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The bridge to possible

Transform Network Operations Using Secure Connectivity with Intelligent Insights

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PSOENT-1003



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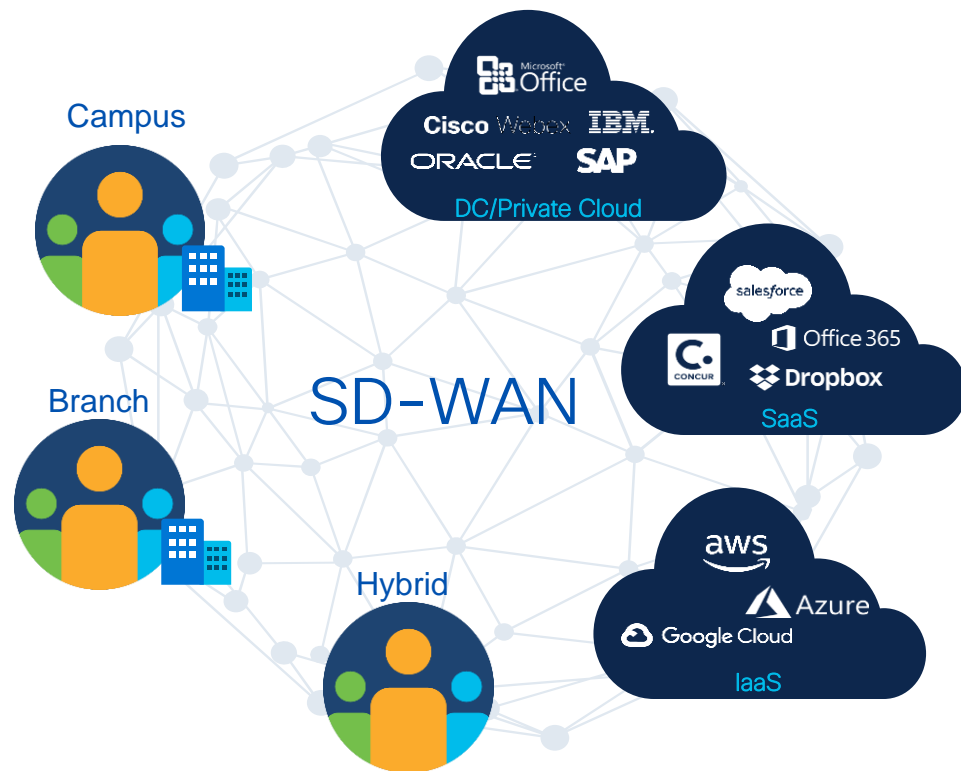
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Agenda

- Challenges with visibility in SD-WAN network
- Cisco SD-WAN Analytics
- What is Cisco vAnalytics – Demo
- Cisco vAnalytics and ThousandEyes WAN Insights – Demo
- Roadmap
- Summary

