



Meraki Insight

Entendendo a importância do “Observability” no suporte a experiência do usuário

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Agenda

Full Stack Obervability

Meraki as a Platform

Meraki Insight - Demo

Meraki APIs

ThousandEyes

TE – Demo and APIs

Meraki Insight vs ThousandEyes



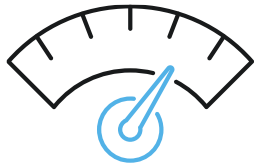
Cisco Full Stack Observability

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Full-Stack Observability

with Business Context - Customer Use Cases



Performance

Need to improve app performance and correlate metrics with business outcomes to provide a flawless app/user experience



Optimization

Need for active matching of infrastructure needs and costs to app and business demands

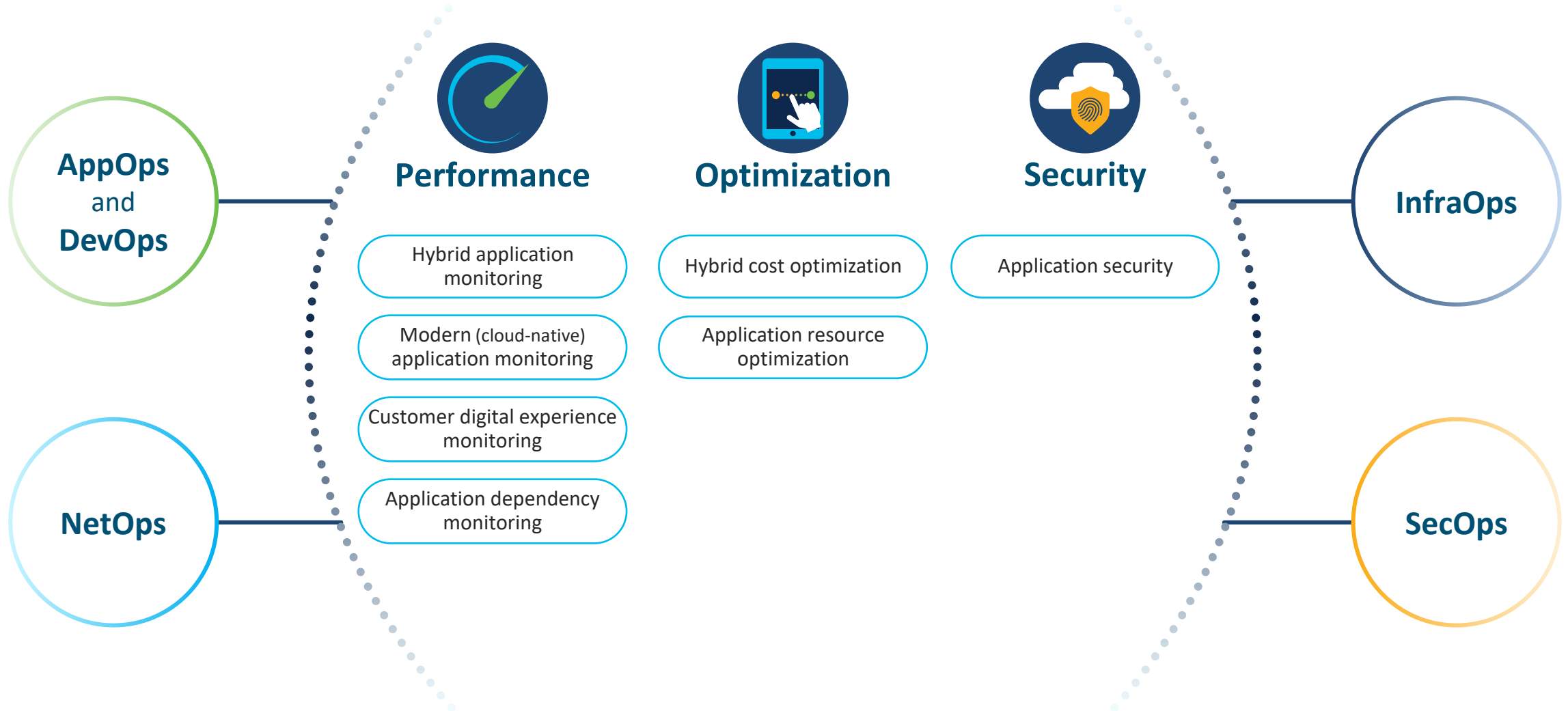


Security

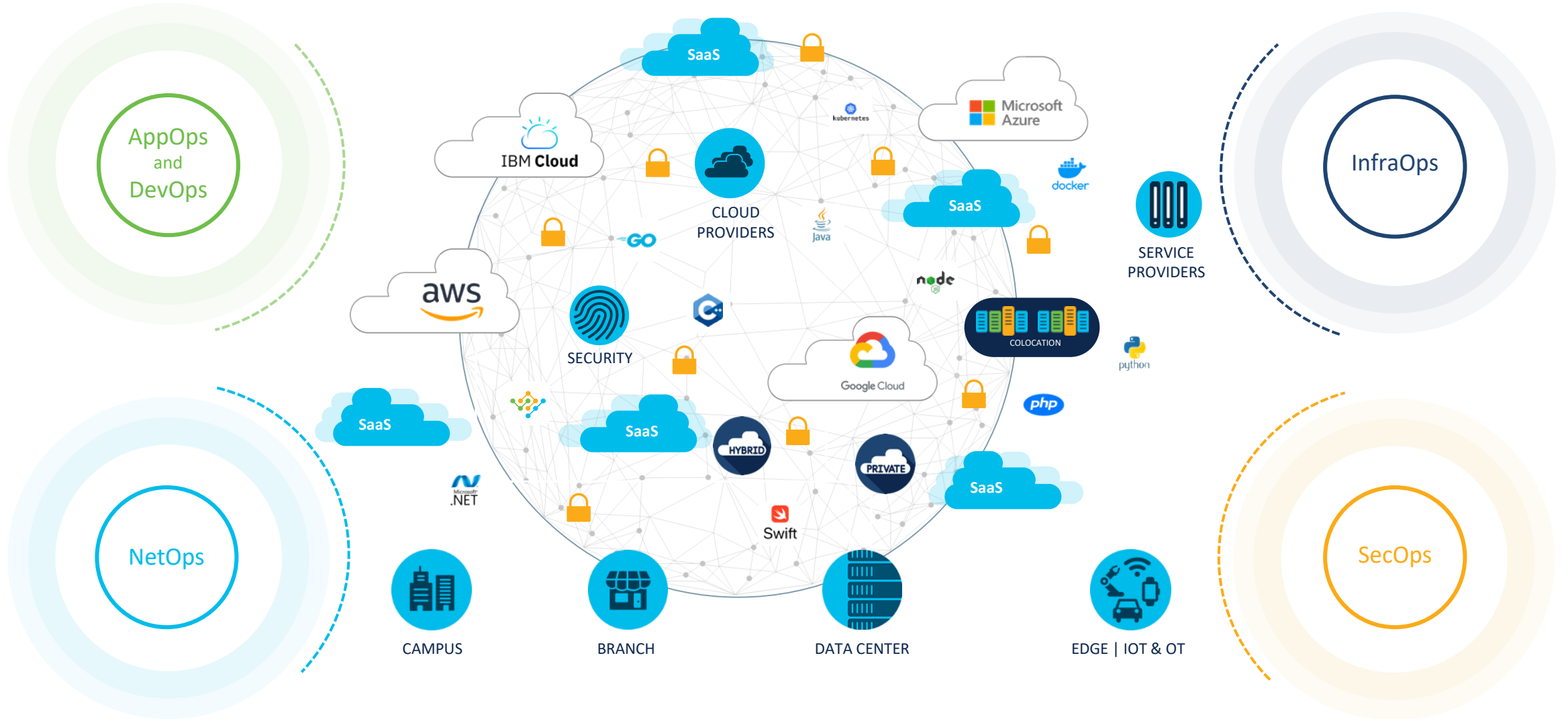
Need to ensure runtime and development app security, and create shared context between applications and security teams

Full-Stack Observability

Business context – customer use cases



Islands of operations are inefficient and ineffective.

