



How to Optimize SaaS Applications using Cisco Catalyst SD-WAN

Cloud OnRamp for SaaS

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About Me – Sai Suchandan

- TME – Technical Leader @ SD-WAN & Cloud Networking Team
- **Focus:** Analytics, Cloud Networking, Network Wide Path Insights
- **Hobbies:** Hiking

 <https://www.linkedin.com/in/saisuchandanreddy/>



Webex App

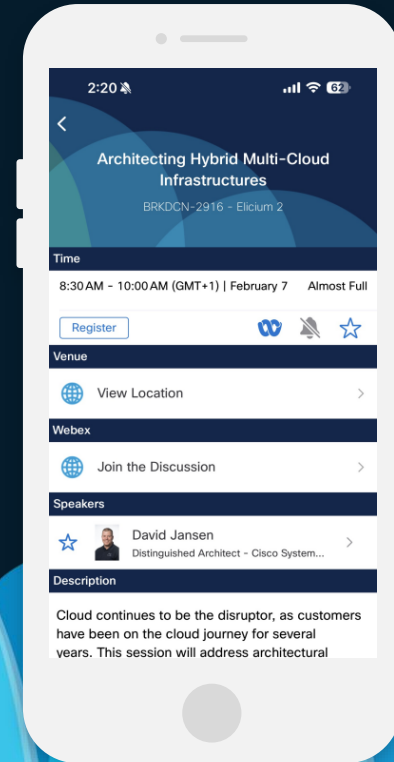
Questions?

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

How

- 1 Find this session in the Cisco Events mobile app
- 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 February 28, 2025.





Agenda

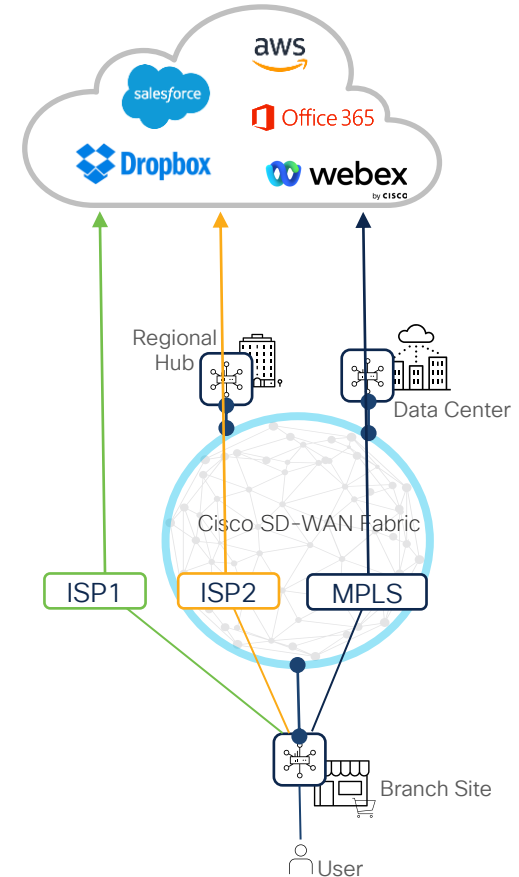
- Why SaaS Optimization?
- Cloud OnRamp for SaaS
 - Overview
 - Microsoft 365
 - Webex
 - Custom Enterprise Apps
- Cloud OnRamp for SaaS & Security
- Deployment Scenarios
- Summary

Why SaaS Optimization?



Why SaaS Optimization?

