



You make **possible**



Secure Your Applications Anywhere

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PSOSEC-4904

CISCO *Live!*

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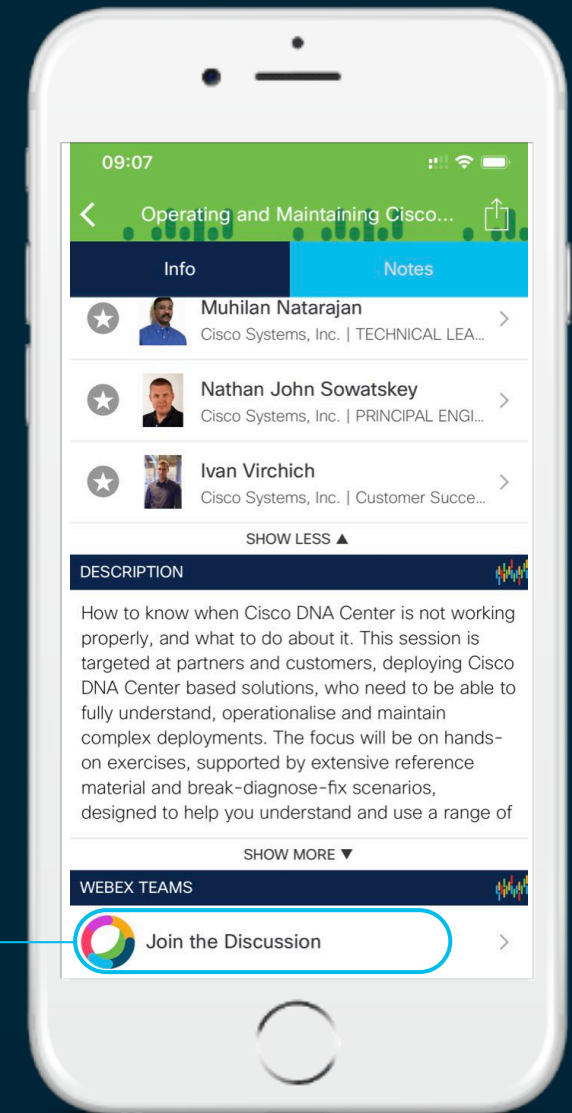
Cisco Webex Teams

Questions?

Use Cisco Webex Teams to chat with the speaker after the session

How

- 1 Find this session in the Cisco Events Mobile App
- 2 Click “Join the Discussion”
- 3 Install Webex Teams or go directly to the team space
- 4 Enter messages/questions in the team space



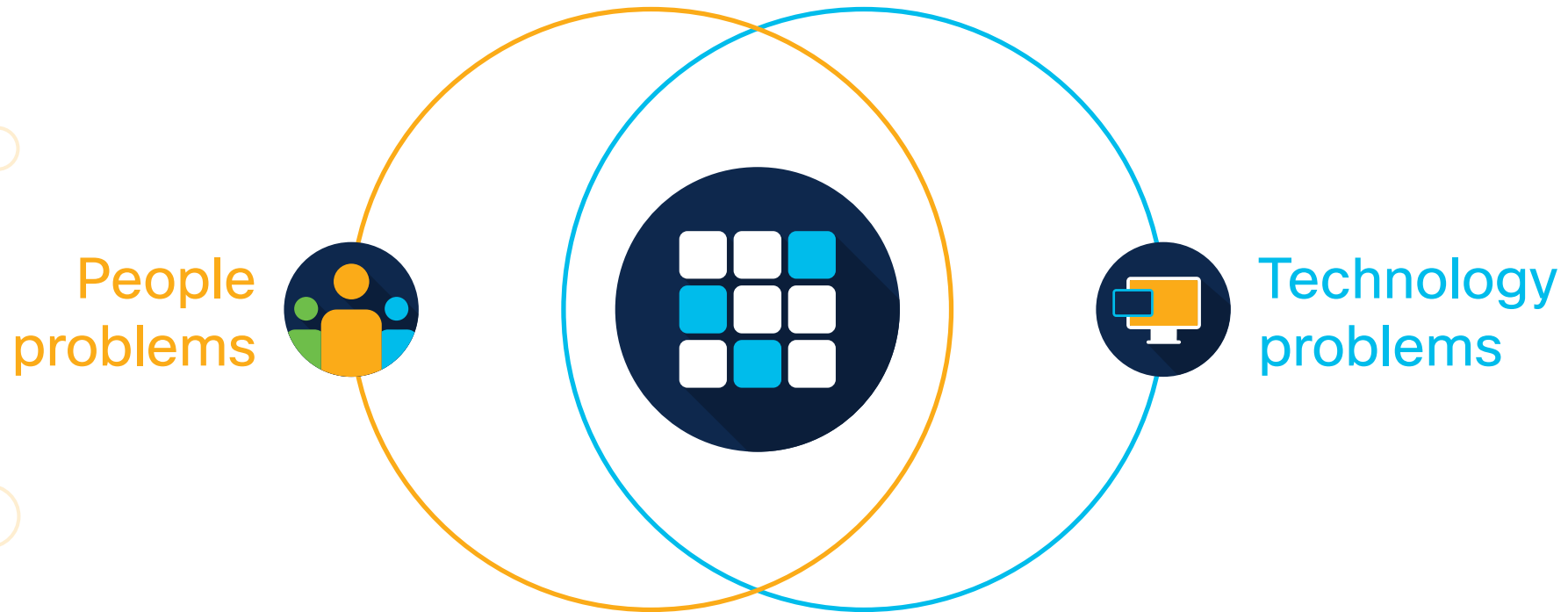
Applications are hard to secure business



