

CISCO *Live!*

ALL IN

#CiscoLive



The bridge to possible

Hyper-tuning the Network Through Proactive Insights

ThousandEyes WAN Insights

Mike Hicks
@apnoau
PSOAPP-1011



#CiscoLive

Cisco Webex App

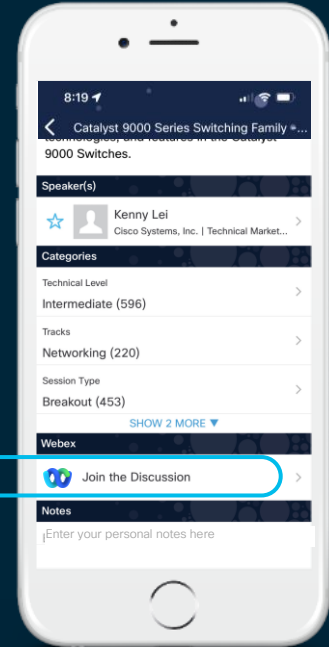
Questions?

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

How

- 1 Find this session in the Cisco Live Mobile App
- 2 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 June 17, 2022.



<https://ciscolive.ciscoevents.com/ciscolivebot/#PSOAPP-1011>



Agenda

- A New World
- Reactive vs Proactive
- Predictive Network Assurance
- Forecast, recommend and Improve
- Journey to self-optimizing networks

A new world

Digitization of the business
– Highly dynamic
heterogeneous digital
landscape



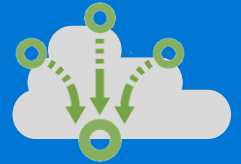
...with new challenges

Maximize digital
experience

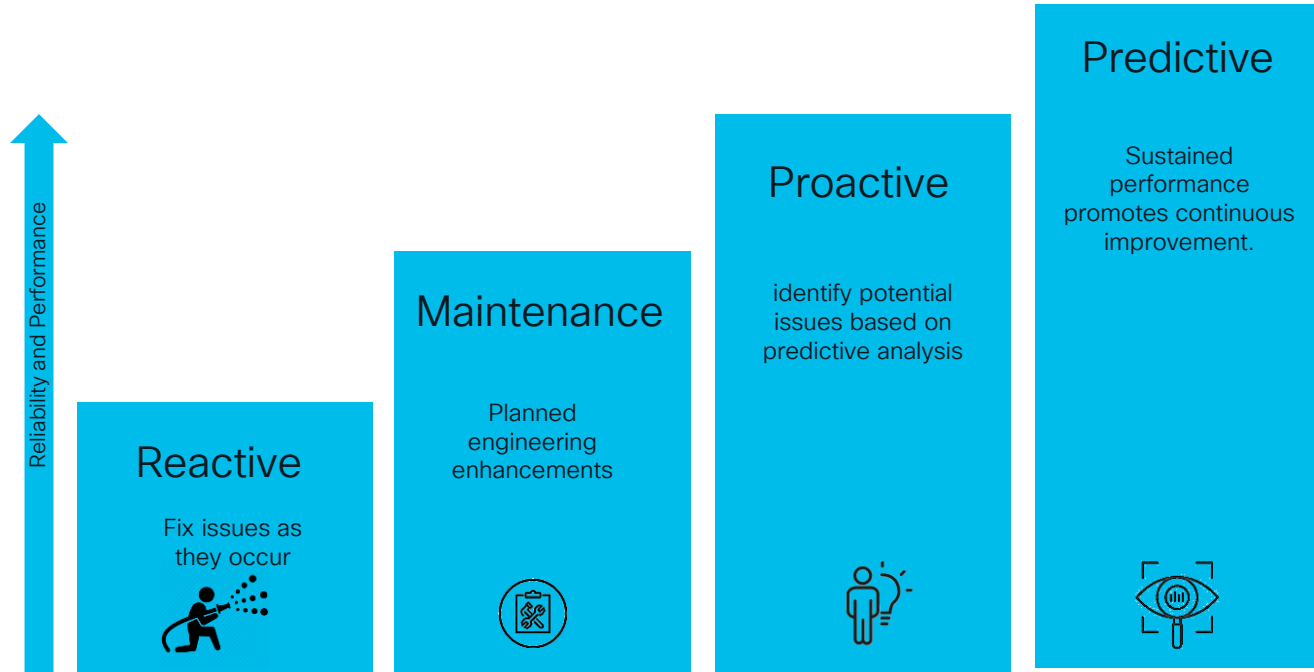


It's not about infrastructure
—it's about experience

Move from reactive
to proactive



Stop Reacting , Start Preventing.