SD-WAN has evolved



Lack of visibility

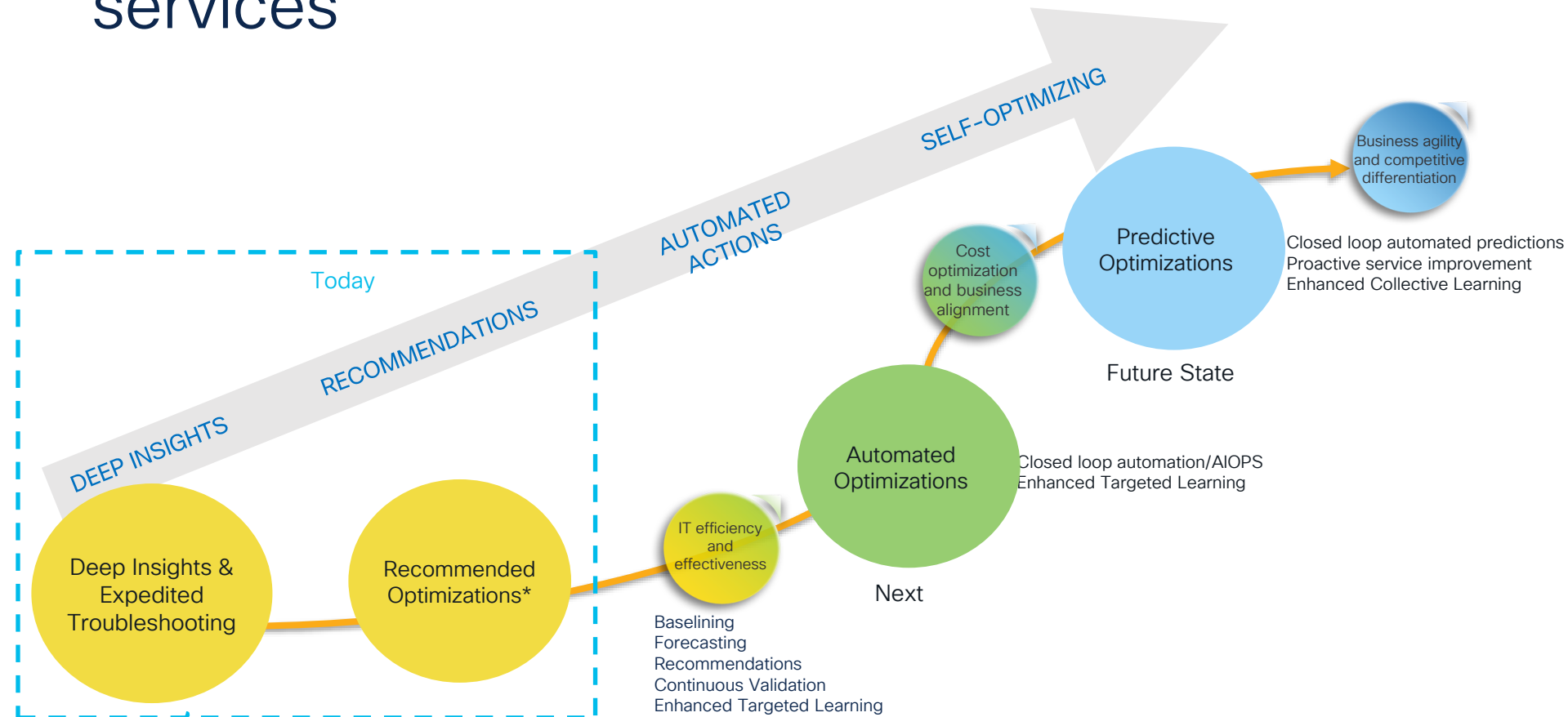


Diagnose and troubleshoot application issues



Correlated actionable insights

Journey to self-optimizing network and services



SD-WAN Analytics



vManage

- NMS for deployment and configuration
- Raw monitoring
- Alert management
- Near real-time Troubleshooting
- On-prem and Cloud-hosted

vAnalytics

- Aggregated perf analytics
- Historical trend analysis
- Large scale deployments with a lot of SAIE*(DPI) data
- Future – AI/ML based features
- SaaS service

ThousandEyes

- Synthetic Testing
- Monitoring
- Troubleshooting
- Site Evaluation
- SaaS service with agent deployed on the edge routers

* SAIE – SD-WAN Application Intelligence Engine (formerly DPI)

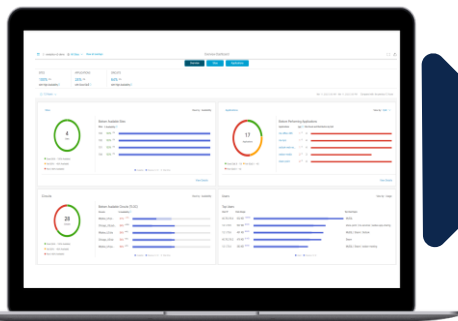
What is Cisco vAnalytics?