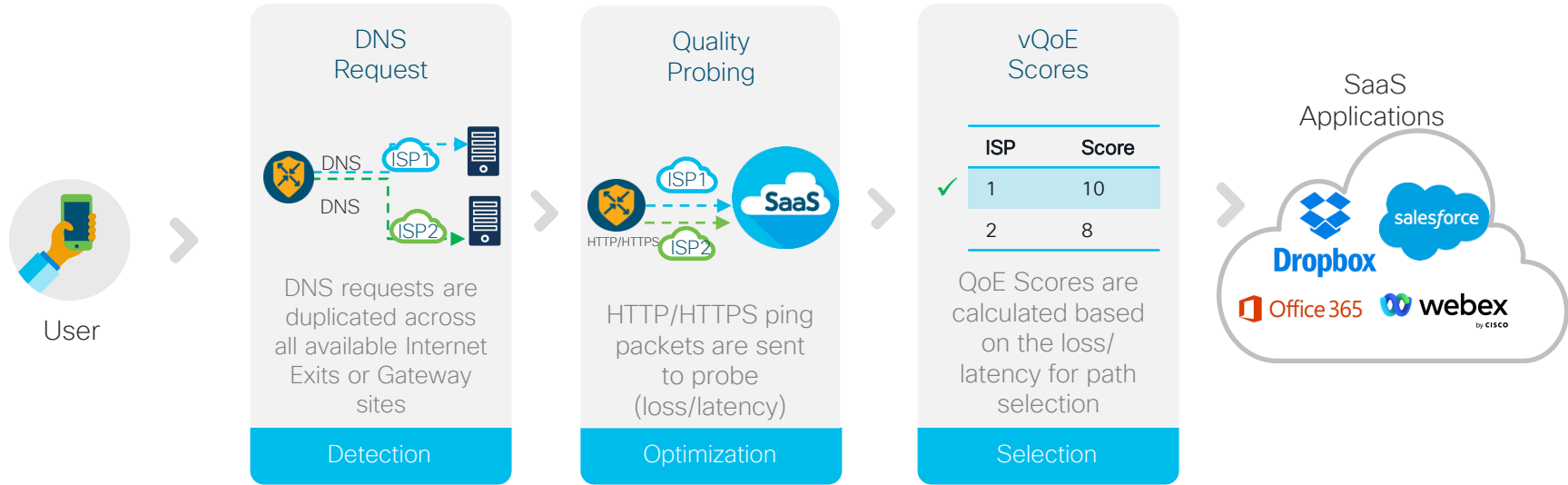
- What path to use for SaaS app?
 - Direct Internet Access
 - Regional Breakout
 - Data Center Backhaul
- Which path is having better SLA for a given SaaS app, How to get performance visibility for each path?
- When specific path is having performance issues, How to automatically steer traffic?



Cloud OnRamp for SaaS Overview



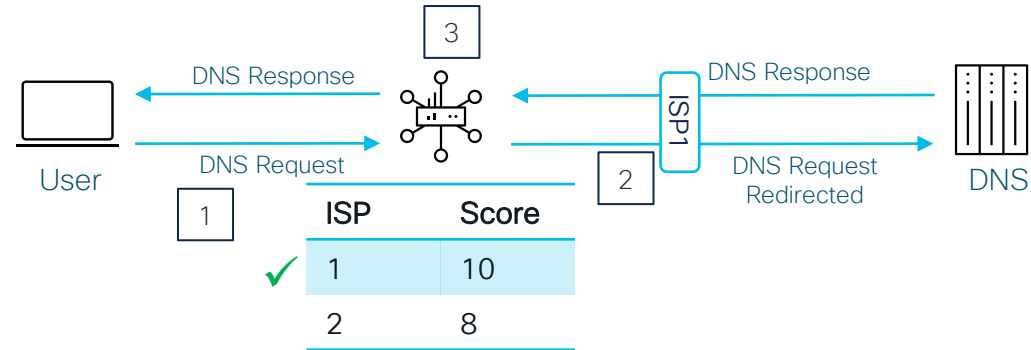
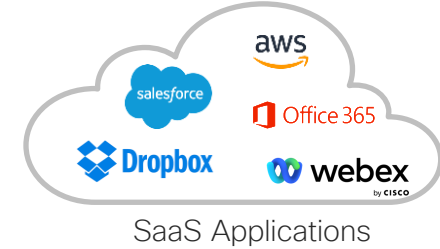
Cloud OnRamp for SaaS - Workflow