Predictive network assurance for digital experience transformation

ThousandEyes WAN Insights

Forecasts conditions

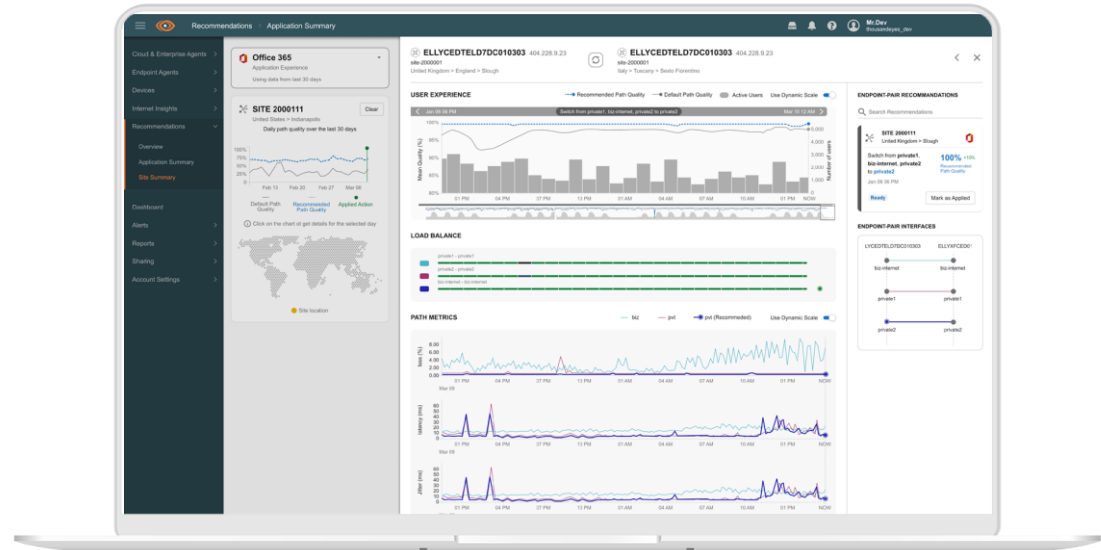
Identifies expected issues based on predictive analysis

Recommends actions

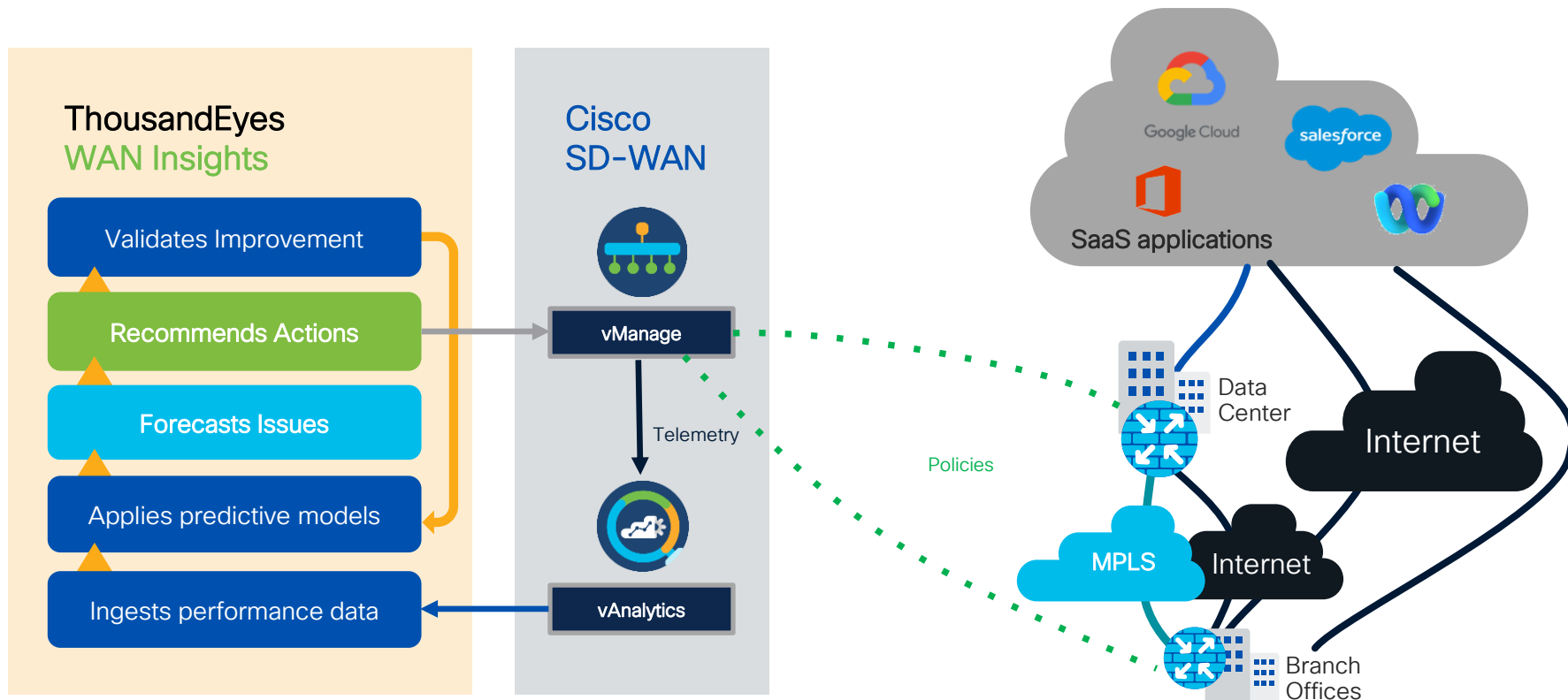
Provides specific steps to improve application experience