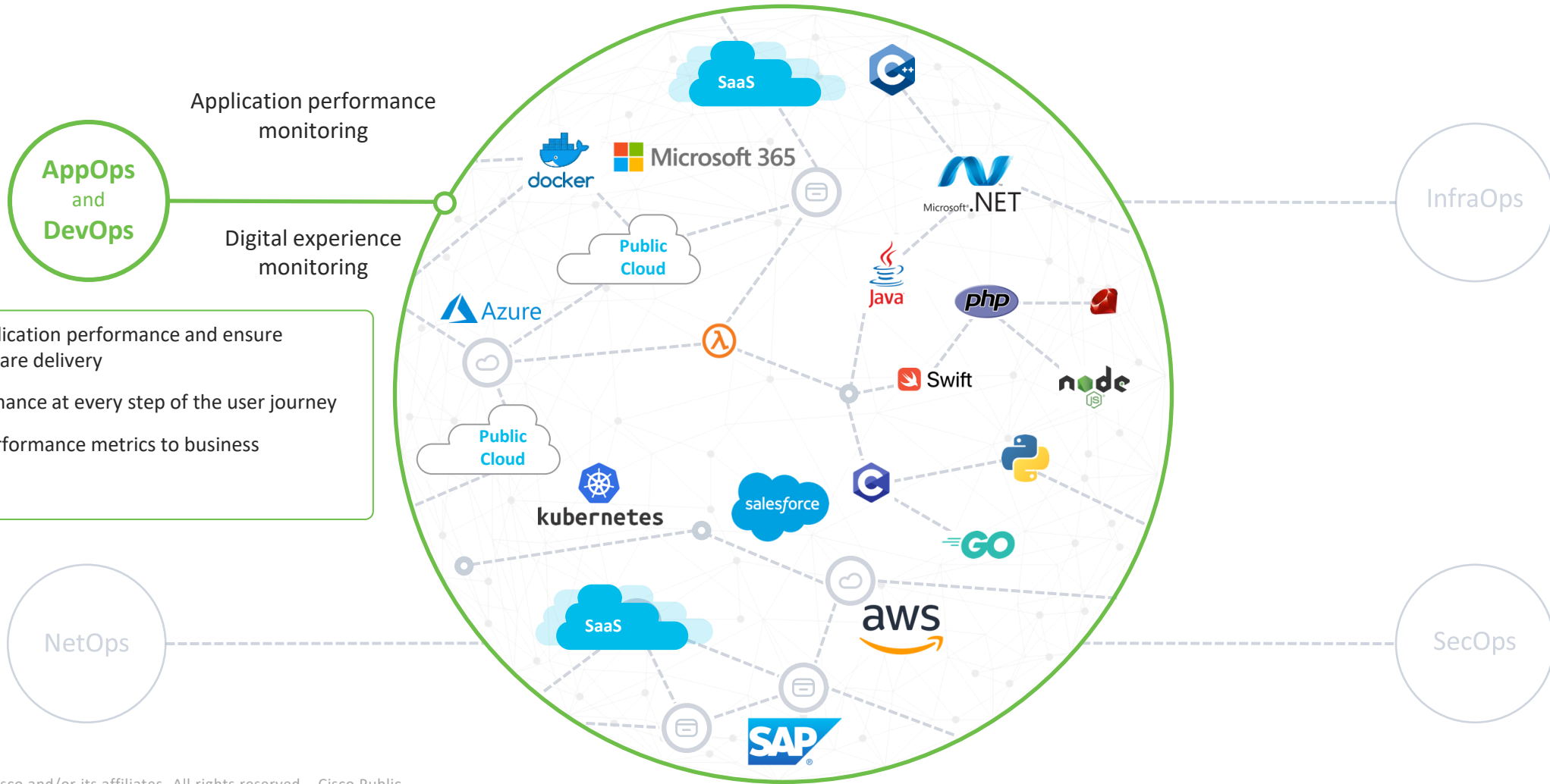


Your teams need to see the full stack of available data

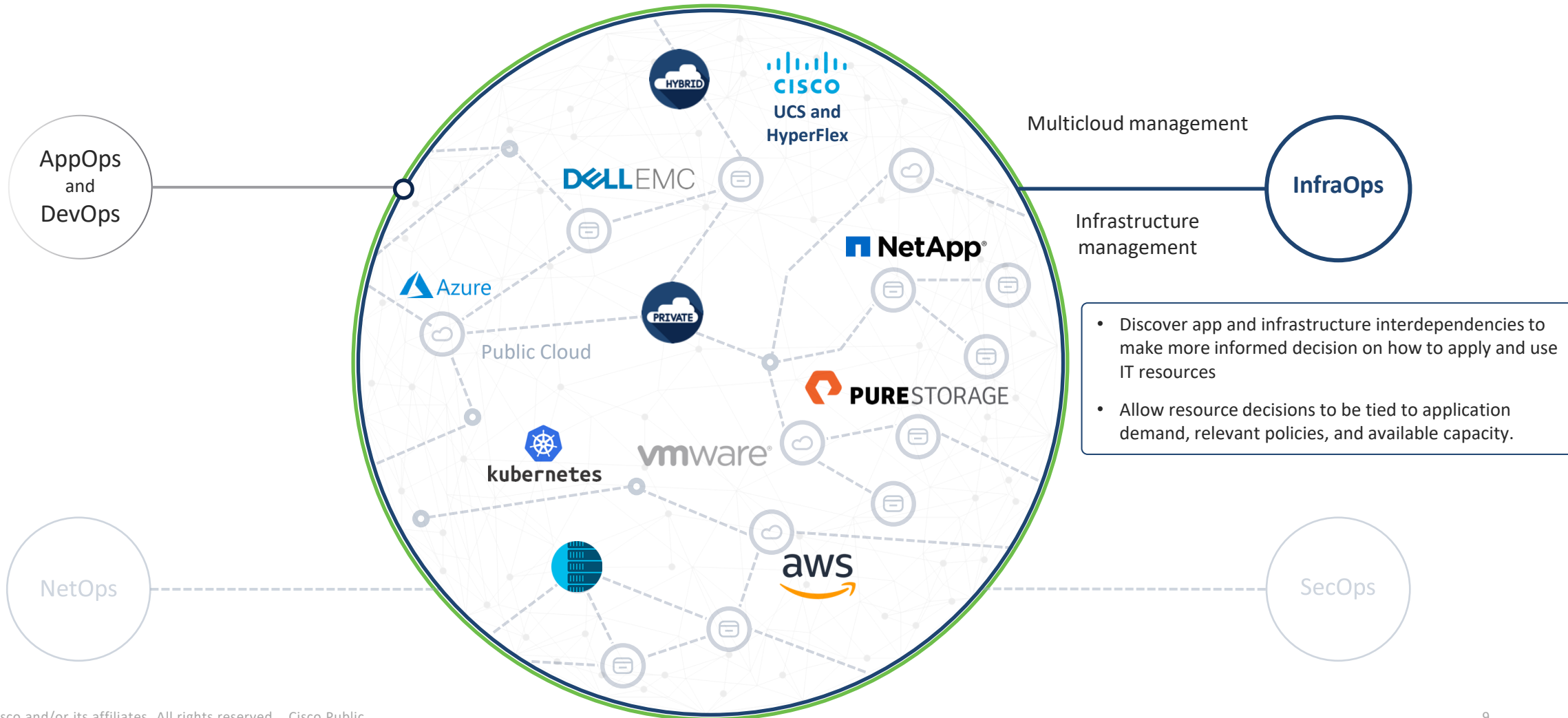
Shared context across the digital experience



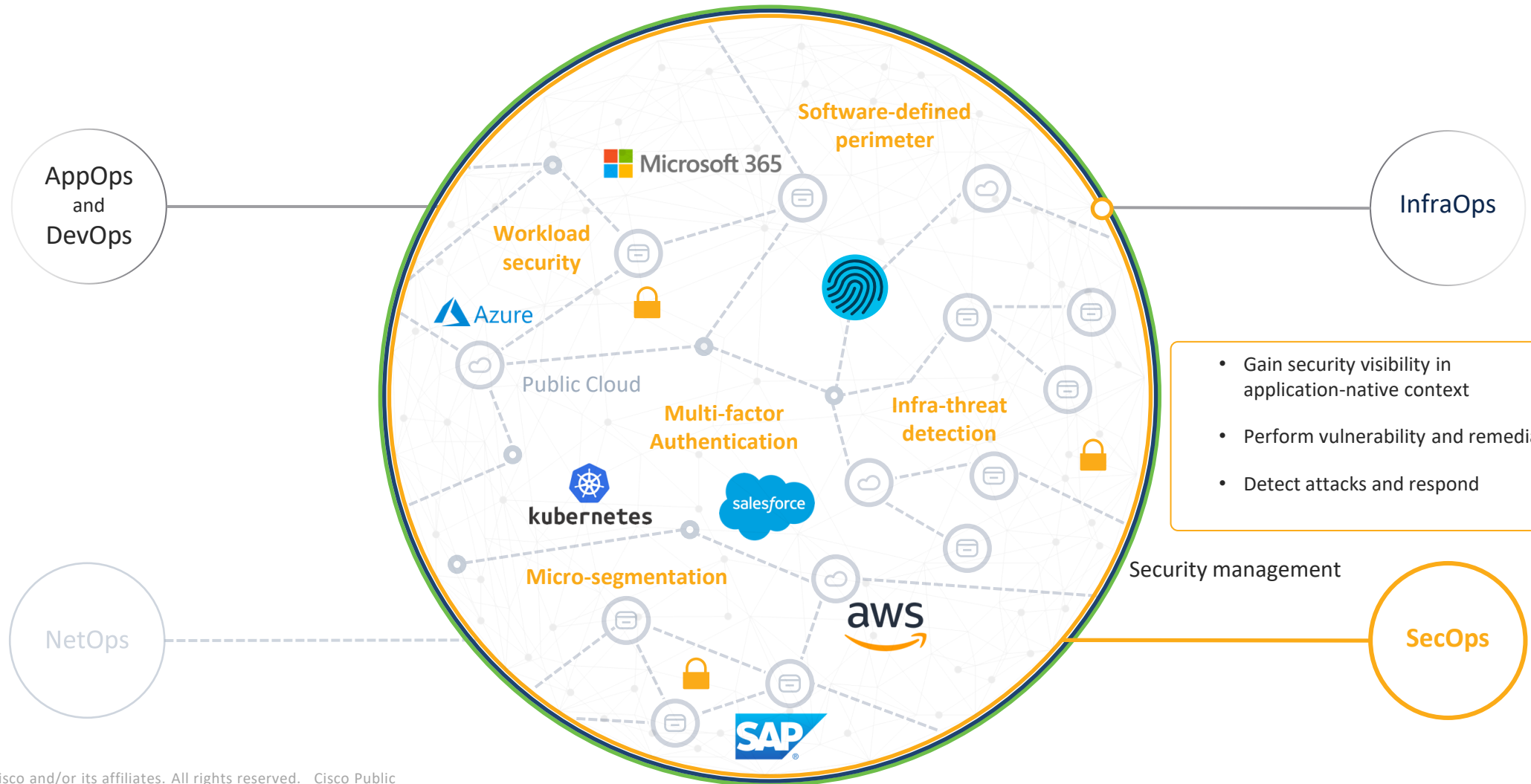
From applications and the business...



