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ThousandEyes and Splunk

Better Together

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Agenda

- Quick poll on ThousandEyes
- What is ThousandEyes
- Key use cases for ThousandEyes
- Key integration concepts
- Integration examples
- Conclusion





Please download and install the Slido app on all computers you use



ThousandEyes Poll

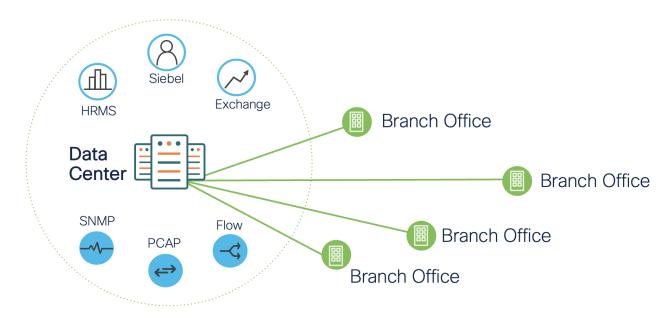


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What is ThousandEyes



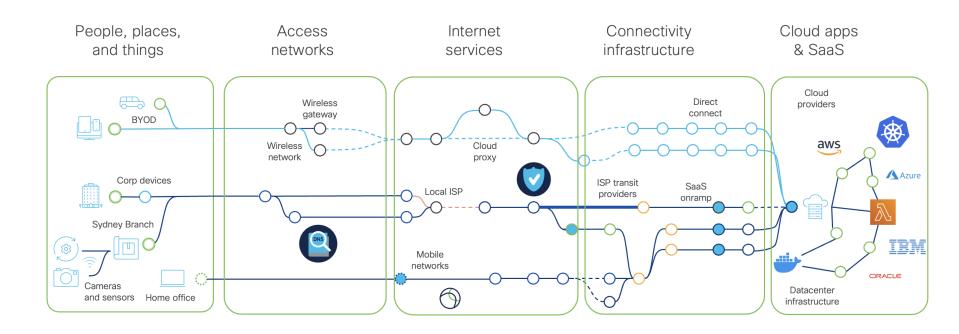
The way it was



IT managed digital experience by owning networks and applications

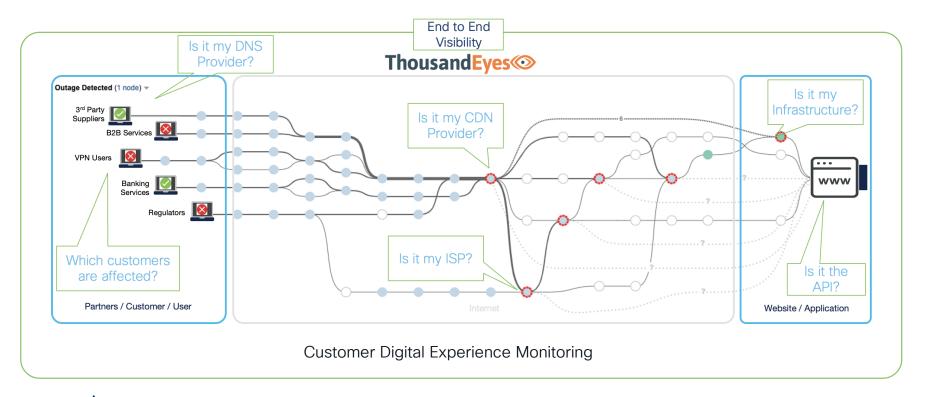


Todays service delivery chain



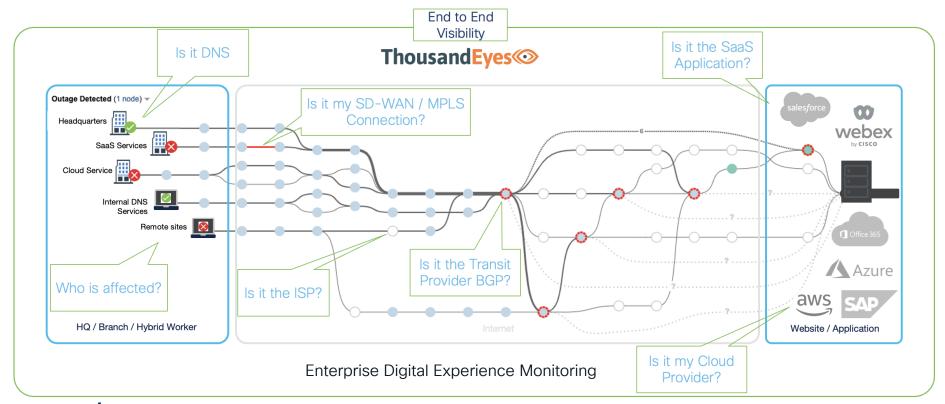


Can customers, partners, and employees reach my external services



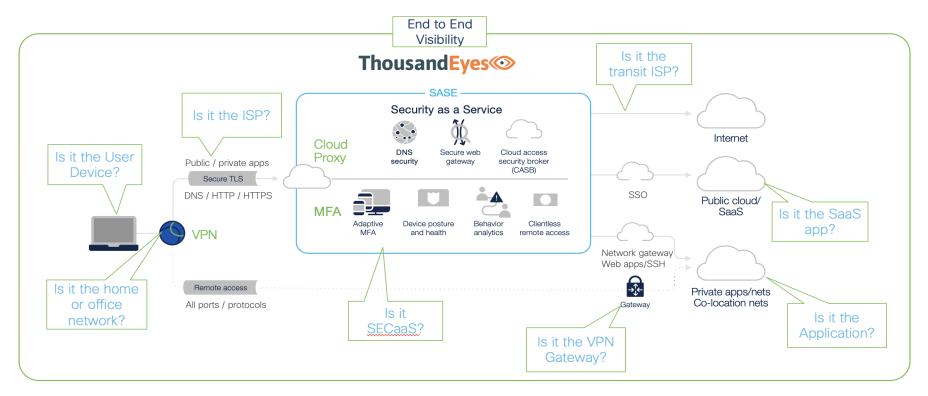


Can my employees access their applications





How can I support my individual users?





Workforce Digital Experience Monitoring

ThousandEyes Architecture





Globally distributed agents installed and managed by ThousandEyes in 200+ cities around the world.



ISP | Broadband | Cloud Provider



Enterprise Agents

Lightweight software-based agents easily installed on your own network, in data centers, branch offices and VPCs.



Cisco | Docker | Linux



Endpoint Agents

Browser-based plugins installed on end-user laptops and desktops.







Apple | Microsoft | RoomOS



ThousandEyes Agent Comparisons

Enterprise Agent Cloud Agent Counterprise Agent

- Inside-Out monitoring
- · Use for internal apps, SaaS and site-to-site / backbone
- On-prem deployment
 - · OVA / Physical Appliance
 - · Linux Package /NUC / rPI
 - Docker
 - · Cisco Cat 9k /ASR / ISR /Nexus 9k
 - Meraki MX



- Outside-In monitoring
- · Use for customer / public facing applications
- 400+ Locations
 - · Tier 2 / 3 service providers. broadband, cloud