Intuitive Visualization of application experience and historical trends

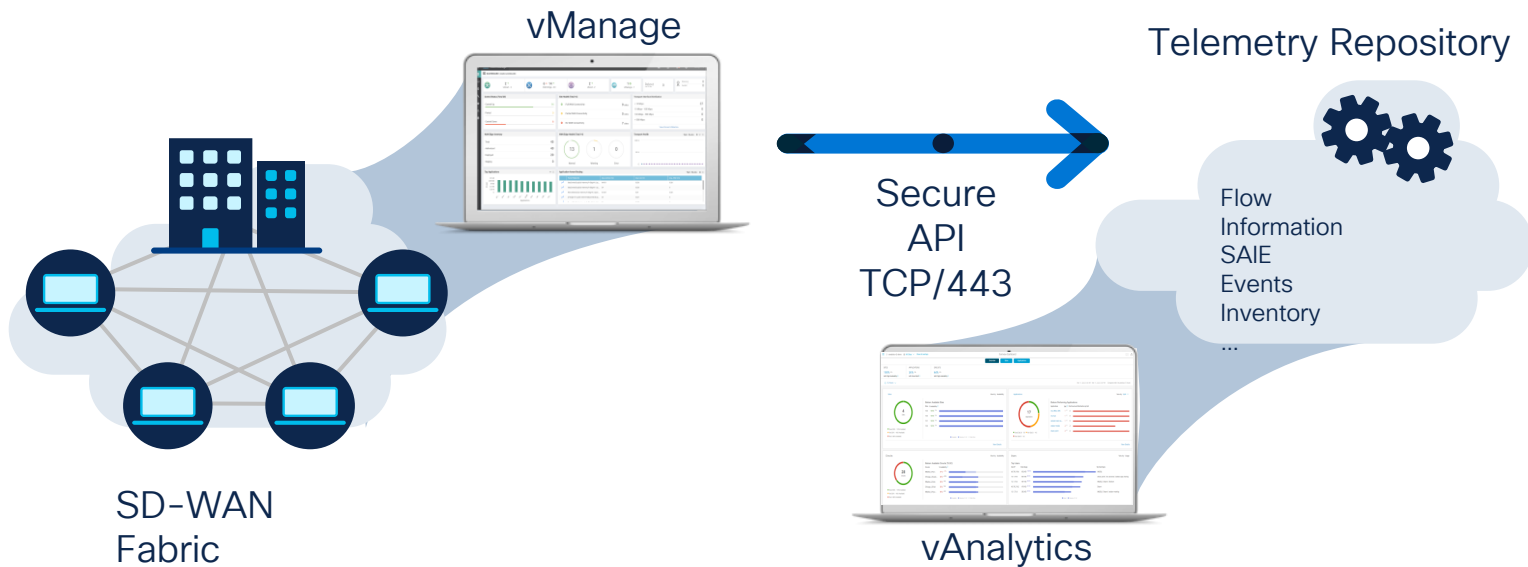
Correlated Insights to expedite root cause isolation

