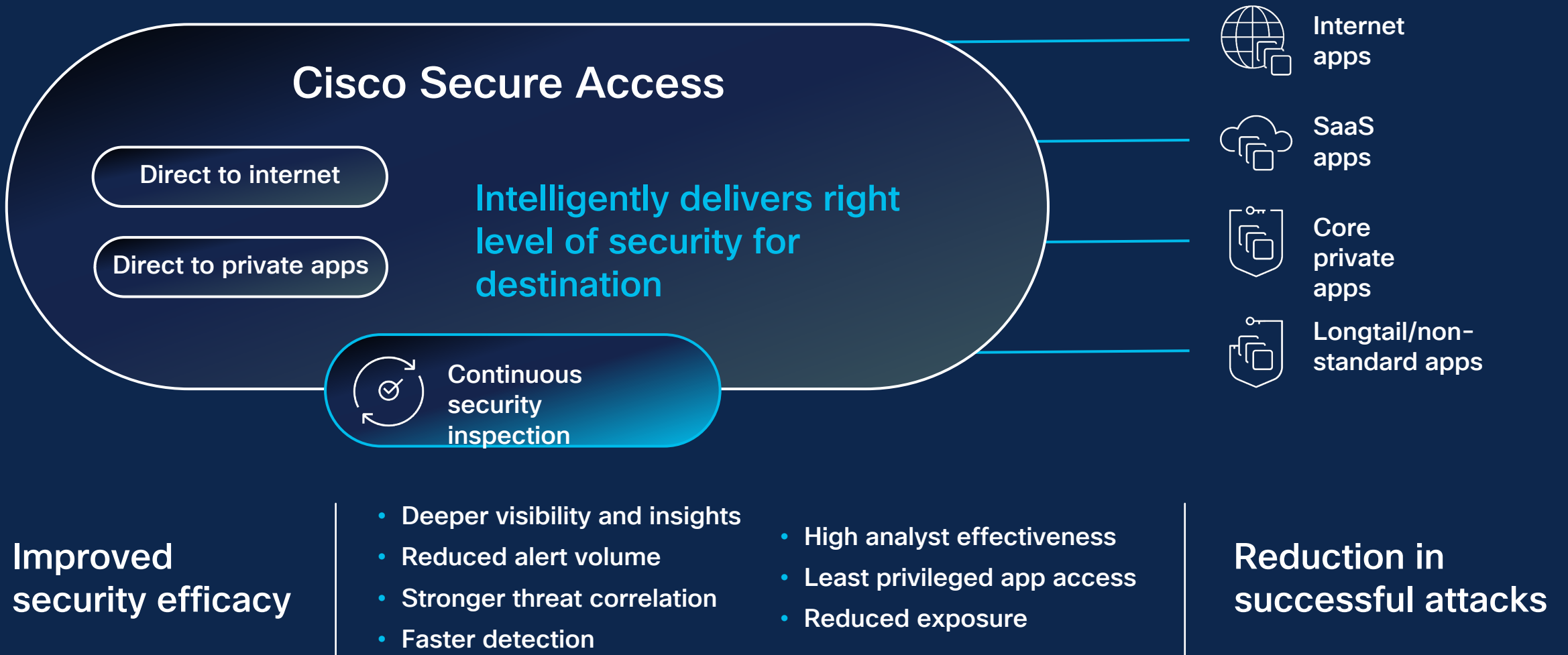
Safer for everyone

Reduce risk and improve
business resilience

Advanced cybersecurity benefits

Block more, investigate faster, and remediate fully

Cisco Secure Access

Direct to internet

Direct to private apps

Intelligently delivers right level of security for destination

Continuous security inspection

Internet apps

SaaS apps

Core private apps

Longtail/non-standard apps

Improved security efficacy

- Deeper visibility and insights
- Reduced alert volume
- Stronger threat correlation
- Faster detection

- High analyst effectiveness
- Least privileged app access
- Reduced exposure

Reduction in successful attacks

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Zero Trust Network Access (ZTNA) journey