1. [Verizon's 2019 Data Breach Investigation Report \(DBIR\)](#)

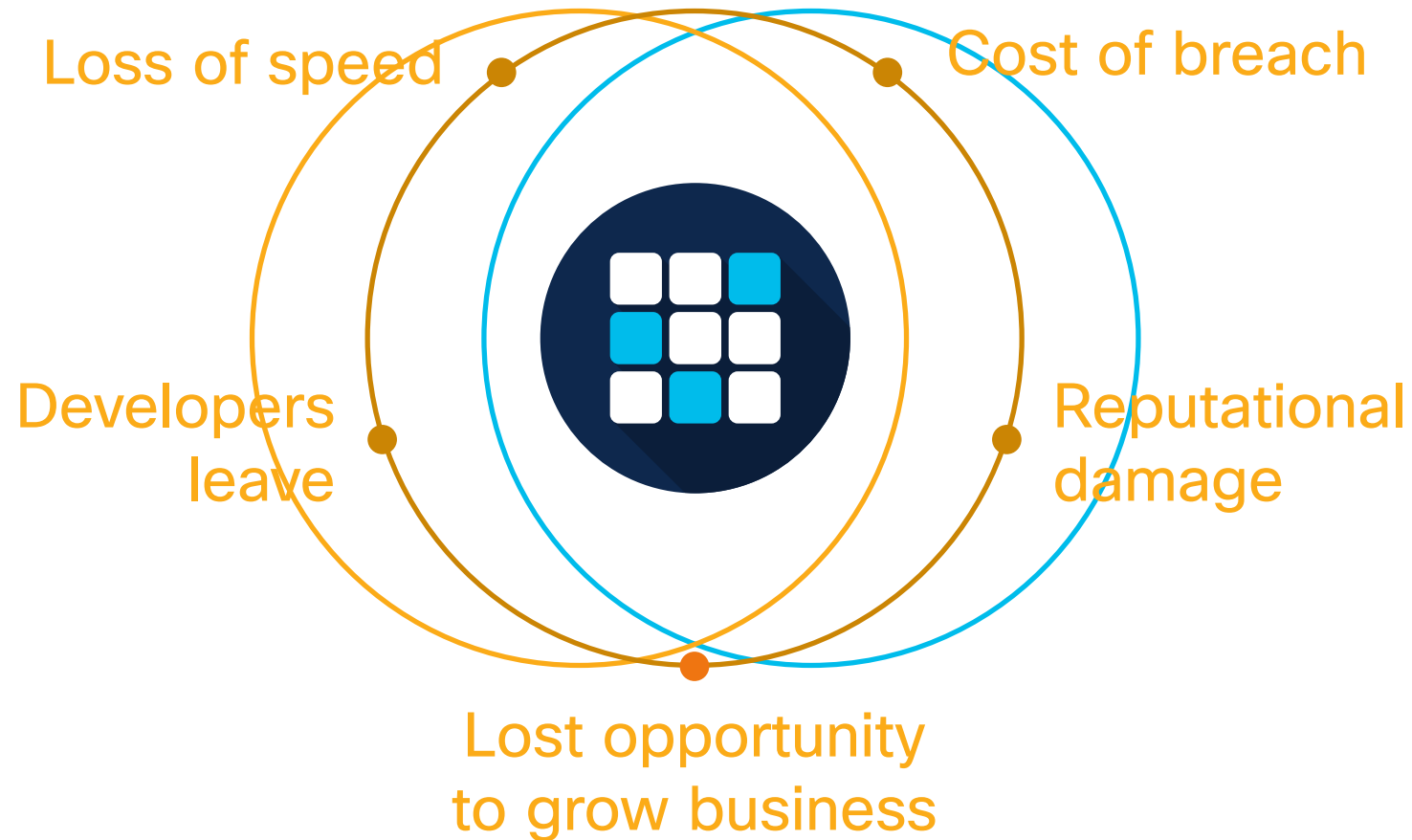
Challenges

Applications increase security complexity

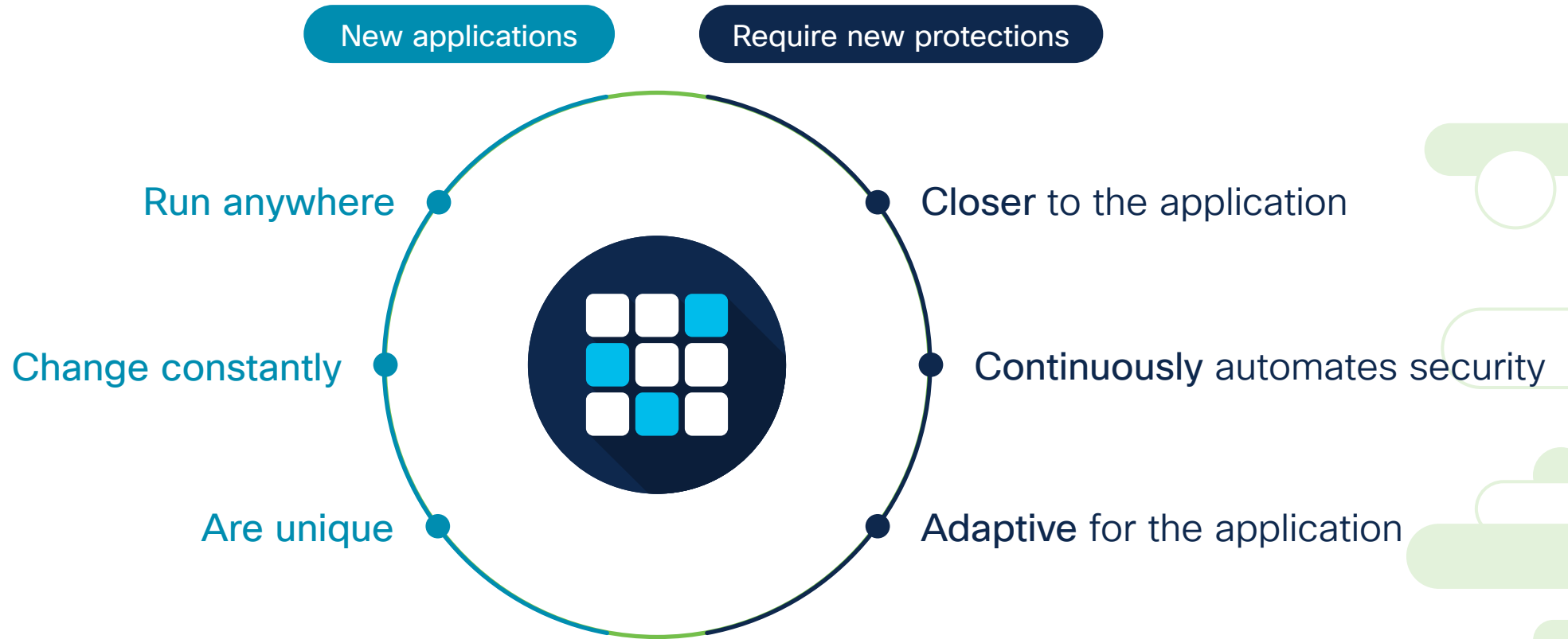


Risks with these new complexities

Costly not to secure your business



Security enables you to go faster





App Owner

I need to analyze business impact based on the user experience after a security incident