Leverage Insights for better planning



Robust, Scalable, Cloud-hosted SaaS Service

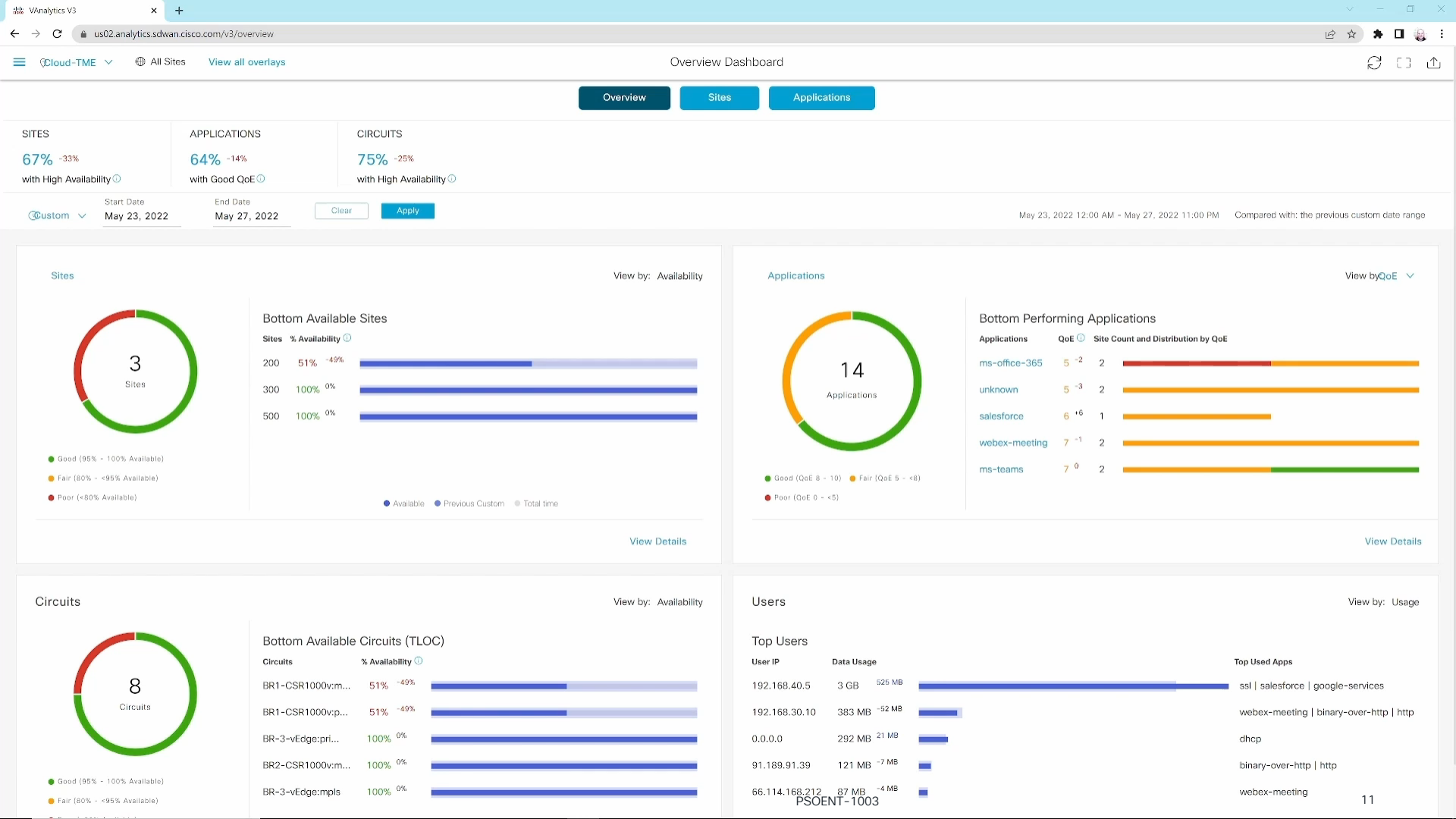