Improves experience

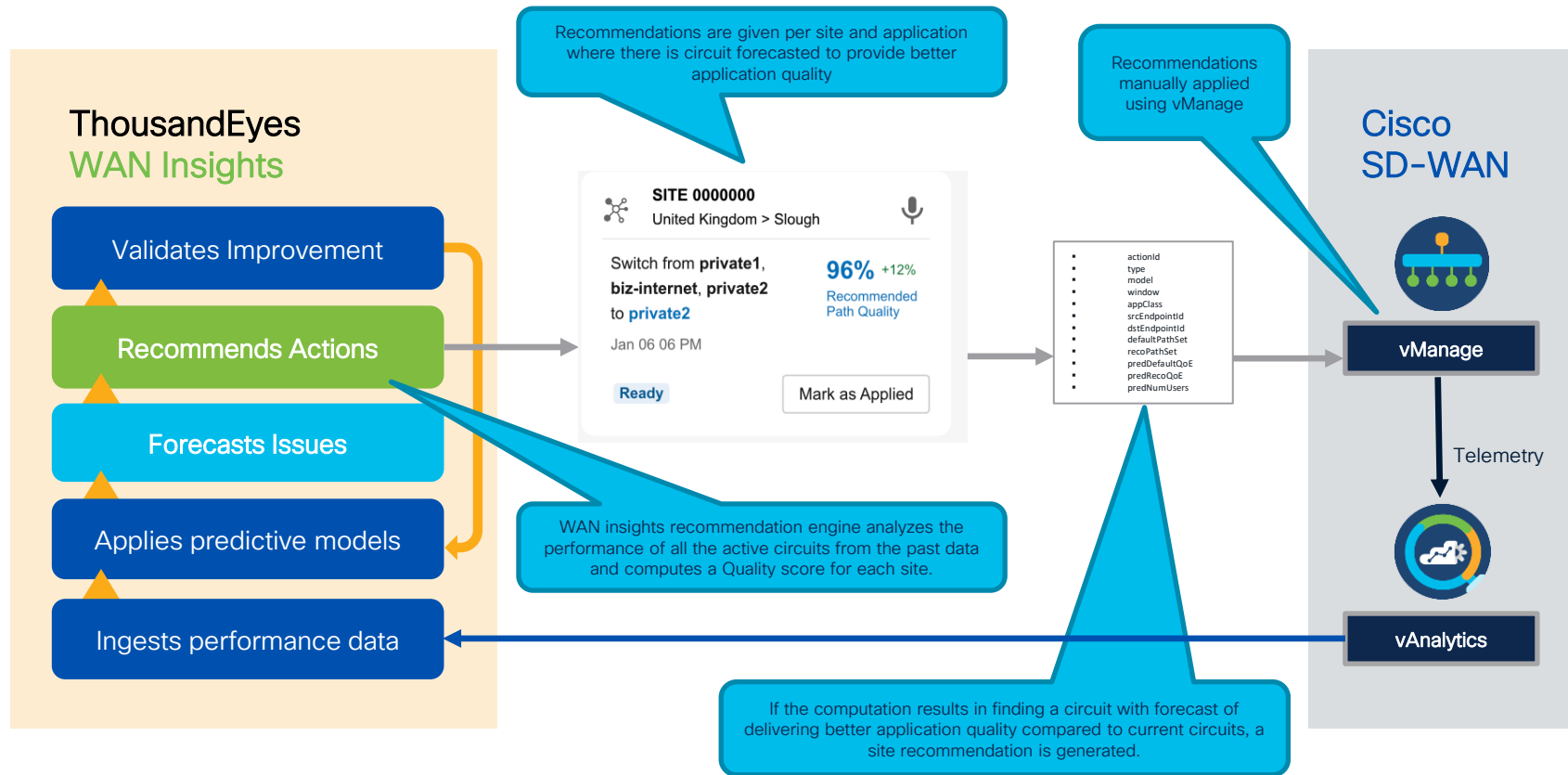
Sustained improvement over a longer period of time - promotes continuous improvement.