Security Analyst

Identify behavior changes and threats across cloud infrastructure



DevOps Engineer

Understand application communication dependencies

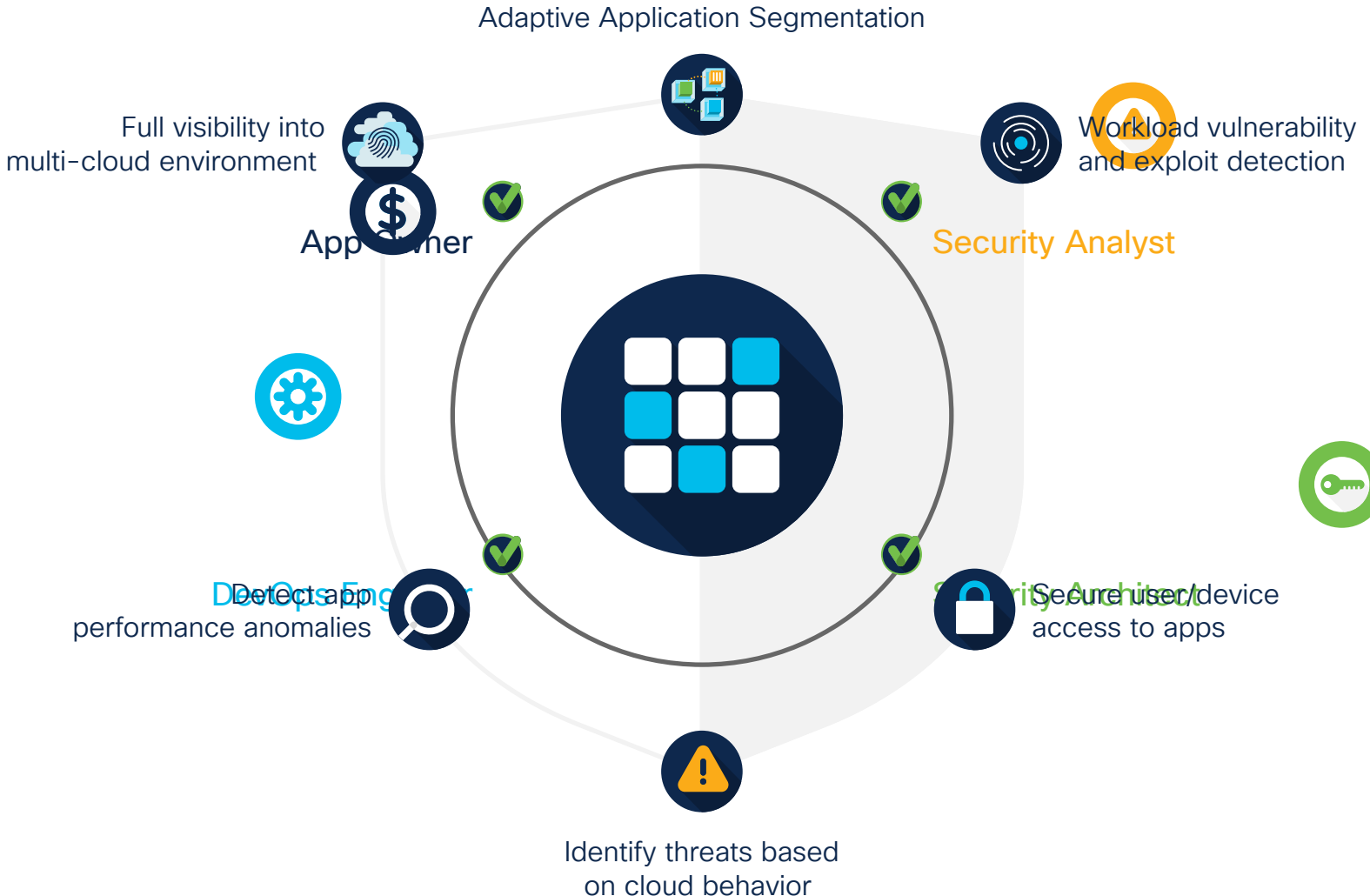


Security Architect

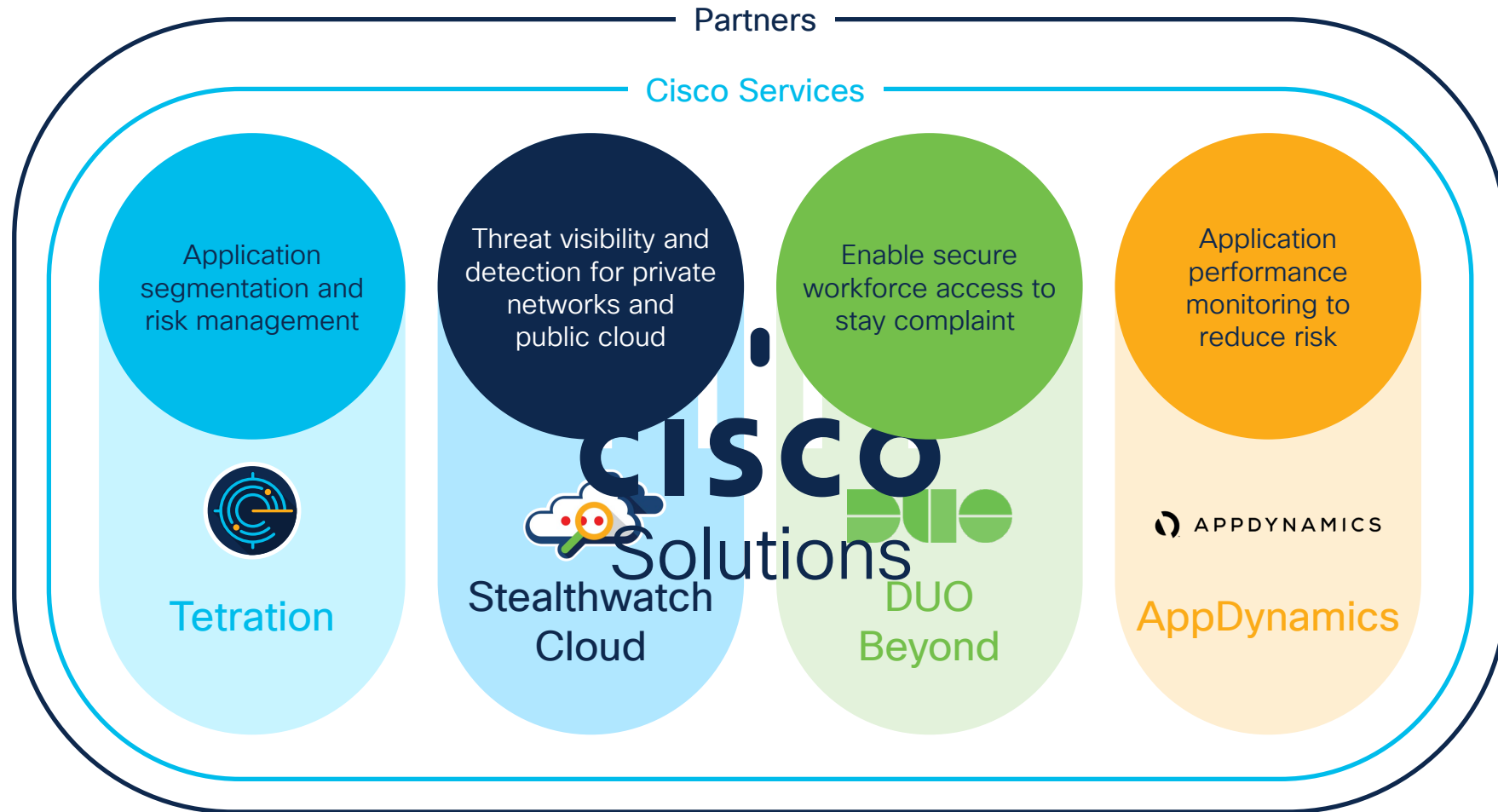
Proactive breach containment without breaking the app
See all activity across multi-cloud