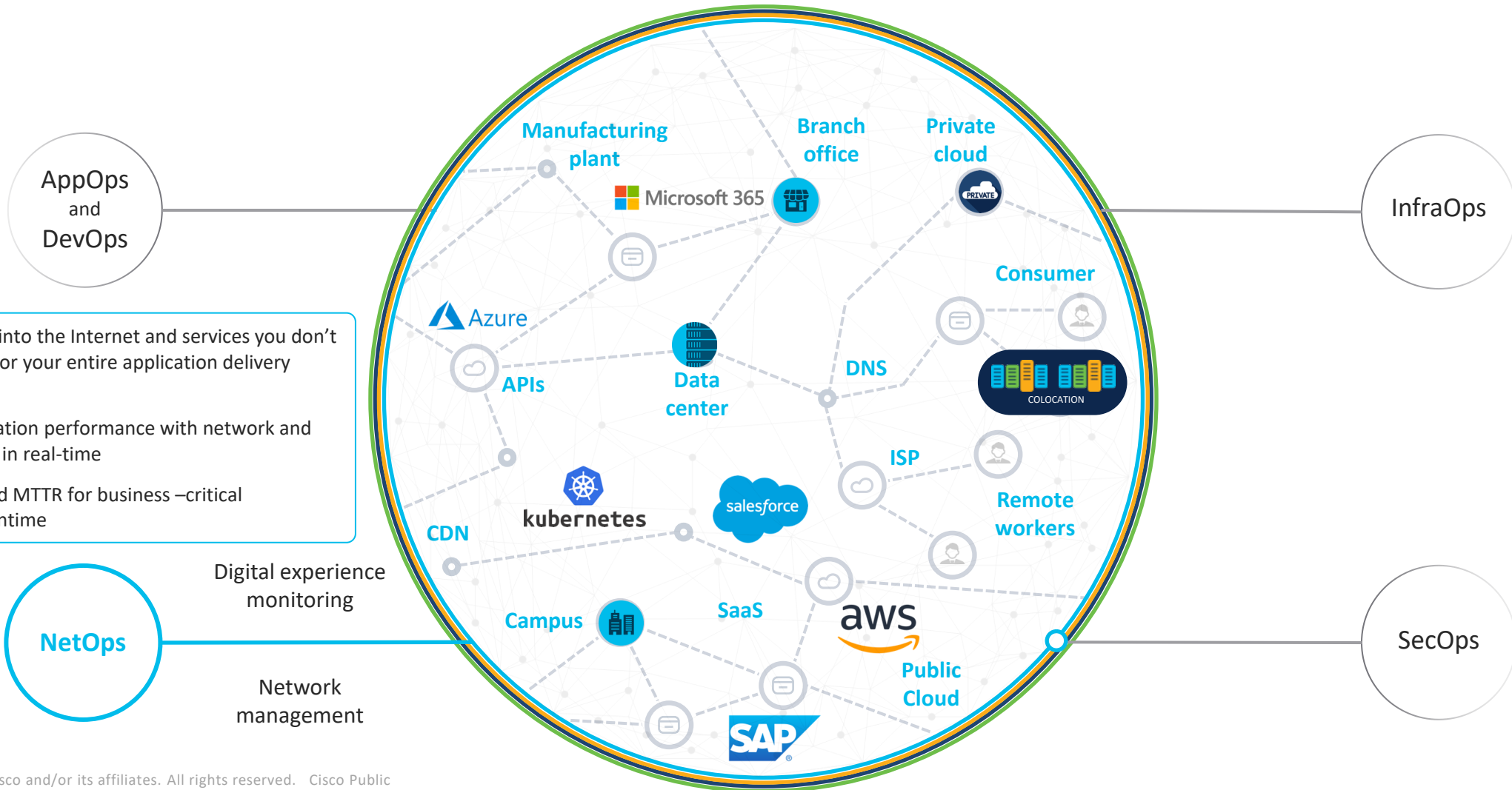
...to infrastructure...



...to security...



...to networks.



- Extend visibility into the Internet and services you don't control to monitor your entire application delivery chain
- Correlate application performance with network and Internet metrics in real-time
- Reduce MTTI and MTTR for business –critical application downtime

Secure SD-WAN

Cisco's flexible architecture for Intent-based Networking

Any Deployment



On-premise | Cloud | Multi-tenant
Automation | Network Insights | Machine Learning | AI
Open | Programmable | Scalable