Predictive Optimization with Cisco SD-WAN



Understanding and Applying Recommendations



Forecast, Recommend and Improve

ThousandEyes WAN Insights

Validates improvement

Recommends Actions

Forecasts Issues

Applies predictive models

Ingests performance data

Workforce digital experience

Improved user experience, by avoiding user degradation before it happens- Tune SD-WAN routing policies per site to avoid performance issues and measurably improve user experience.

Policy Optimisation and Verification

Verification and validation that implemented policies meet business requirements for all locations.

Network Planning

Cross correlate with outage conditions to verify provider choices. Provide perpetual improvement cycle optimizing network and application performance over time



Cloud & Enterprise Agents >

Endpoint Agents >

Devices >

Internet Insights >

WAN Insights >

Overview

Application Summary

Site Summary

Dashboard

Alerts >

Reports >

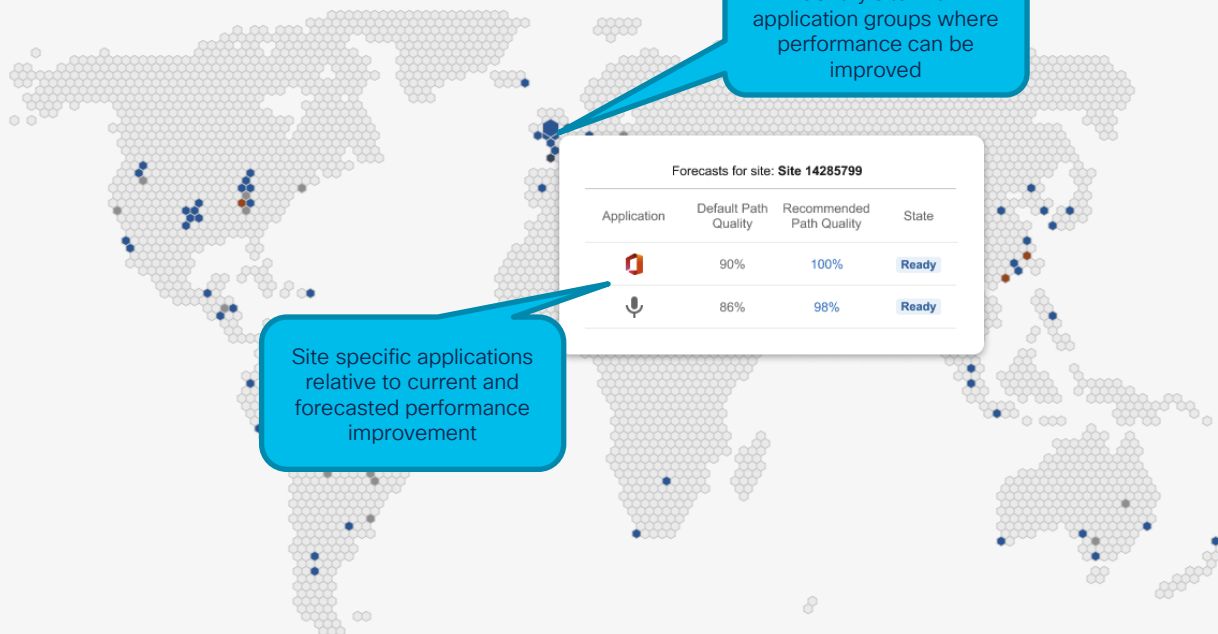
Sharing >

Account Settings >

Site Recommendations

Click on the tag to toggle on recommendation state

Stale Ready Applied Reverted No Recommendation



Site Recommendations

Recommended actions

Search Recommendations



SITE 142857

United States > Indianapolis

Switch from **private1**,
biz-internet, **private2**
to **biz-internet**96% ▲6%
Recommended
Path Quality

Jun 06 02 PM

Ready

Mark as Applied



SITE 142857

United States > Indianapolis

Switch from **private1**,
biz-internet, **private2**
to **private2**98% ▲6%
Recommended
Path Quality

Jun 06 02 PM

Ready

Mark as Applied



SITE 31415926

India > Pune

Switch from **private1**,
biz-internet, **private2**
to **private2**96% ▲+7%
Recommended
Path Quality

Jun 06 02 PM