World where apps are secure



Cisco Application-First Security Solution





Application segmentation and risk management



App-first security with Cisco Tetration



Microsegmentation
Contain lateral movement

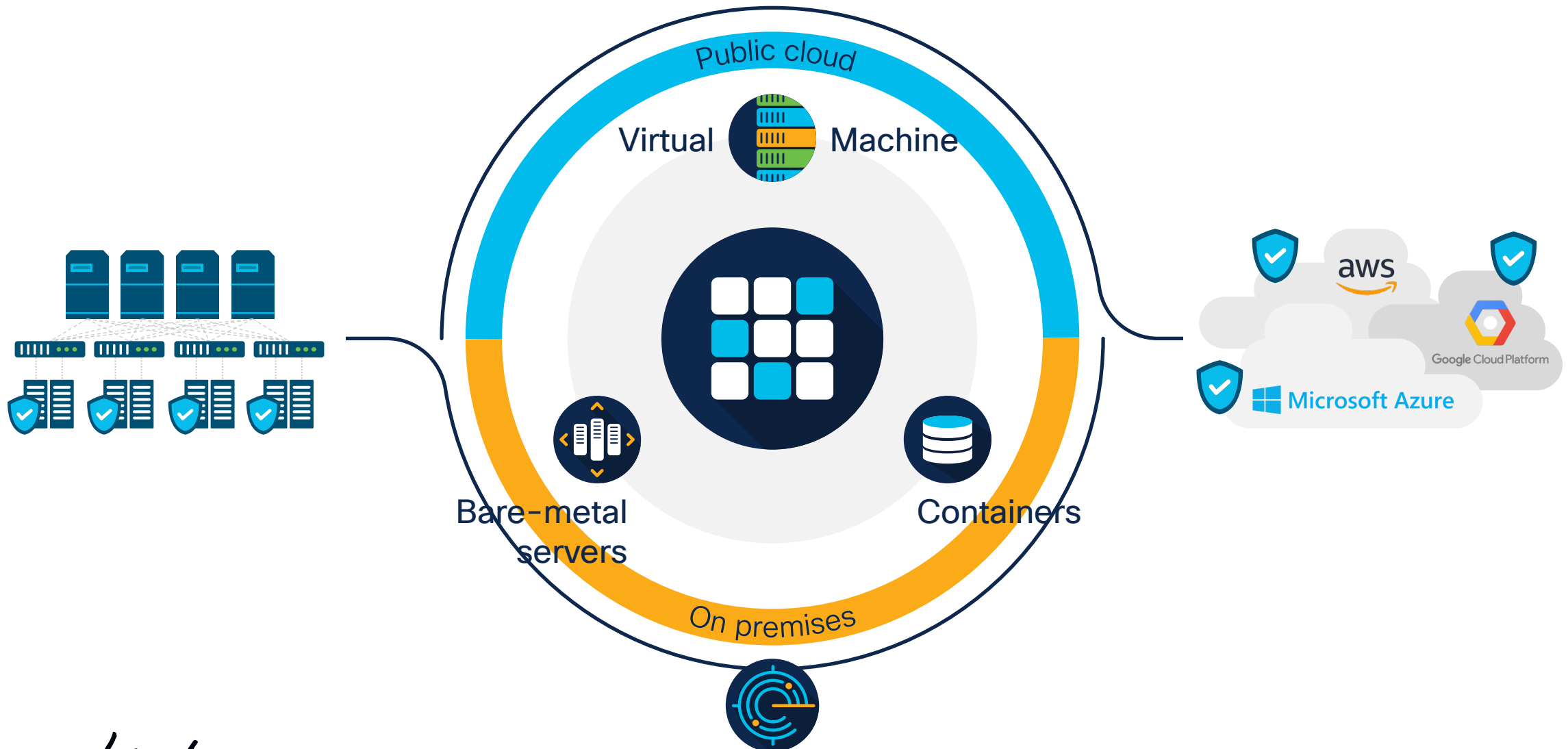
Policy compliance
Continuously track security compliance



Process and communication
Identify behavior anomalies

Software vulnerability
Reduce attack surface

Adaptive application segmentation



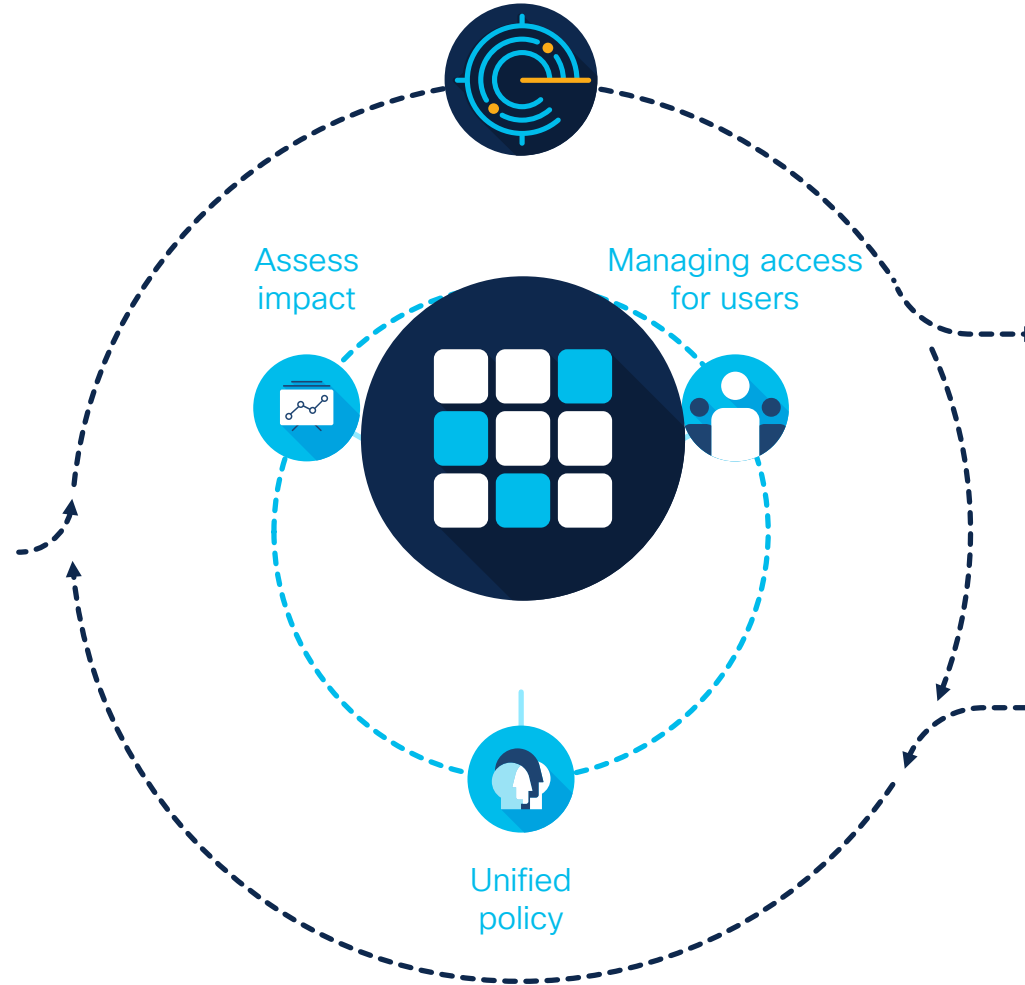
Cisco Tetration secure any workload, anywhere