Any Service



Multicloud
Optimization



Multi-Layer
Security



ThousandEyes
Analytics



Voice



SaaS
Optimization
O365, Webex

Any Transport



Satellite



Internet



MPLS



5G/LTE



SDCI*

Any Location



Branch



Colocation



Cloud



Remote Work

* Software Defined Cloud Interconnect

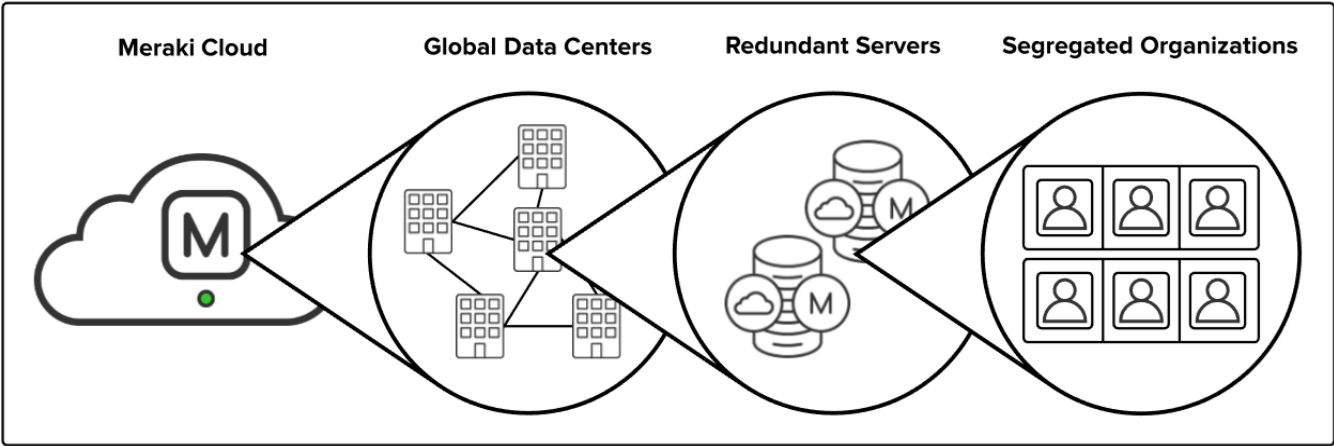


The Meraki Platform

A solid foundation that helps your business thrive

The engine behind the **single pane of glass**

- Highest grade security
- Highly advanced cloud infrastructure



Cisco Meraki: Simplifying IT

A complete cloud-managed IT solution

Wireless, switching, security, SD-WAN, endpoint management, and security cameras

Integrated hardware, software, and cloud services

Leader in cloud-managed IT

Among Cisco's fastest growing portfolios

250k+

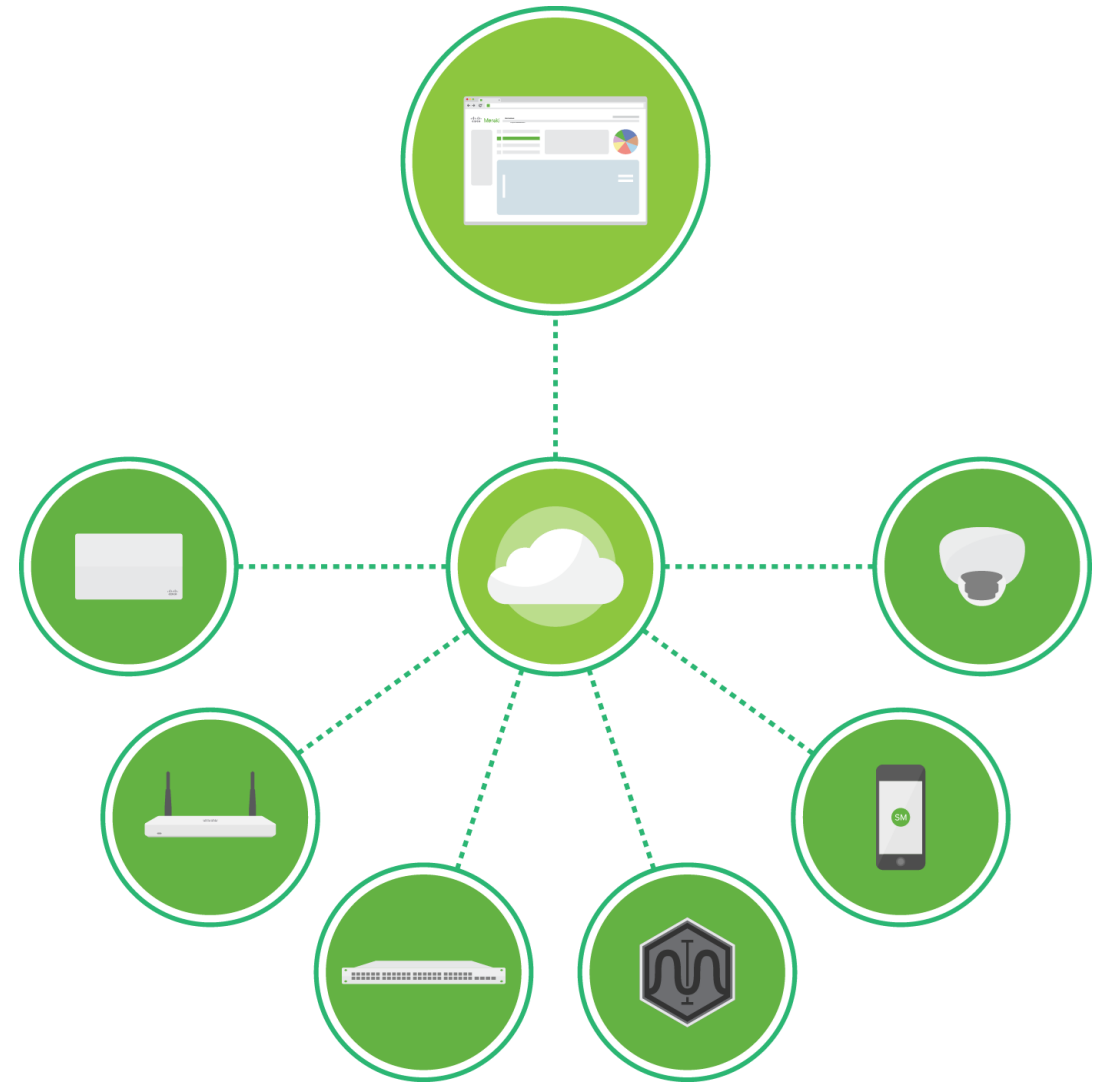
Unique customers

3.5M+

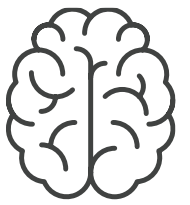
Meraki devices
online

5.5M+

Active Meraki
dashboard users



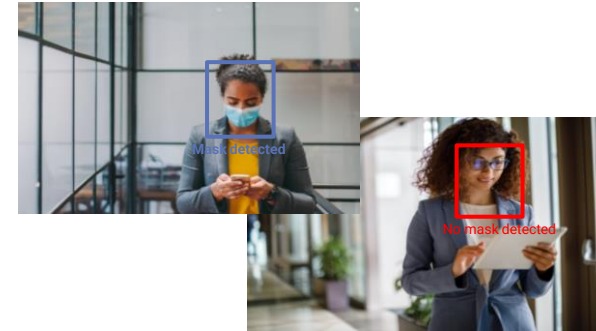
Machine learning applied in the real-world



Object detection

Deep neural network technology

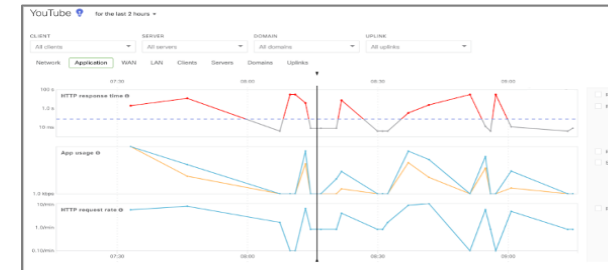
Smart
Camera



App performance

Thresholds w/Bayesian models

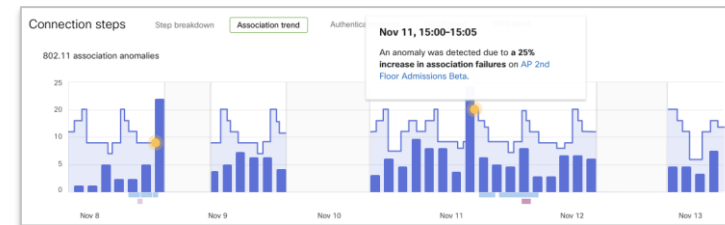
SD-WAN
gateway



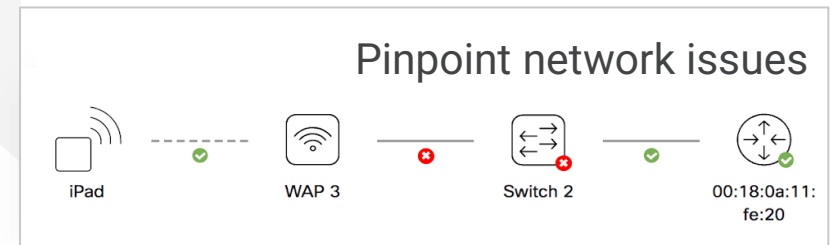
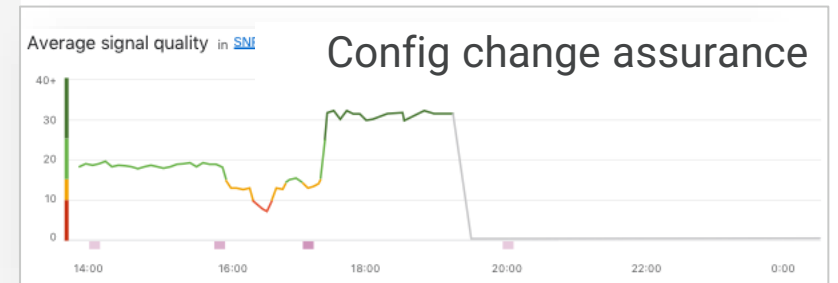
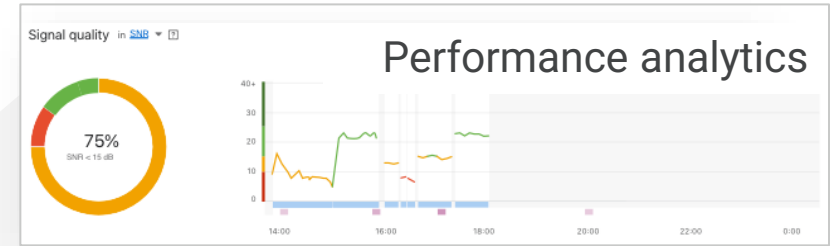
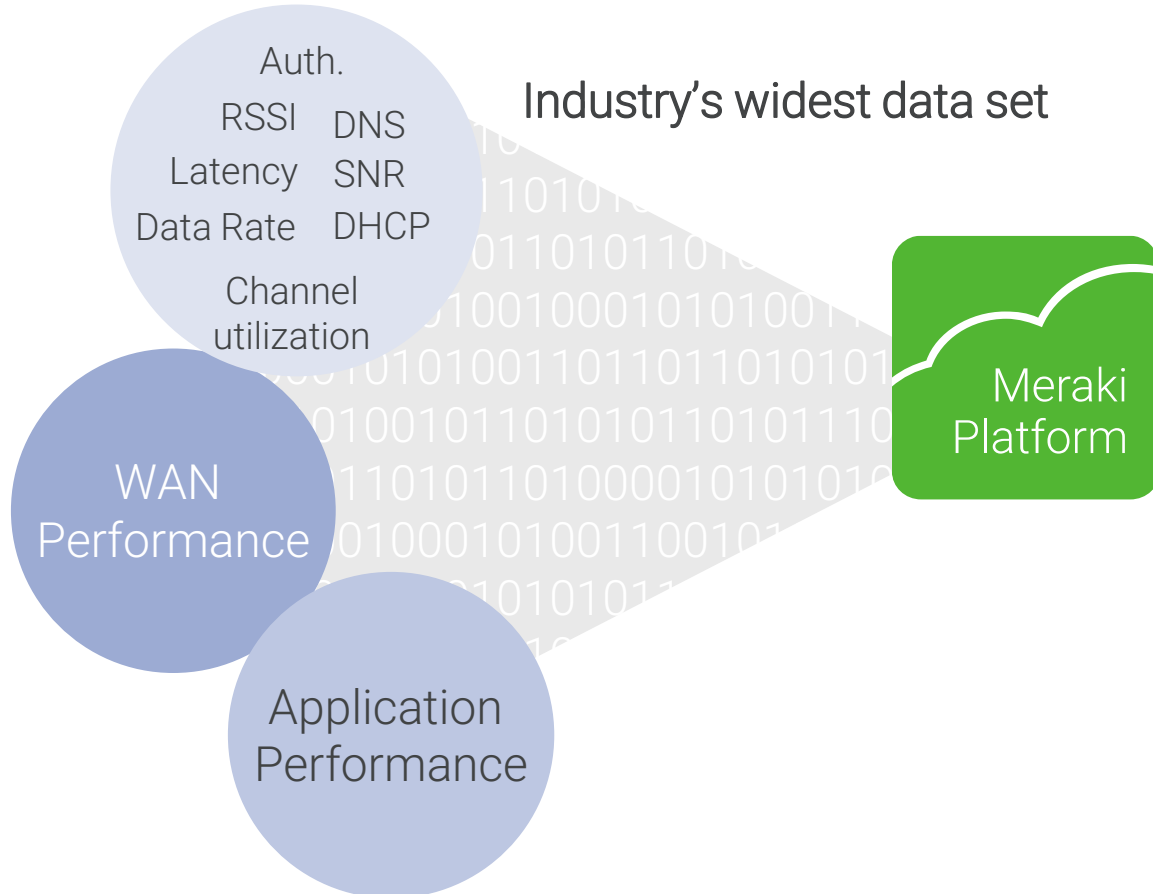
Wi-Fi connection failures