Ready

Mark as Applied



SITE 5358979

United Kingdom > Slough

Switch from **private1**,
biz-internet, **private2**
to **private2**92% ▲+7%
Recommended
Path Quality

Jun 06 02 PM

Ready

Mark as Applied

- Cloud & Enterprise Agents >
- Endpoint Agents >
- Devices >
- Internet Insights >
- Alerts >
- Reports >
- Sharing >
- Account Settings >

Office 365
Application Experience
Using data from last 30 days

SITE 142857

United States > Indianapolis

Daily path quality over the last 30 days



Click on the chart to get details for the selected day

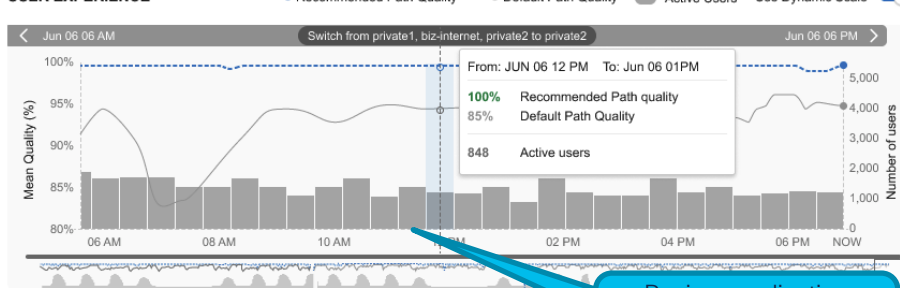


Site location

SITE 142857

United States > Indianapolis

USER EXPERIENCE



ENDPOINT PAIRS WITH TRAFFIC

Search Forecasts

ZXCVBNMASDFGH000000 (124.111.10.1) site-142857	ZXCVBNMASDFGH000001 (124.111.101.101) site-78945612	629	88%	98%	Show Path and QOS Details
ZXCVBNMASDFGH000000 (124.111.10.1) site-142857	ZXCVBNMASDFGH000005 (124.100.10.1) site-142857	629	88%	98%	Show Path and QOS Details
ZXCVBNMASDFGH000000 (124.111.10.1) site-142857	ZXCVBNMASDFGH000011 (194.112.10.8) site-142857	629	88%	98%	Show Path and QOS Details
ZXCVBNMASDFGH000000 (124.111.10.1) site-142857	ZXCVBNMASDFGH000345 (88.111.10.1) site-142857	629	88%	98%	Show Path and QOS Details
ZXCVBNMASDFGH000000 (124.111.10.1) site-142857	ZXCVBNMASDFGH000269 (124.111.90.1) site-142857	629	88%	98%	Show Path and QOS Details

Site Recommendations

Search Recommendations

SITE 142857
United States > Indianapolis

Switch from **private1, biz-internet, private2** to **biz-internet**

96% ▲ 8%
Recommended Path Quality

Jun 06 02 PM

[Ready](#) [Mark as Applied](#)

Application group context provides capability to focus recommendations relative to business-critical applications