vAnalytics Architecture



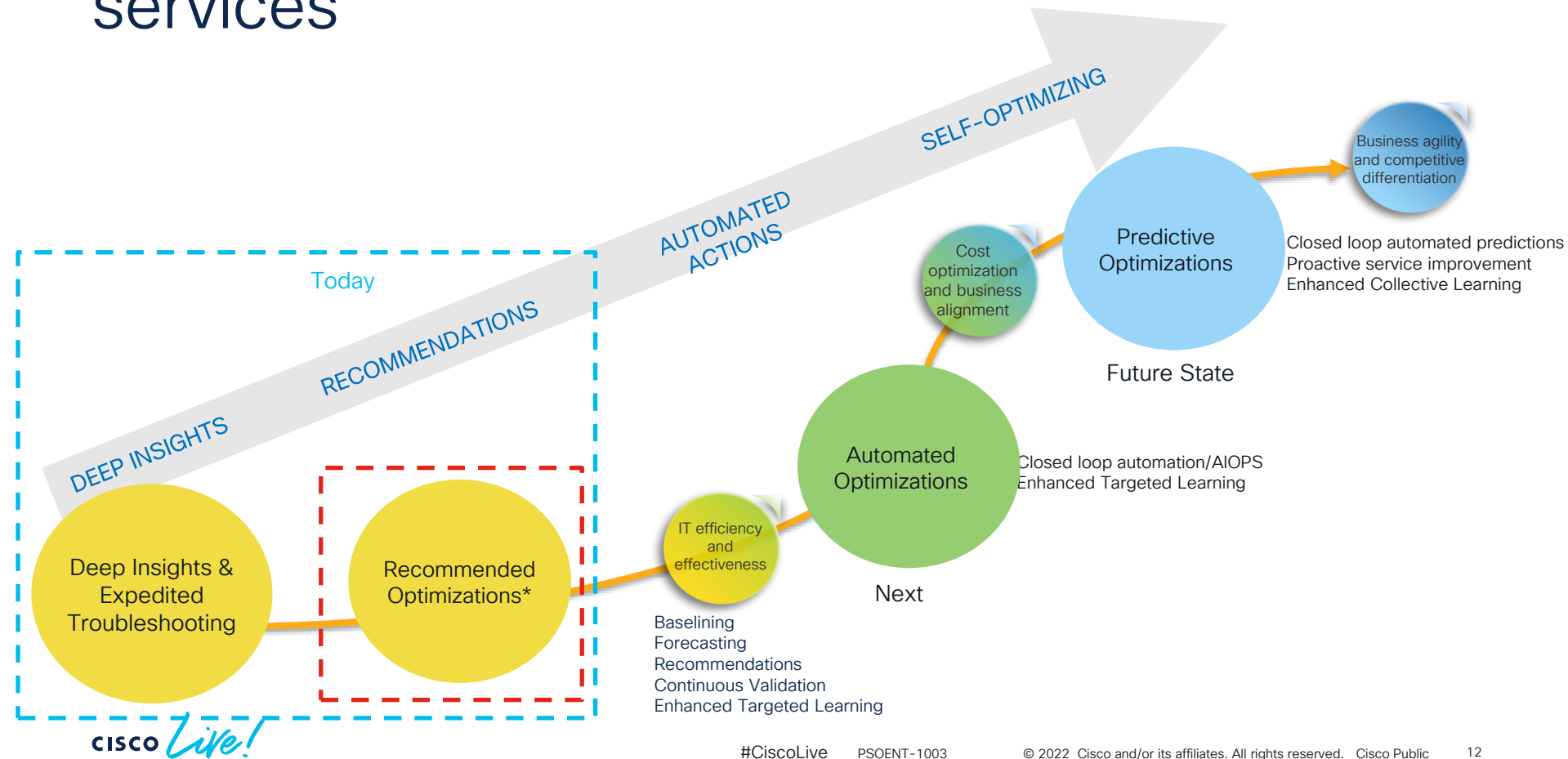
On-Prem or Cloud-Hosted SD-WAN (vManage)