Regression models for forecasting

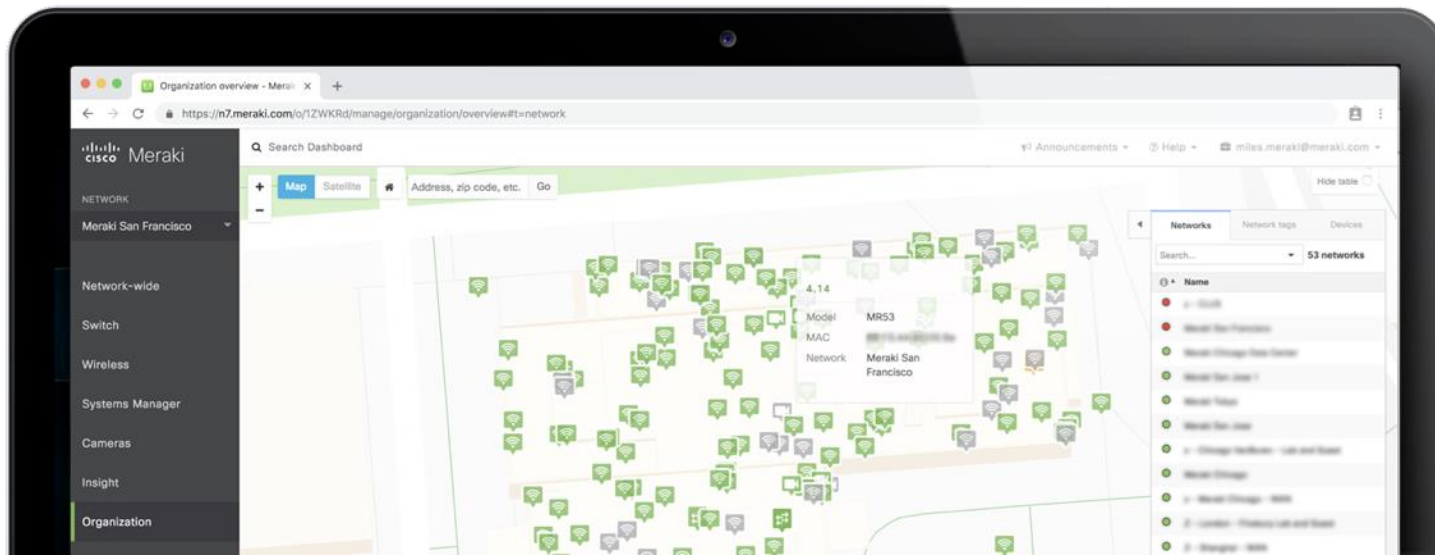
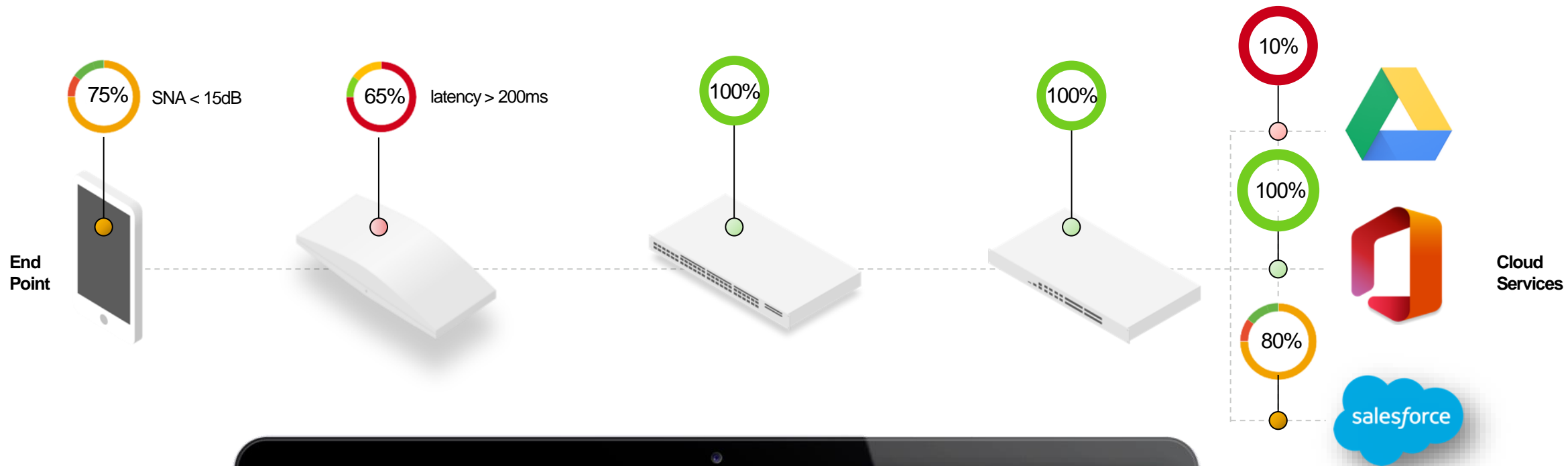
Access
Point



Using infrastructure insights for **better outcomes**



Automating assurance with Meraki Health



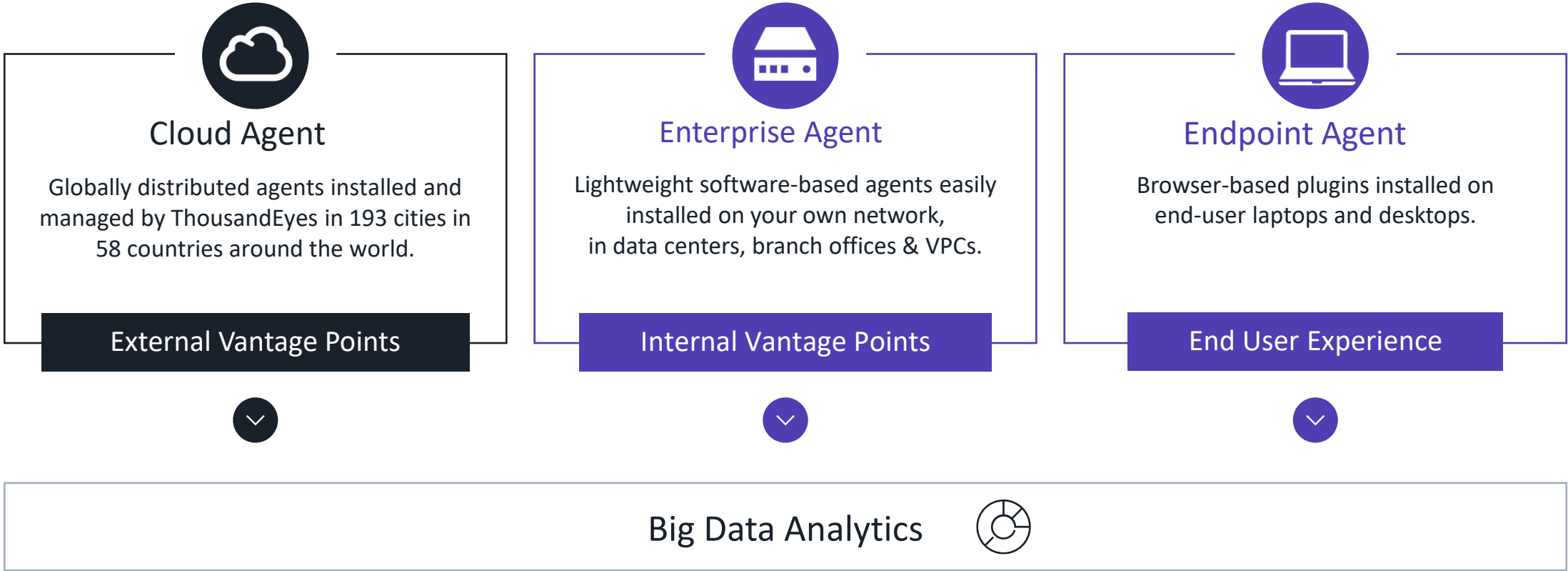


Meraki Insight Demo and APIs!

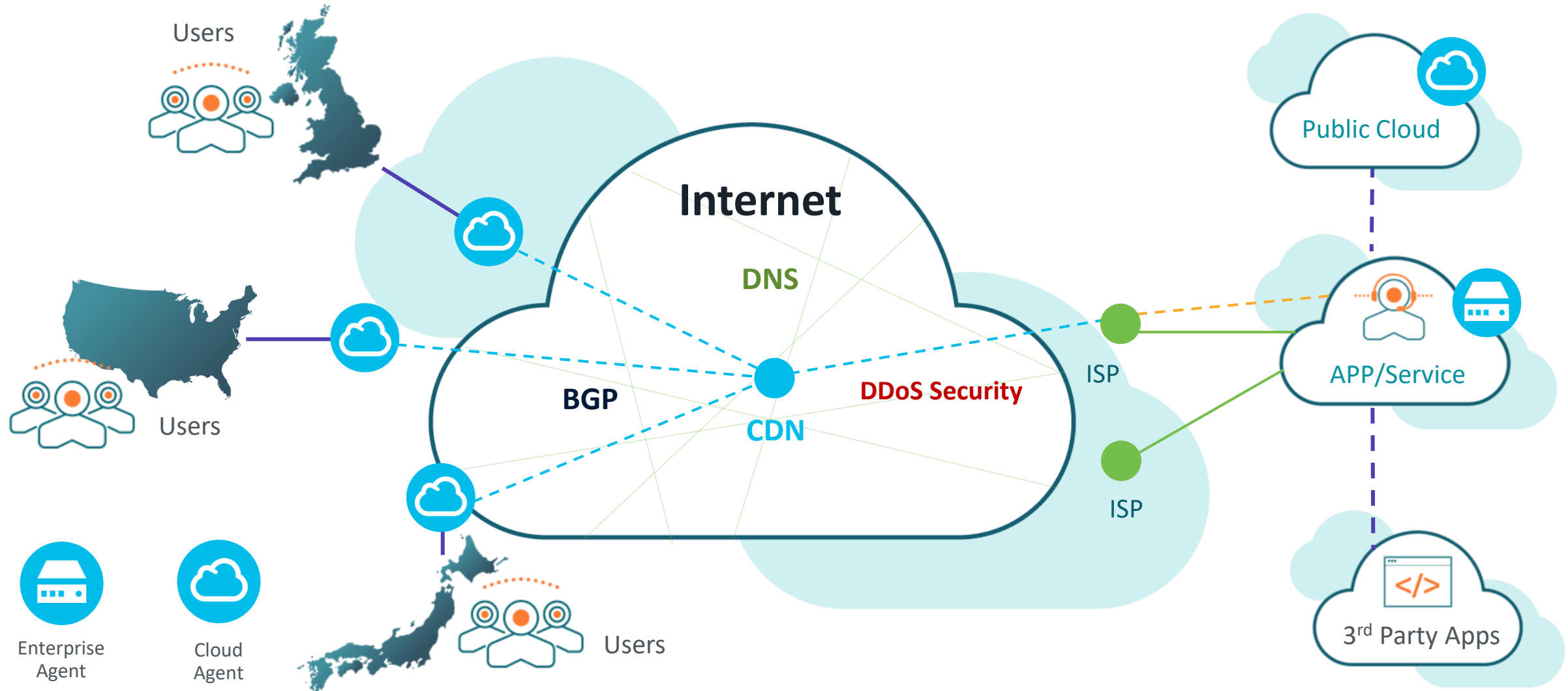
<https://dcloud2-rtp.cisco.com/content/instantdemo/cisco-meraki-network-and-application-assurance-v2-for-partners-instant-demo?returnPathTitleKey=content-view>