Baseline policy

Baseline workload protection posture

- Network communications
- Process behavior
- SW vulnerabilities
- Application insights



Enforcement

- Network communications
- Process behavior
- SW vulnerabilities
- Application insights

Compliance alerts

- Threat intel
- Policy violations
- Process anomalies



Threat detection for private networks and public cloud



App-first security with Stealthwatch Cloud



Multi-cloud visibility

Across AWS, Azure, GCP, serverless, containers

Automated host classification

Know who is on the network and what they are doing



Threat detection and response

Identify and understand behavioral anomalies

Policy violation

Alerts based on prohibited activities

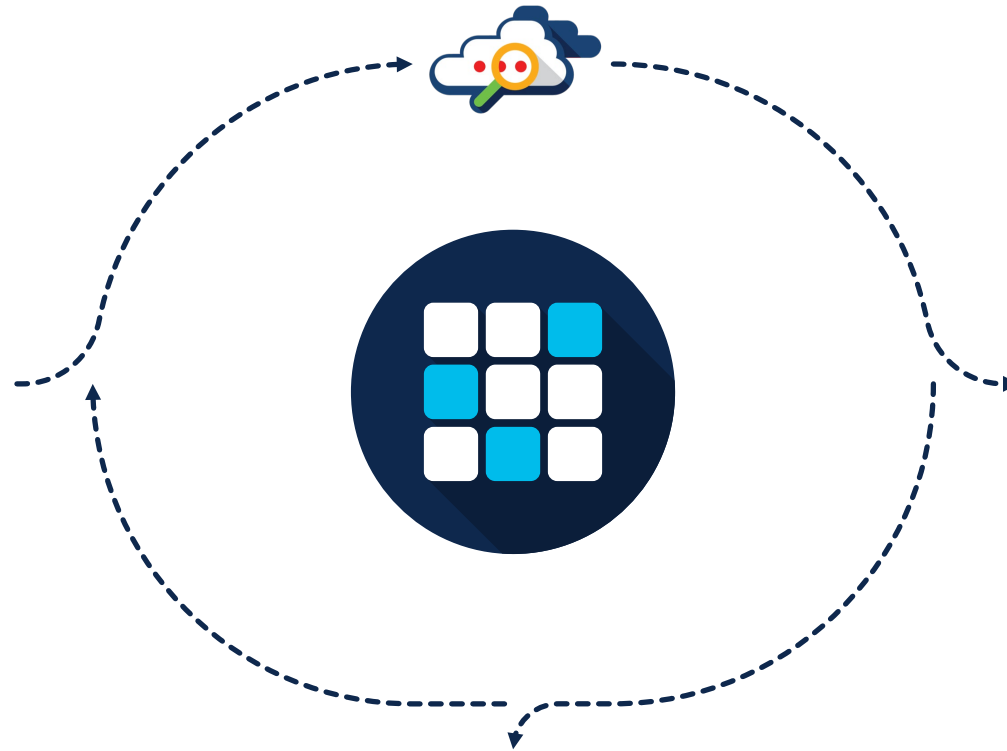
Entity classification and behavioral modeling

Dynamic entity modeling








Collect telemetry

- IP meta data
- System logs
- Security events
- Passive DNS
- External intel
- Vulnerability scans
- Config changes



Perform analysis

-  Application role
-  Infrastructure group
-  Behavior consistency
-  Policy rules
-  Forecasted behavior