Cloud-Hosted vAnalytics

Demo - Troubleshoot Application with poor QoE

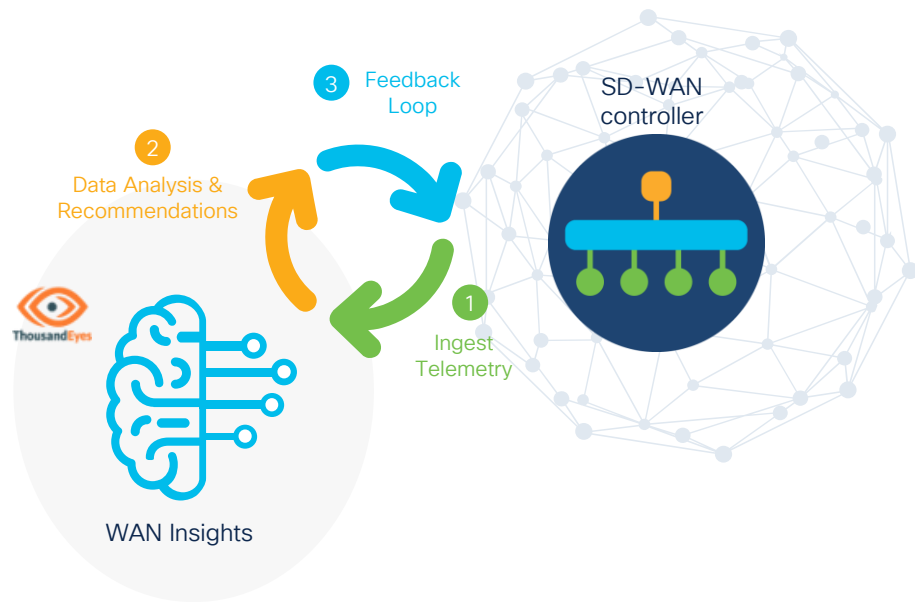


Journey to self-optimizing network and services



Announcing ThousandEyes WAN Insights: Transform your Digital Experience

Forecast issues and make recommendations – transforming SD-WAN operations from a reactive to a predictive model