www.thousandeves.com/product/cloud-agents

Endpoint Agent (=)

- Last-mile monitoring
- · Use for full location-agnostic end-to-end visibility: networks and applications
- Operating Systems:







Browsers:





















Introduction to the ThousandEyes and Splunk Integration



End-to-End Observability for Predictive, Proactive Digital Experience Assurance

	cisco ThousandEyes Assurance	splunk> a cisco company Observability
Distinct Purposes	Assuring digital experiences through end-to- end visibility into all networks and services that affect app performance and delivery	Enabling organizations to quickly identify and resolve business-impacting issues by providing unified visibility across network, infrastructure, and applications.
Complementary Use Cases	 Assuring application reachability Troubleshooting remote worker issues Forecasting SD-WAN performance Correlating Internet health and events 	 Monitoring critical business processes Incident response & root cause analysis Performance optimization for apps & infrastructure Tracking critical user journeys



Key Splunk Tenants

Splunk Enterprise is the core product offered by Splunk.

- First released in 2006 and has since become the flagship product of the company
- Self-hosted solution that allows organizations to collect, index, search, analyze, and visualize
 the data generated by their technology infrastructure, security systems, and business
 applications.

Splunk Cloud Platform is essentially Splunk Enterprise offered as a Software-as-a-Service (SaaS) solution.

 Launched in 2013 to provide customers with the flexibility of the cloud while leveraging the powerful features of Splunk Enterprise.

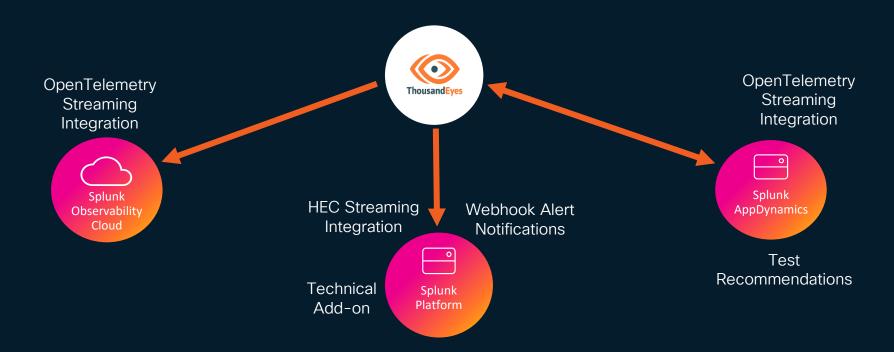
Splunk Observability Cloud is a more recent addition to Splunk's product lineup, reflecting the company's expansion into the observability space.