Review application quality of experience relative to active users

Prioritize based on endpoints and user metrics



Cloud & Enterprise Agents >

Endpoint Agents >

Devices >

Internet Insights >

WAN Insights >

Overview

Application Summary

Site Summary

Dashboard

Alerts >

Reports >

Sharing >

Account Settings >



Office 365

Application Experience

Using data from last 30 days



SITE 0000000

United States > Indianapolis

Daily path quality over the last 30 days



Click on the chart to get details for the selected day



Site location



ZXCVCBNMASDFGH000000 124.111.10.1

site-142857

United States > Indianapolis



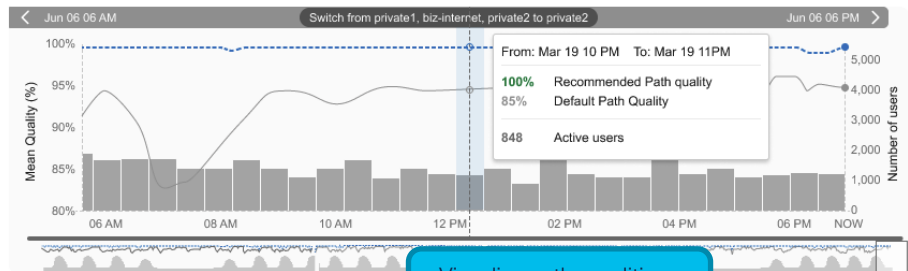
ZXCVCBNMASDFGH000001 124.111.101.101

site-78945612

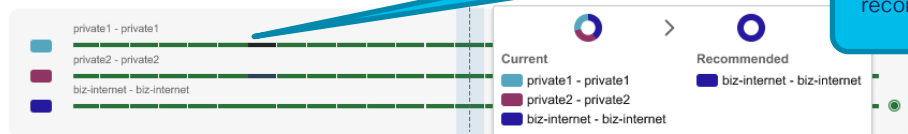
Italy > Tuscany > Sesto Fiorentino

USER EXPERIENCE

Recommended Path Quality Default Path Quality Active Users Use Dynamic Scale

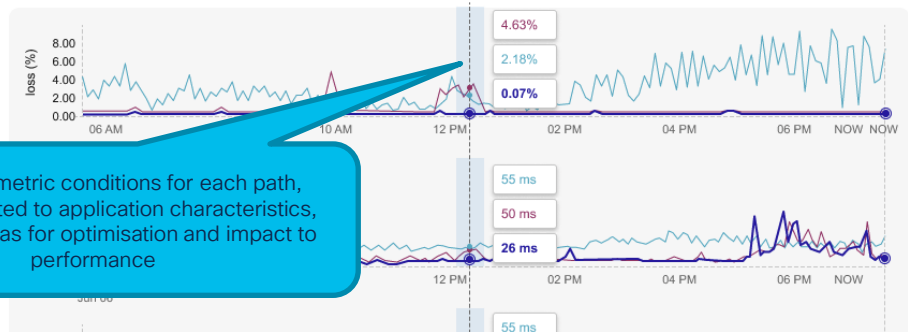


LOAD BALANCE



PATH METRICS

biz pvt pvt (Recommended) Use Dynamic Scale