ThousandEyes

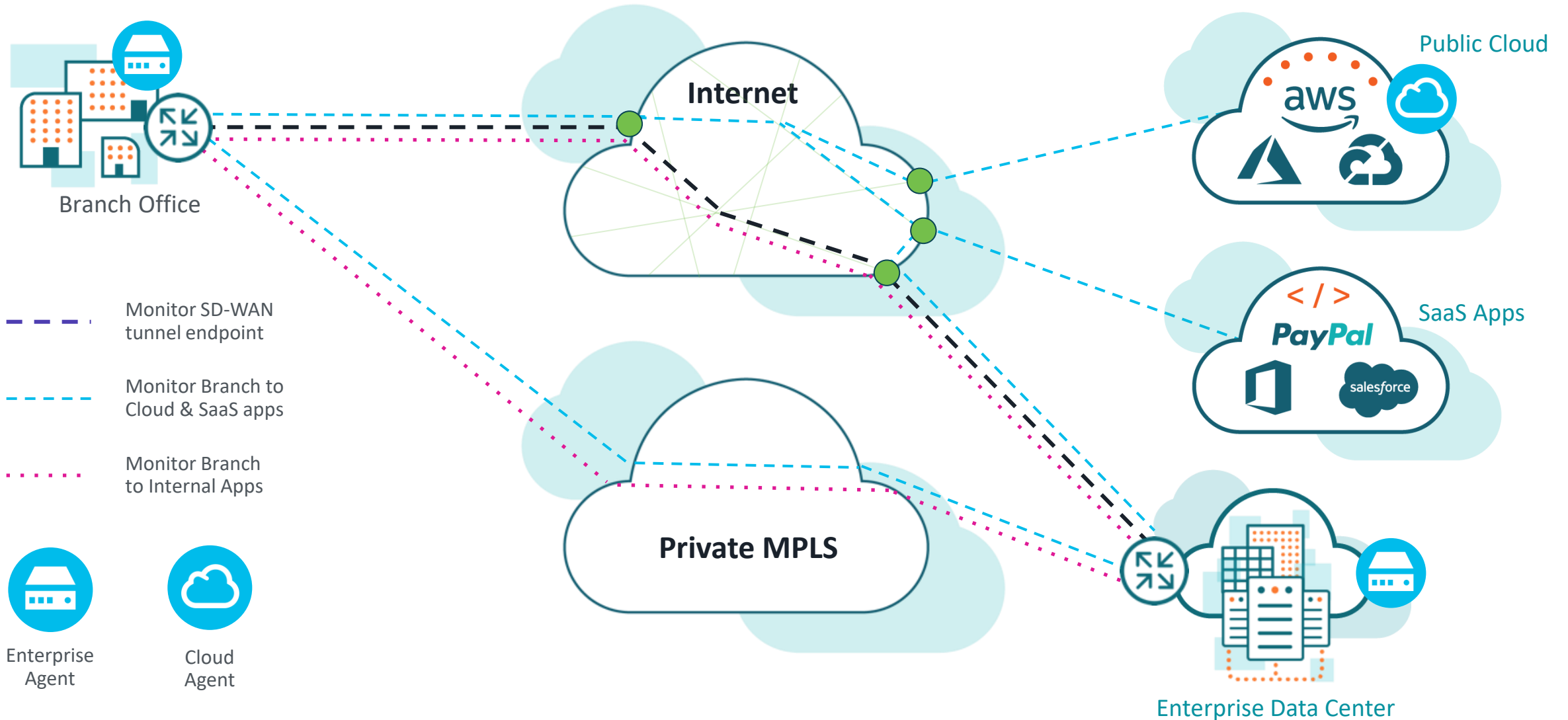
How is this done?



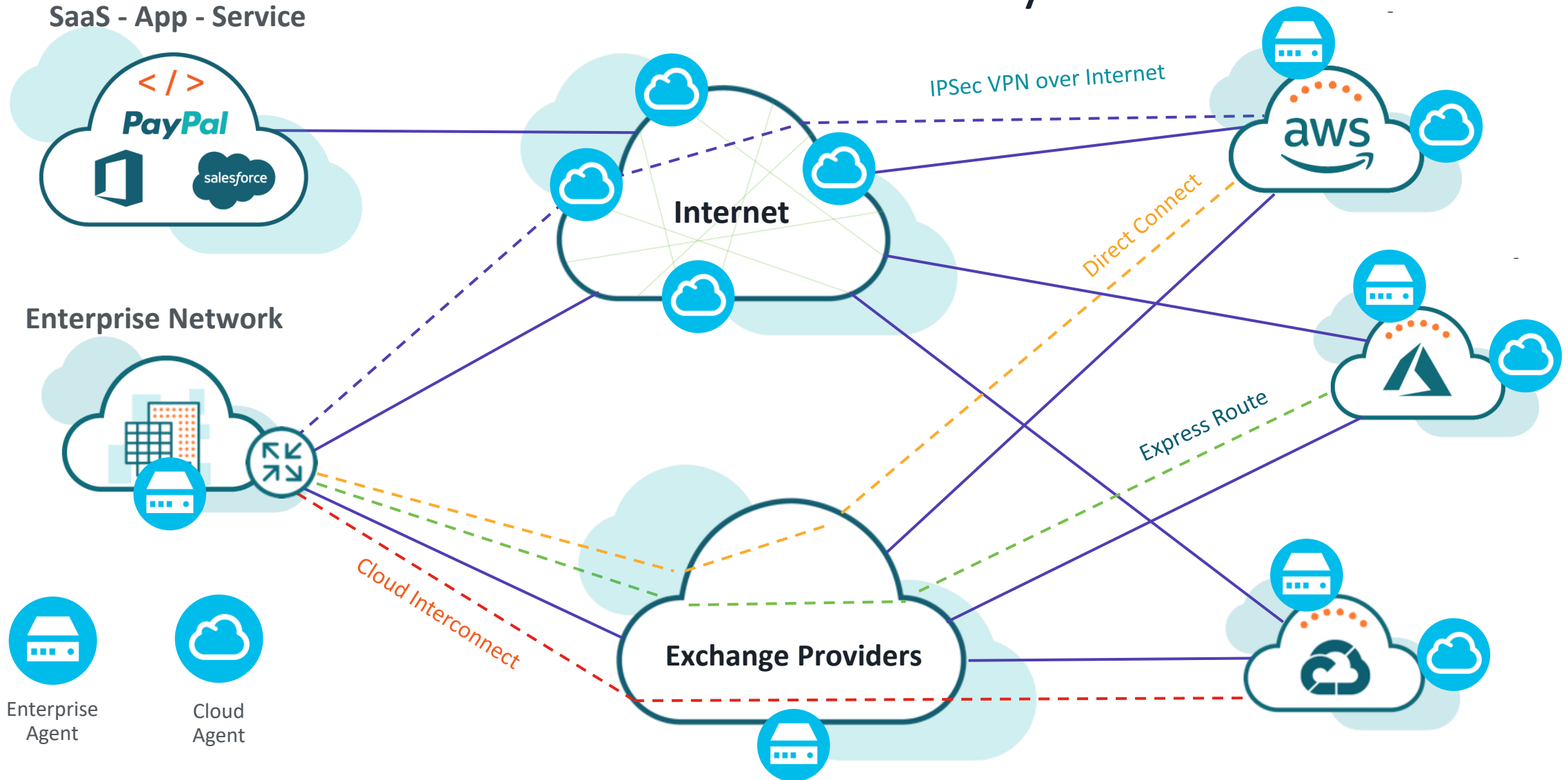
PaaS, IaaS adoption/migration networking observability