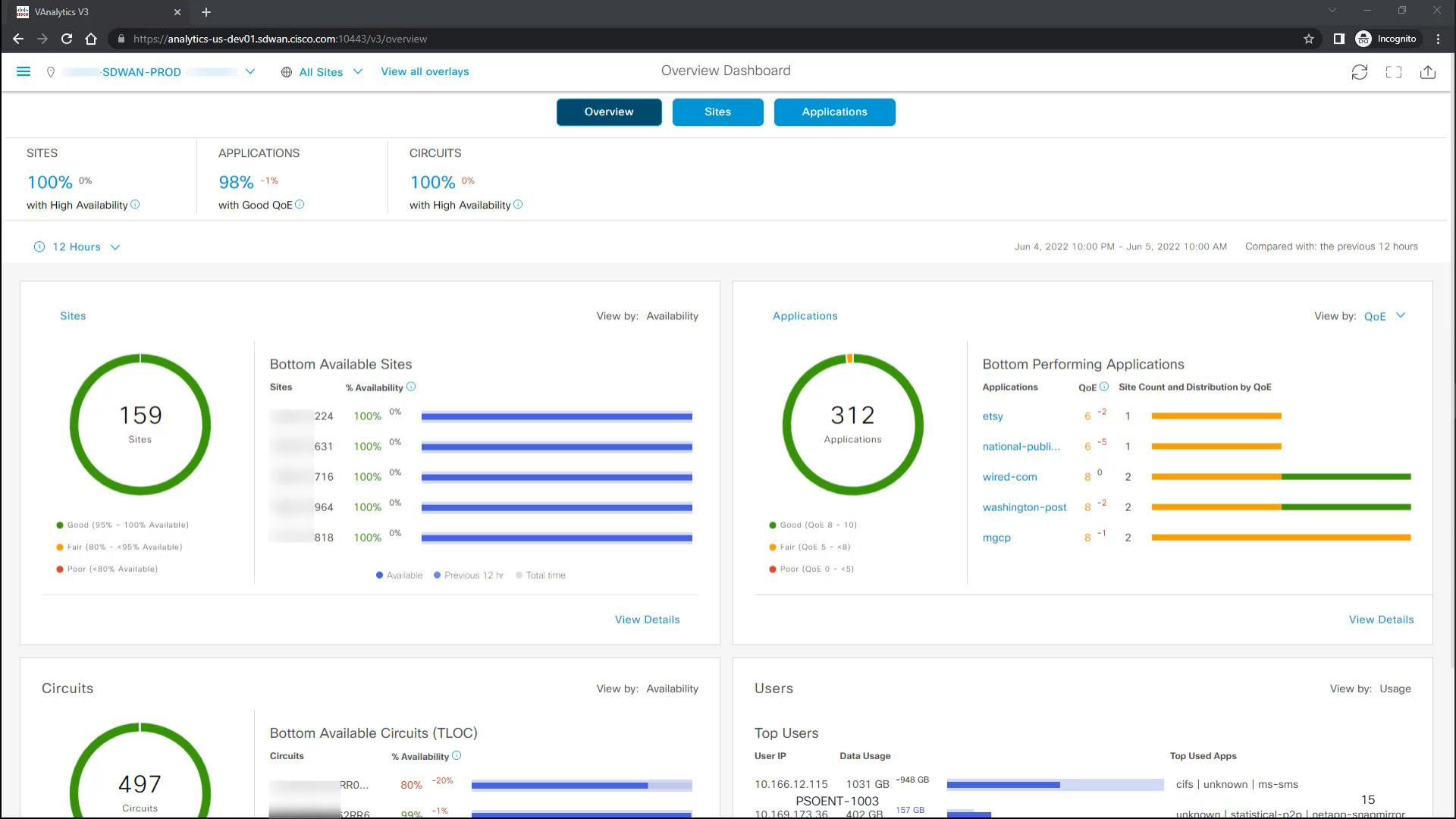


- 1 Collect network telemetry through SD-WAN controller
- 2 Apply predictive models to forecast issues & make path recommendations
- 3 Fine-tune SD-WAN policies (initially manual, automated in future) to improve App experience

- Included with SD-WAN DNA Advantage & Premier license

A decorative graphic in the top right corner consisting of a cluster of circles in various sizes and colors, including shades of blue, green, orange, and red, with some smaller grey circles scattered around.

Demo – Cisco vAnalytics with ThousandEyes WAN Insights



Analytics & AIOps Roadmap

Predictive analytics for ease of use & performance

Next 2H CY22

- Integration with ThousandEyes WAN Insights for proactive path optimizations
- Simplified Onboarding and SSO across SD-WAN solution
- Microsoft O365 Telemetry based path optimization

Future CY23

- Automate network proactive insights
- Underlay visibility and network baseline
- Streaming data telemetry
- Capacity Planning Insights
- Insights from collective intelligence
- Anomaly detection



Summary

Observability



Diagnostics



AIOps



Scalable, Cloud-first, Multi-domain Analytics Architecture

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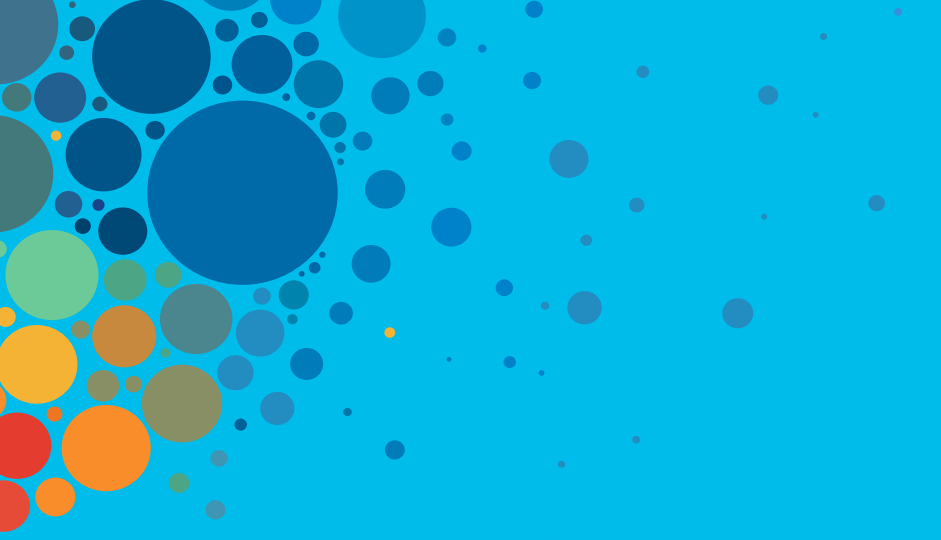
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Thank you

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