ENDPOINT-PAIR RECOMMENDATIONS

Search Recommendations



SITE 142857

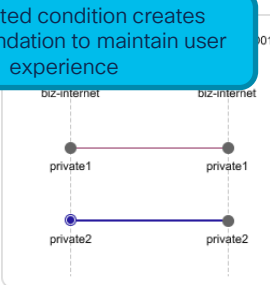
United States > Indianapolis

Switch from private1,
biz-internet, private2
to biz-internet

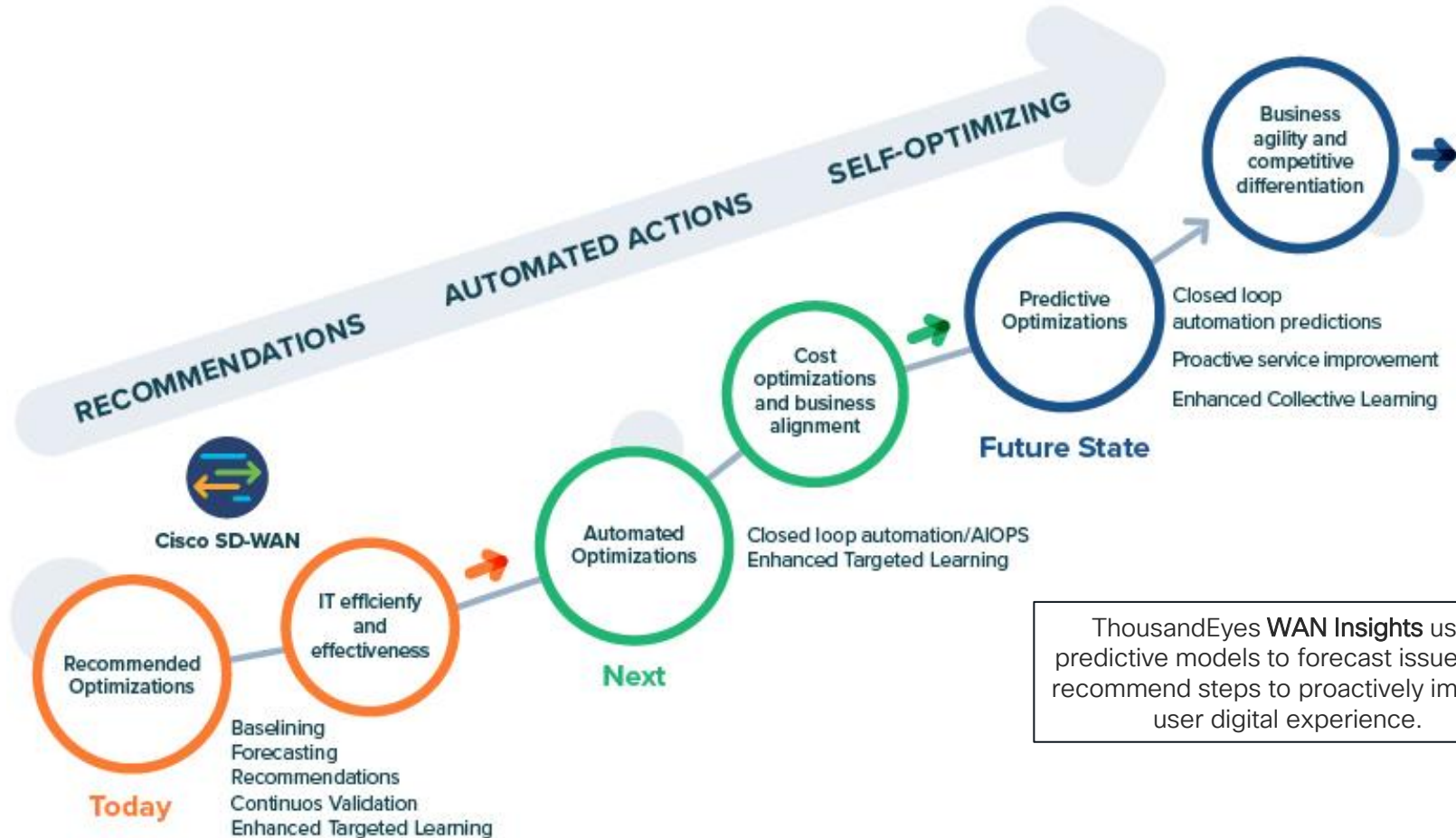
Jun 06 02 PM

Ready

Mark as Applied



Journey to self-optimizing networks and services



Technical Session Surveys

- Attendees who fill out a minimum of four session surveys and the overall event survey will get Cisco Live branded socks!
- Attendees will also earn 100 points in the Cisco Live Game for every survey completed.
- These points help you get on the leaderboard and increase your chances of winning daily and grand prizes.



Cisco Learning and Certifications

From technology training and team development to Cisco certifications and learning plans, let us help you empower your business and career. www.cisco.com/go/certs

Pay for Learning with Cisco Learning Credits

(CLCs) are prepaid training vouchers redeemed directly with Cisco.



Learn

Cisco U.