Internet and Hybrid Cloud Visibility

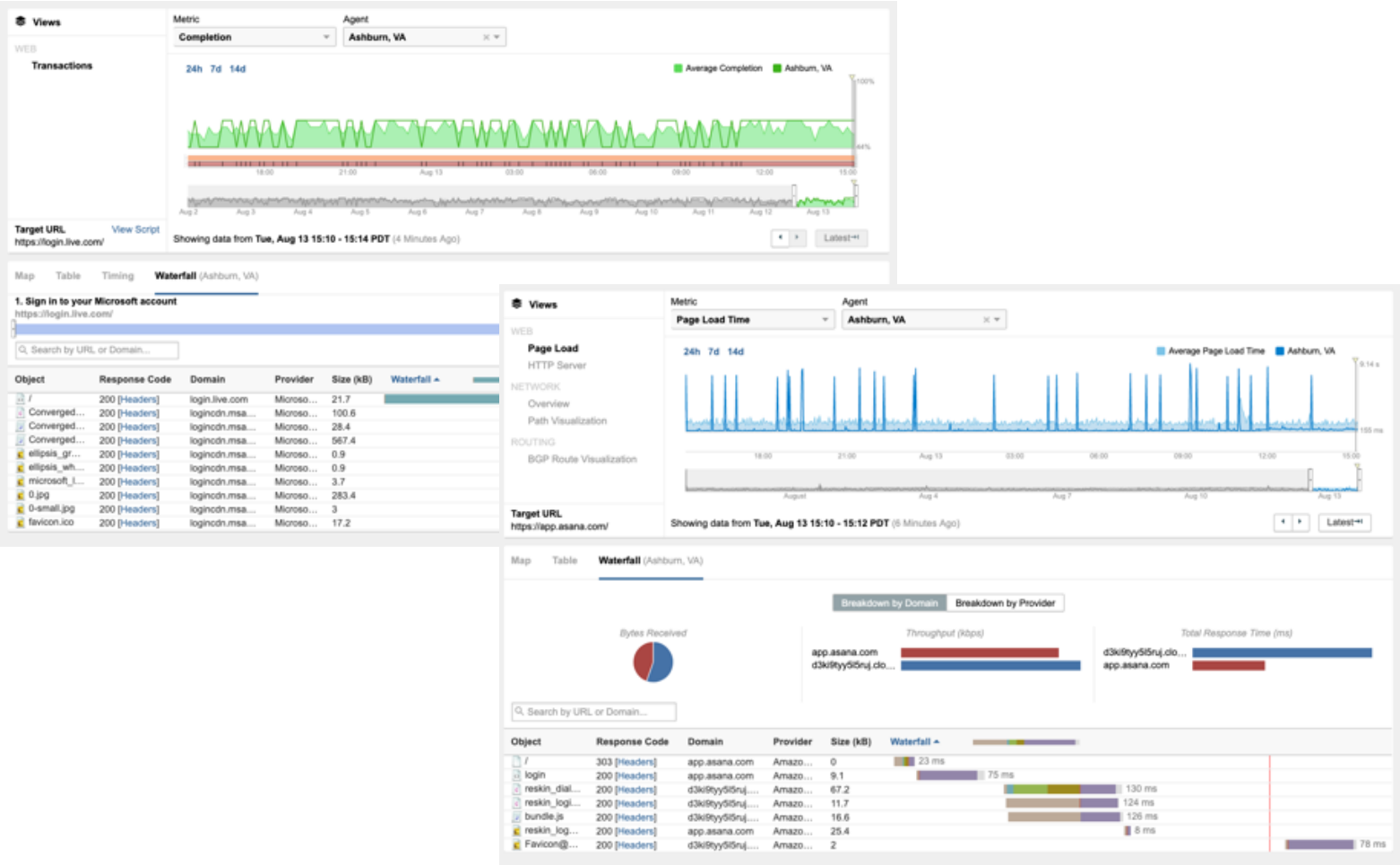


Multi-cloud visibility



Understand app experience with Web Synthetics

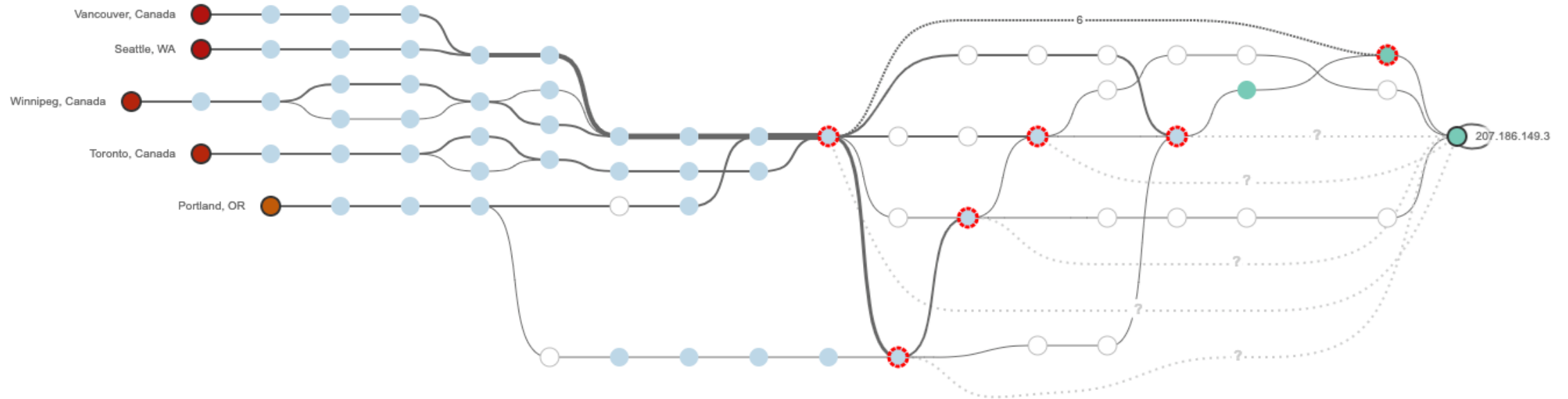
- Agent-based measurements of web applications
- Measure entire multi-page workflows simulating a complete user journey
- Multi-layer correlation
 - Transaction scripting
 - HTTP, Path Viz, BGP, Outages
- Baseline and track user experience with page load tests



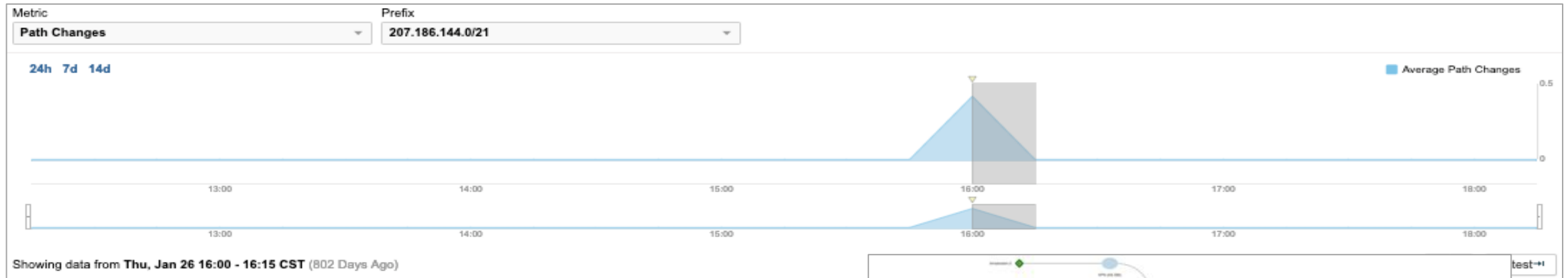
The gold standard for path visualization

- 16 categories of data and metrics
- Unified, interactive and tune-able visualization
- Hop-by-hop, multi-point, interactive
- Visual error indicators based on multiple metrics