• Launched in 2021, following Splunk's acquisitions of SignalFx and Omnition, which helped to bolster its capabilities in monitoring and observability.

Splunk Core



ThousandEyes integrations types with Splunk





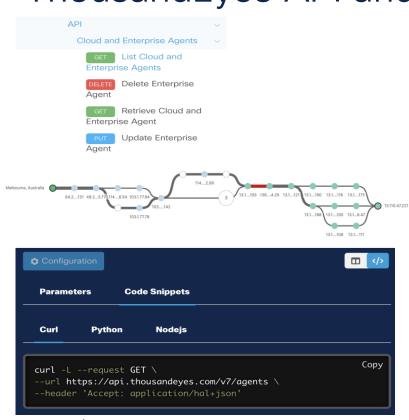
What is OpenTelemetry (Otel)?

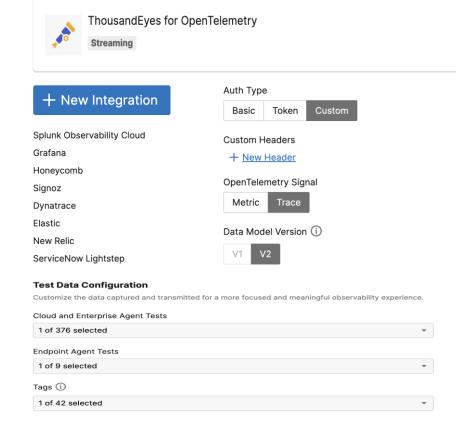
OpenTelemetry is an open-source project that provides a vendor-neutral, standardized way to instrument, generate, collect, and export telemetry data for cloud-native applications.