Security Alerts

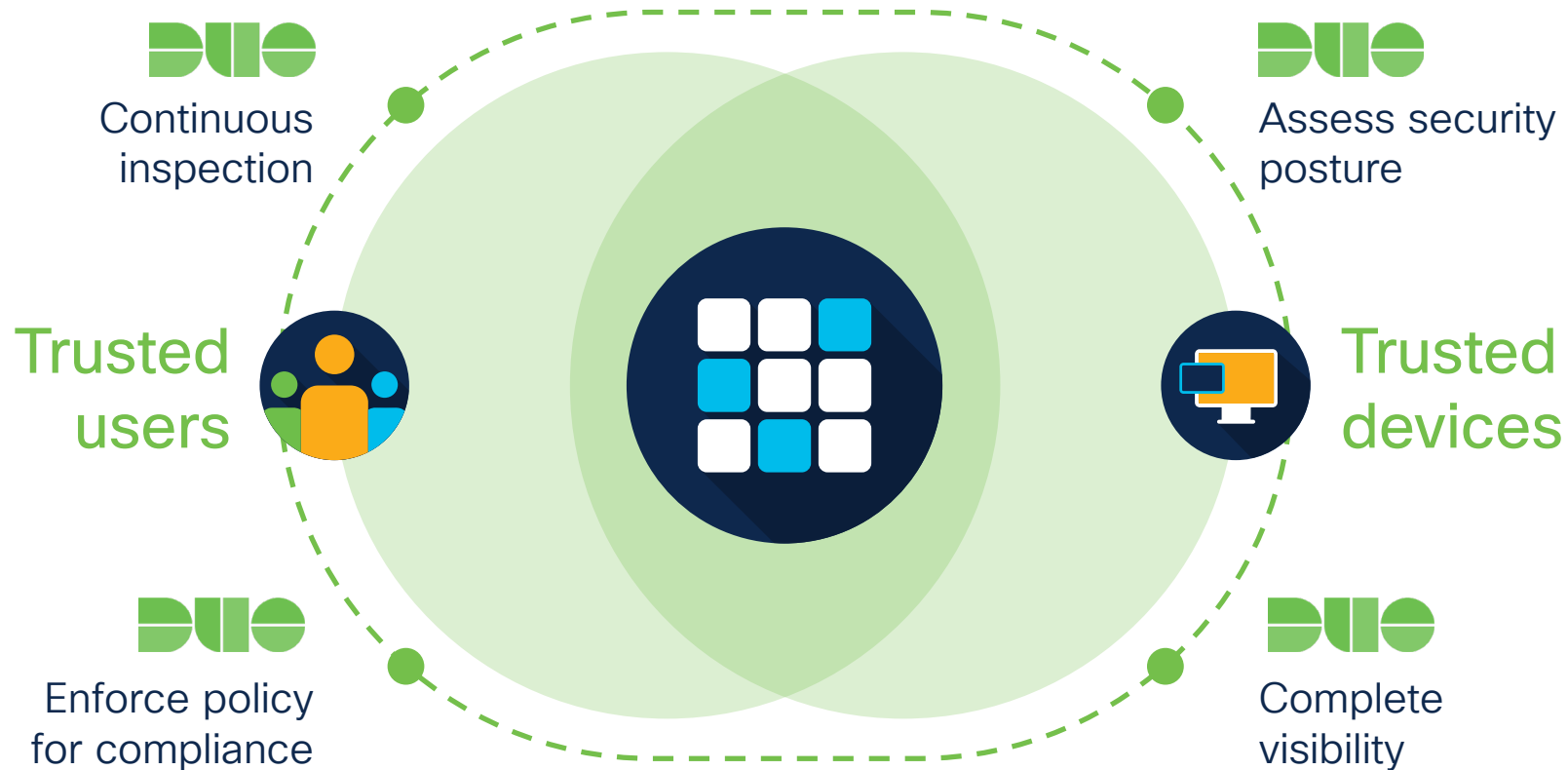
- Data exfiltration
- Geographically unusual remote access
- Internal port scanner
- Excessive access attempts



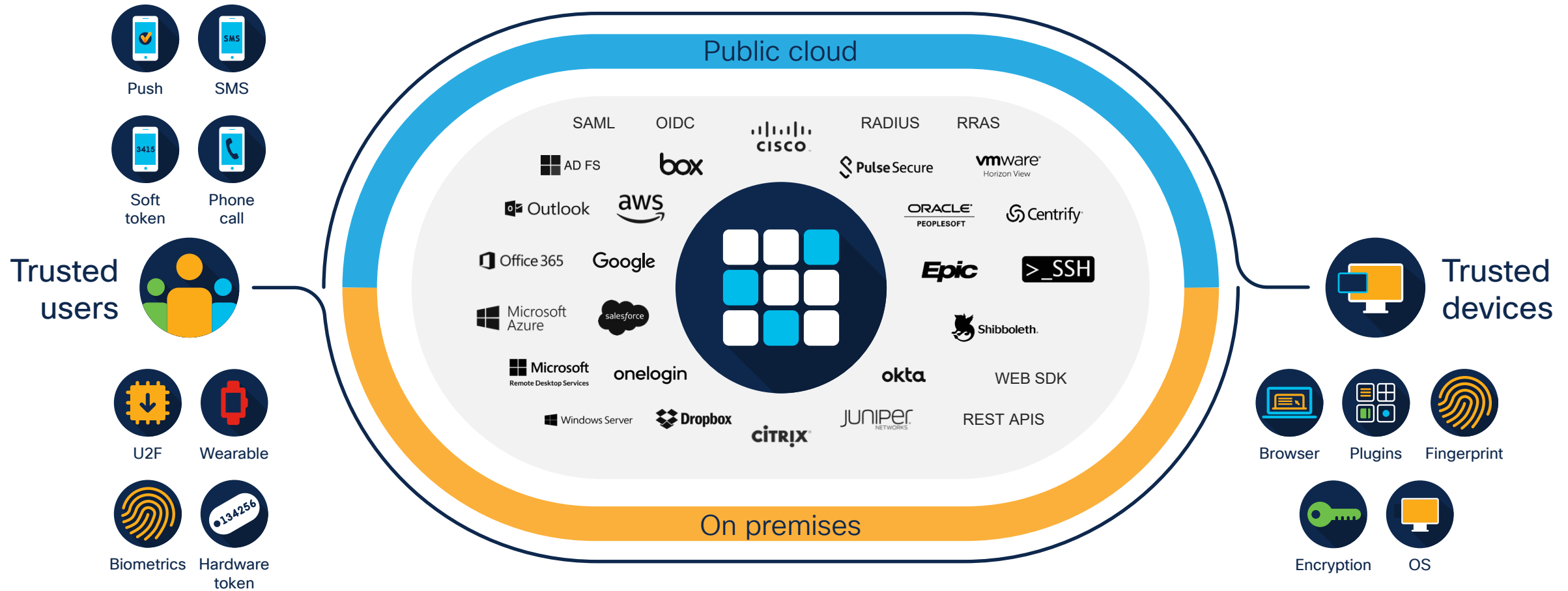
Enable secure workforce
access to stay complaint