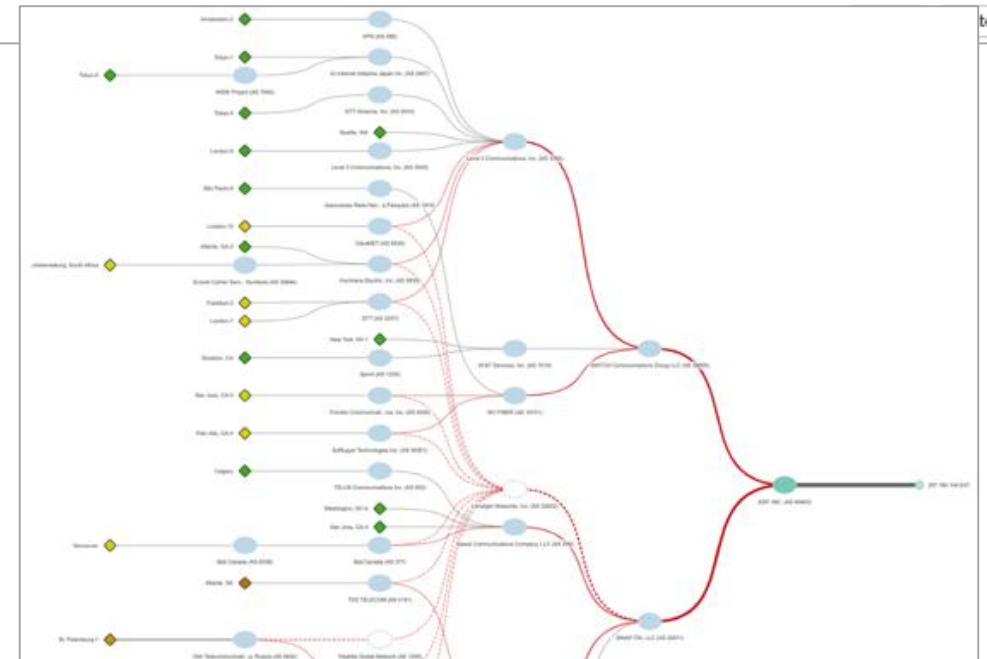
Outage Detected (1 node) ▾



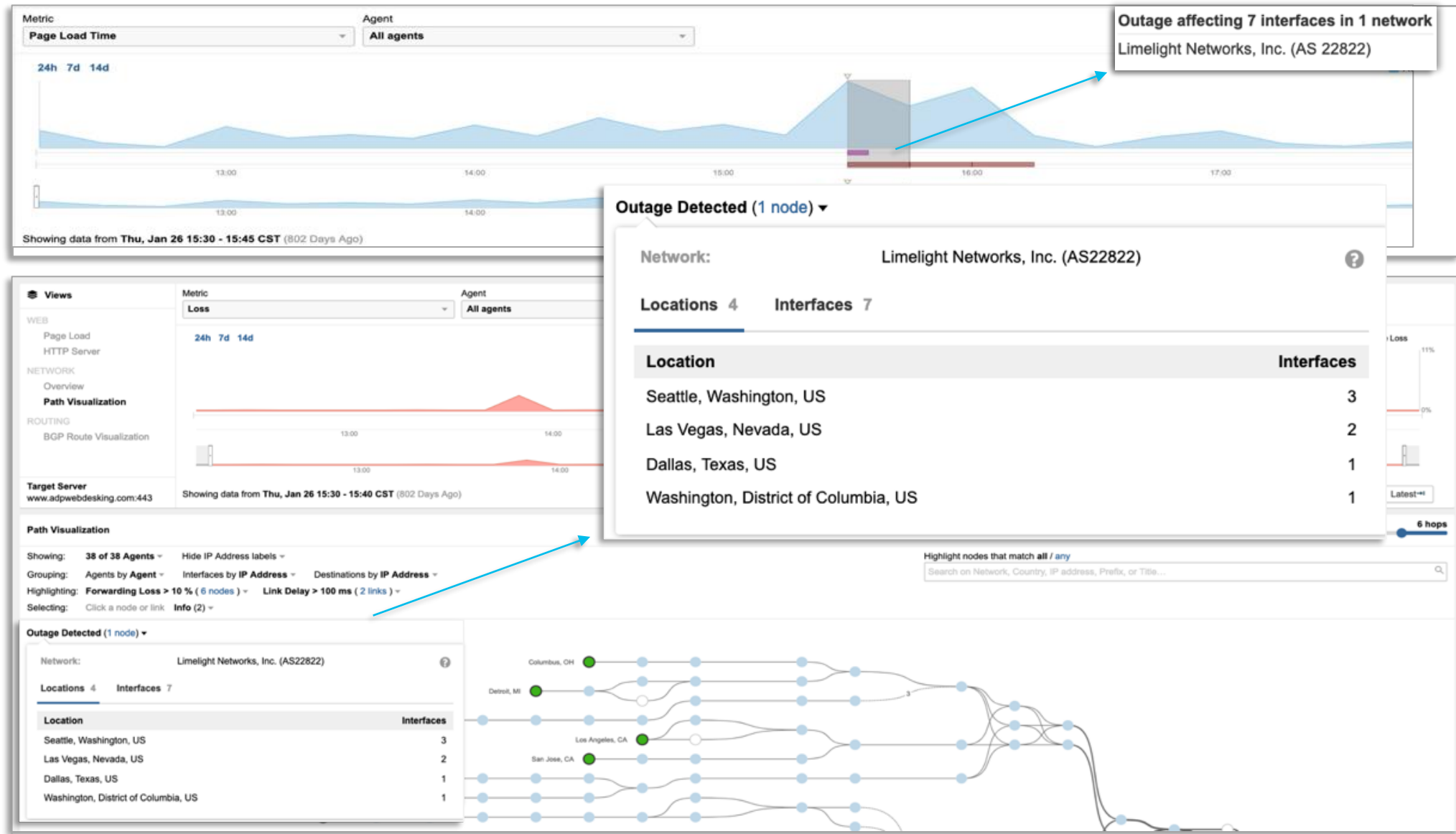
Industry's leading BGP monitoring



- Dozens of global BGP feeds for accuracy
- Metric history
 - reachability, path changes, updates
- World-class visualizations

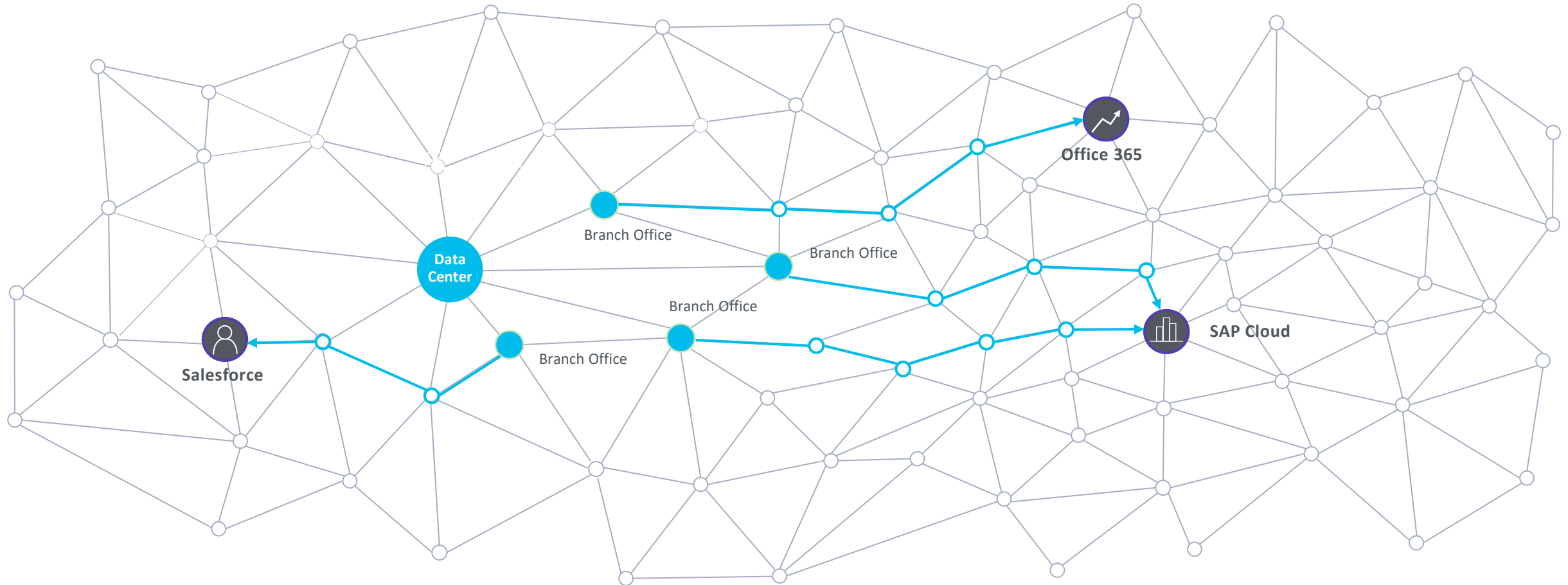


Collective intelligence: Outage detection



SaaS Experience Monitoring

Increase AIOps effectiveness with SaaS Applications network insights.



Can your users reach the services they need, as they expect?



ThousandEyes Demo and APIs!

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<https://dcloud2-rtp.cisco.com/content/instantdemo/cisco-full-stack-observability-instant-demo>

3 core Integrations

1

ThousandEyes Internet and Cloud Intelligence in AppDynamics Dash Studio

The native integration of ThousandEyes network and internet performance metrics into AppDynamics Dash Studio, AppDynamics's next generation dashboarding experience

2

Native Alerts Integration

Proactive outage detection through integrated, actionable alerting

3

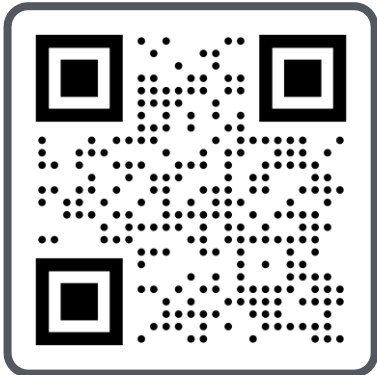
Snapshot Integration

Trigger ThousandEyes snapshots from AppDynamics

Learning next steps

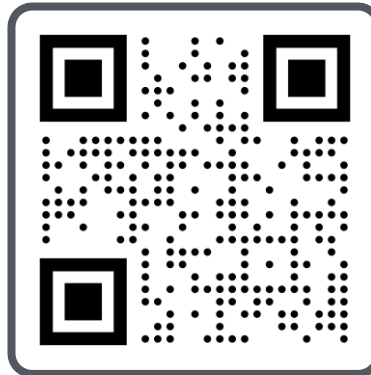
Visit the Infrastructure as
Code Dev Center:

developer.cisco.com/iac



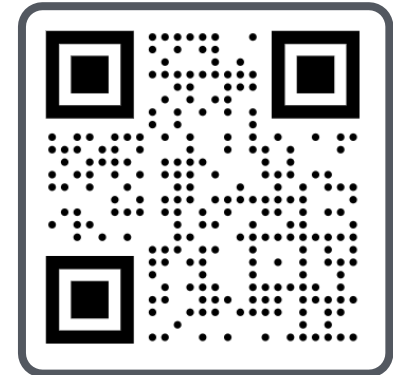
Read *Full-Stack Observability: A
Quick Intro for Networkers*

<http://cs.co/fsointro>



Connect with the *DevNet Inside
Story* site; sign up for Technical
Advisory Group

<https://cs.co/devnet>



TE API projects

<https://github.com/CiscoDevNet/ThousandEyes-Postman>

<https://github.com/flopach/thousandeyes-grafana-dashboard>

<https://github.com/CiscoDevNet/TE-Test-Automate>

<https://github.com/CiscoDevNet/SDWAN-TE-Integration>

<https://github.com/JPedro2/Cloud-Native-Demo>



Meraki Insight vs ThousandEyes

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How many agents I need?

Multi-Sensor



Cloud Agent



Enterprise Agent



Endpoint Agent

Single-Sensor



ThousandEyes Tests

Meraki Insight Tests

DNS layer	DNSSEC	Score of the domain. Scoring is done through a calculation considering DNS response time, ICMP and available goodput and order number .
	DNS Trace	
	DNS Server	
voice layer	Voice	VoIP Health MOS Score. Loss, Latency and Jitter
	RTP	
	SIP	
web layer	Transaction Test	Http Response time App Usage (in network) HTTP request time (in network) Loss, Latency and Jitter
	Page Load	
	HTTP Server	
L3	Network Test	Wan and LAN Visibility MOS Score. Loss, Latency , Jitter, Usage.
	BGP Monitoring	