IT learning hub that guides teams and learners toward their goals

Cisco Digital Learning

Subscription-based product, technology, and certification training

Cisco Modeling Labs

Network simulation platform for design, testing, and troubleshooting

Cisco Learning Network

Resource community portal for certifications and learning



Train

Cisco Training Bootcamps

Intensive team & individual automation and technology training programs

Cisco Learning Partner Program

Authorized training partners supporting Cisco technology and career certifications

Cisco Instructor-led and Virtual Instructor-led training

Accelerated curriculum of product, technology, and certification courses



Certify

Cisco Certifications and Specialist Certifications

Award-winning certification program empowers students and IT Professionals to advance their technical careers

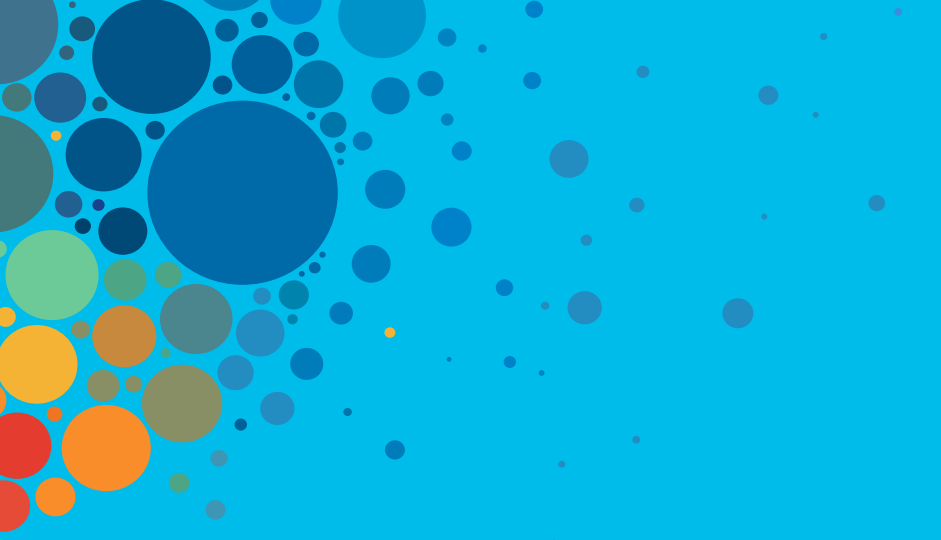
Cisco Guided Study Groups

180-day certification prep program with learning and support

Cisco Continuing Education Program

Recertification training options for Cisco certified individuals

Here at the event? Visit us at **The Learning and Certifications lounge at the World of Solutions**



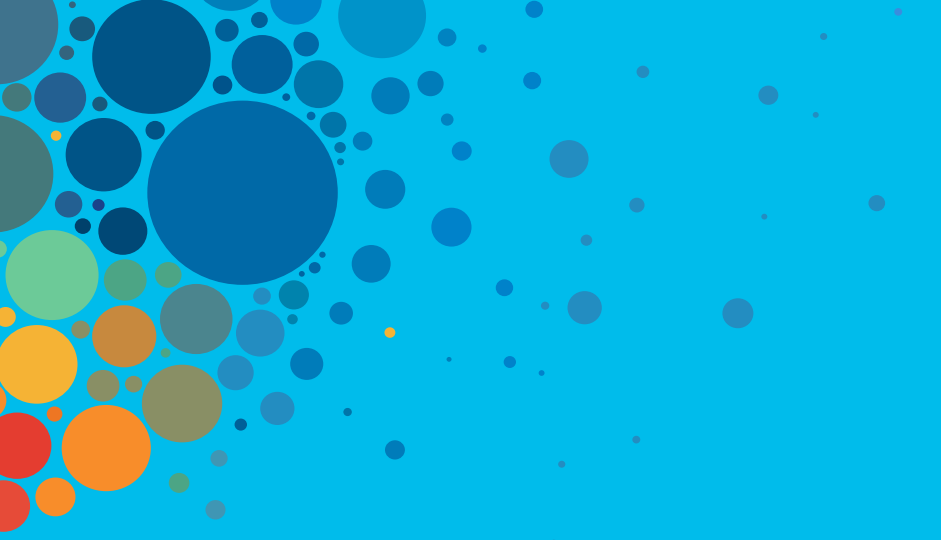
Continue your education

Visit the Cisco ThousandEyes booth to speak with WAN Insights engineering team

Book a private demo and Engineer meeting

Read the ThousandEyes blog for more details

<https://www.thousandeyes.com/blog/announcing-thousandeyes-wan-insights>



Continue your education

- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



The bridge to possible

Thank you

CISCO *Live!*



#CiscoLive