Intelligent private application access from anywhere

User
Unmatched simplicity

ZTNA
Unmatched migration flexibility

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Direct to private apps

Simple, automated, secure connection to **all** private apps

ZTNA

VPNaaS

Core private apps

Longtail/non-standard apps
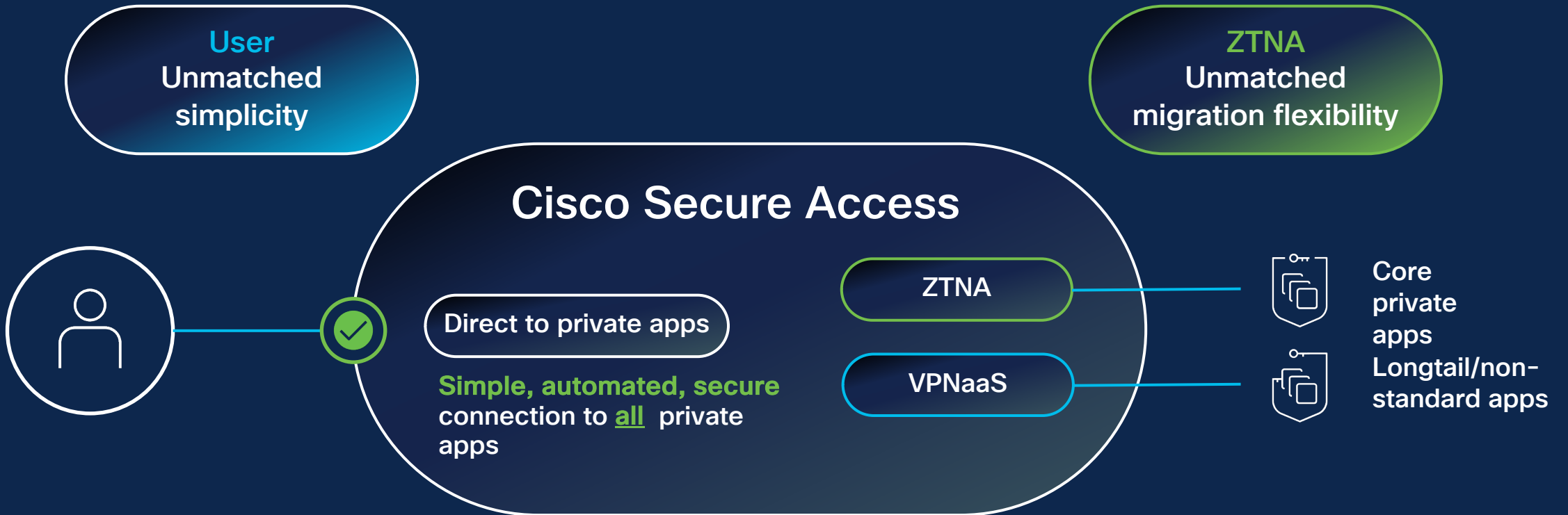
Benefits
- App-specific access
- Undiscoverable IP address
- Least privileged user access
- Reduced threat surface
- Automated selection of ZTNA or VPNaaS
- Posture verification
- Access segmentation

Talos powers Secure Access with intelligence

Analyze
Rapid speed of correlation and detection
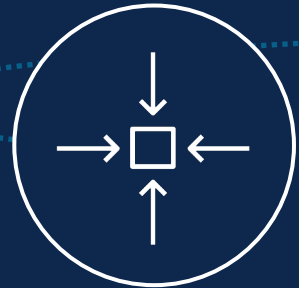
Collect
Enormous scale and reach for inputs

Defend
Global distribution and protection

We see more and automate more, so you can block more and respond faster to threats.

2.1M+ malware samples processed daily

625B web requests resolved daily

200+ new vulnerabilities discovered yearly

- Backed by robust expert team of full-time researchers and data scientists
- Machine learning and automation intelligence

400 B security events observed daily

Outcomes for increased security

Customers early in their adoption are seeing significant value

Business impact

Avoid business disruptions by blocking more threats before infection

30% higher security efficacy when using a converged set of cloud security*

Significantly reduce incident investigations, remediation effort, and attrition of overburdened security staff

48% of surveyed organizations reduced malware infections by 50-75%**

*Source: Forrester Total Economic Impact study, Umbrella SIG/SSE, 2022
**Source: Tech Validate customer survey, Umbrella, 2022