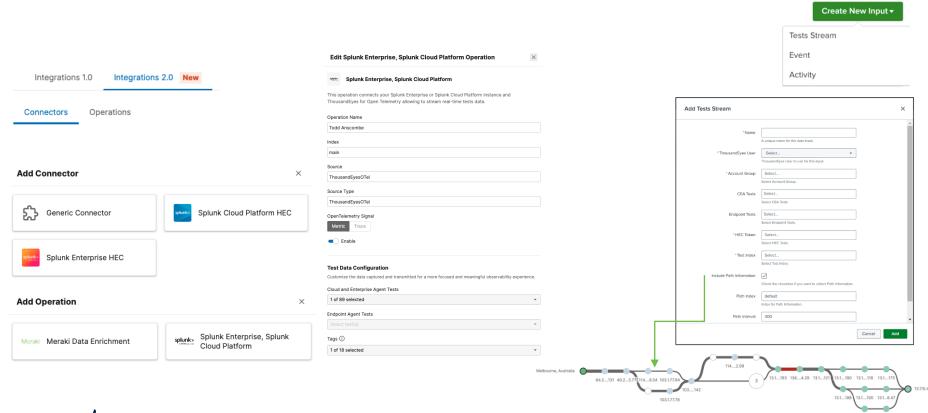


ThousandEyes API and OTel Integration





ThousandEyes UI and TA Add On Integration

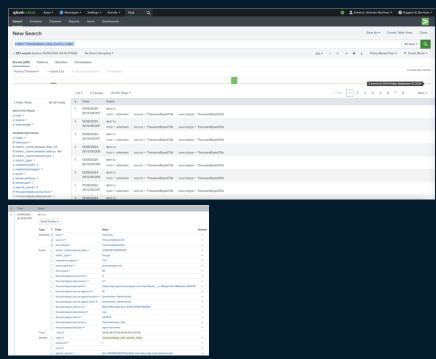


ThousandEyes and Splunk Integration Examples



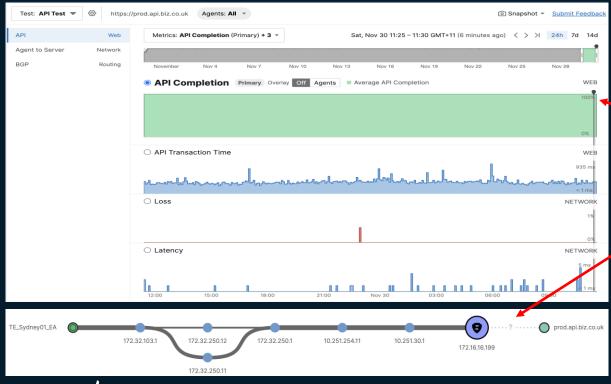
External Customer Experience Monitoring







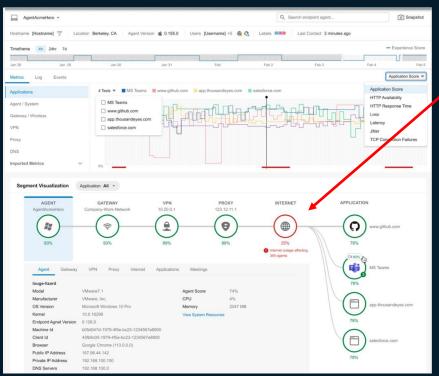
Extending Proxy Visibility



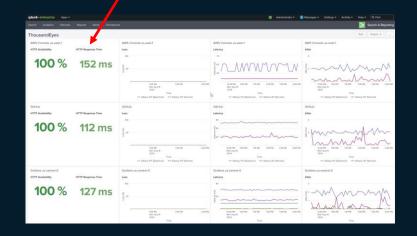
The API test is completing but the network path is being obscured by the proxy.



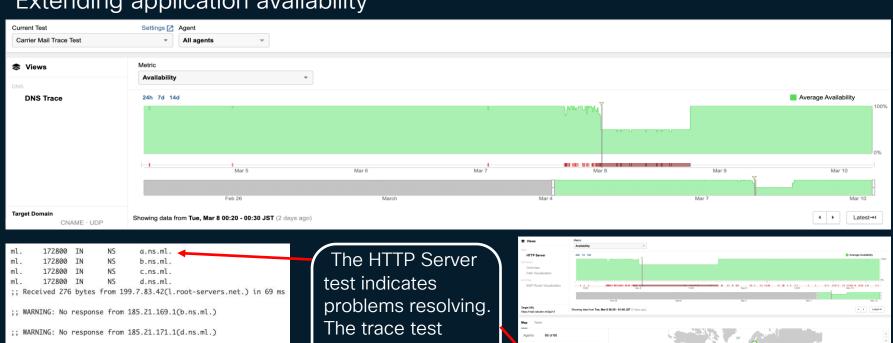
Extending Remote User Visibility



APM performance remains consistent, yet remote users are complaining about poor app experience



Extending application availability



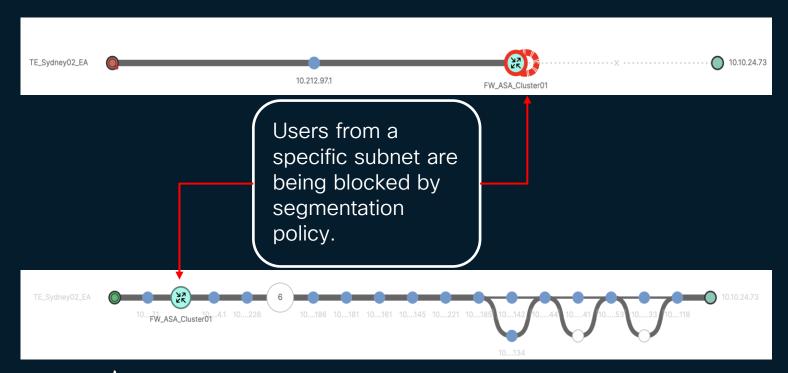
:: WARNING: No response from 185.21.170.1(c.ns.ml.) ;; WARNING: No response from 185.21.168.1(a.ns.ml.) ;; ERROR: No servers could be reached

indicates a problem with the TLD



BRKOPS-2167

SIEM Security - Policy Management





Webex App

Questions?

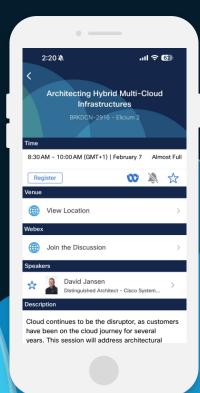
Use the Webex app to chat with the speaker after the session

How

- 1 Find this session in the Cisco Events mobile app
- Click "Join the Discussion"
- 3 Install the Webex app or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until February 28, 2025.





Fill Out Your Session Surveys



Participants who fill out a minimum of 4 session surveys and the overall event survey will get a unique Cisco Live t-shirt.

(from 11:30 on Thursday, while supplies last)





All surveys can be taken in the Cisco Events mobile app or by logging in to the Session Catalog and clicking the 'Participant Dashboard'



Content Catalog



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Thank you



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