Secure access to applications



Broadest range of Multi-Factor Authentication (MFA) options



Application performance monitoring to reduce risk



Manage application performance



Detection of
issues before
customers notice

Immediate and
automated code
level diagnostics



Customer experiences
managed at scale

Real time
performance
intelligence

Summary



Cisco application-first security solutions



Closer
to the application

Continuously
automates security

Adaptive
for the application

Getting started

Easy to buy

Comprehensive all-in or flexible choice options



All-in

Full portfolio access

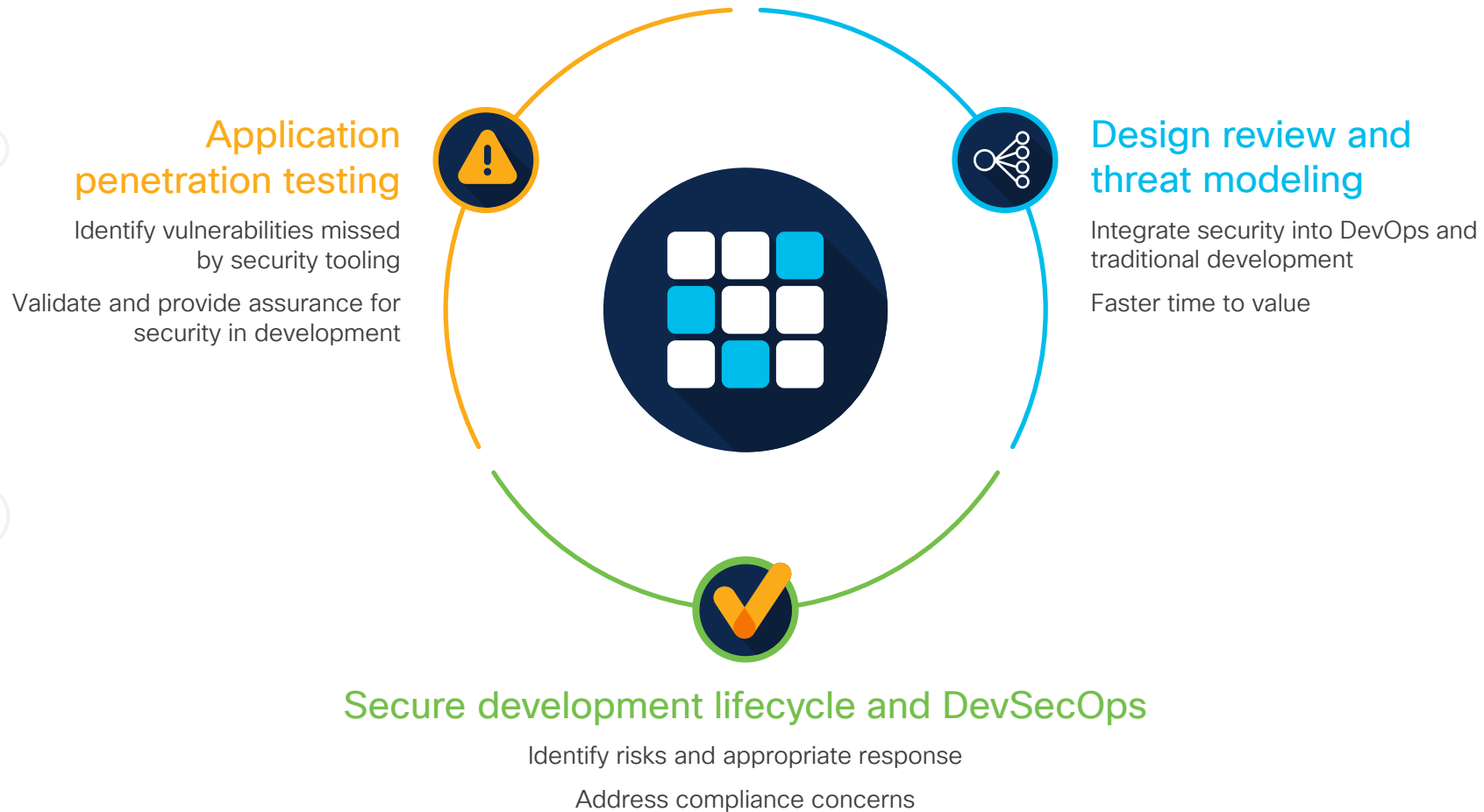


Choice

3 + technologies
(Stealthwatch Cloud, Duo and Tetration)

Cisco Security Services

Application-first security



Try now

Tetration

[Request a Demo](#)

Stealthwatch Cloud

[Start a Free 60-Day Trial](#)

Duo Free

[Start a Free Trial](#)

AppDynamics

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Thank you





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