Cloud OnRamp for SaaS – Workflow

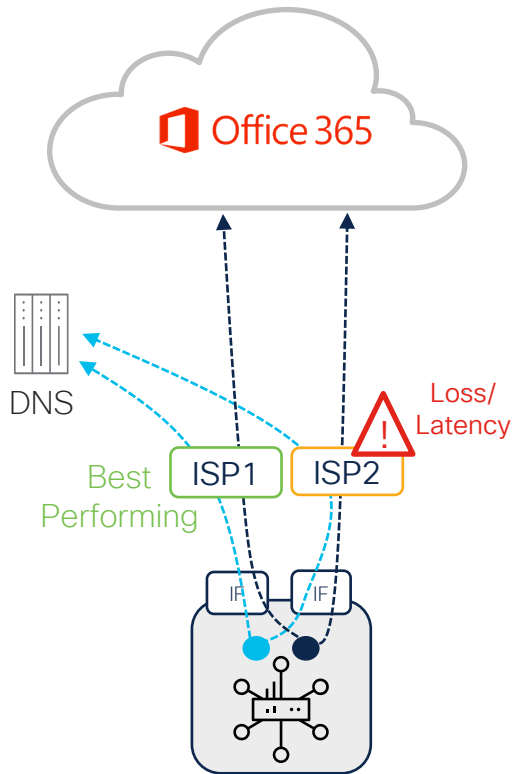
DNS

1. Host performs DNS resolution for SaaS app
2. WAN Edge router DPI engine intercepts user DNS query for the SaaS application.
3. WAN Edge overwrites the destination address of DNS request, sends the DNS request to DNS server configured in VPN0, over best performing DIA circuit.
4. WAN Edge, on receiving DNS response, overwrites the destination address with client's IP address.

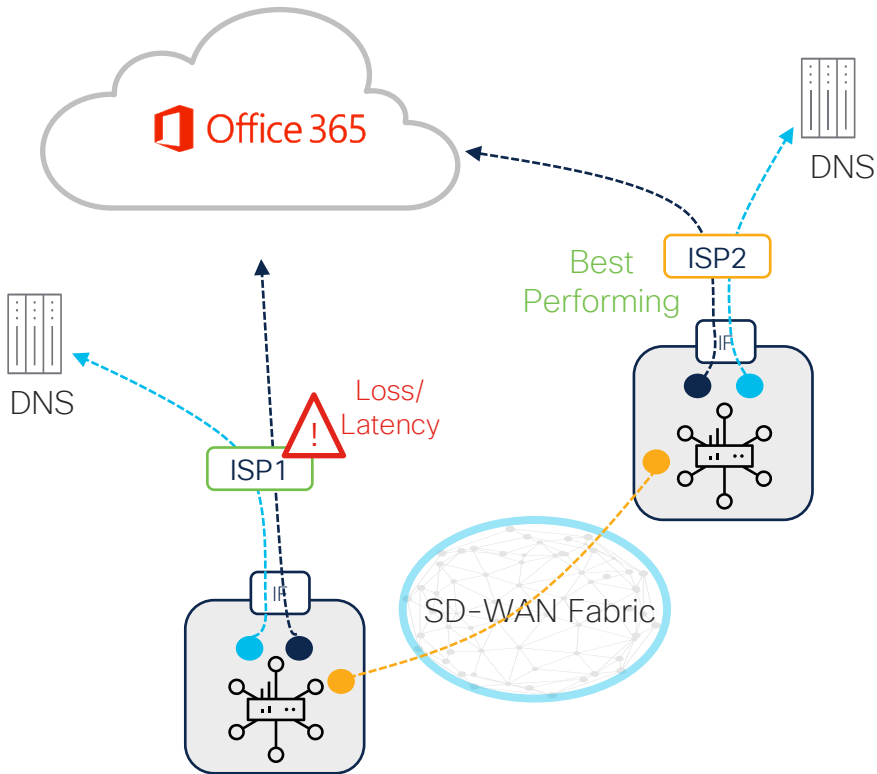


Cloud OnRamp for SaaS – Workflow

Quality Probing



Dual DIA

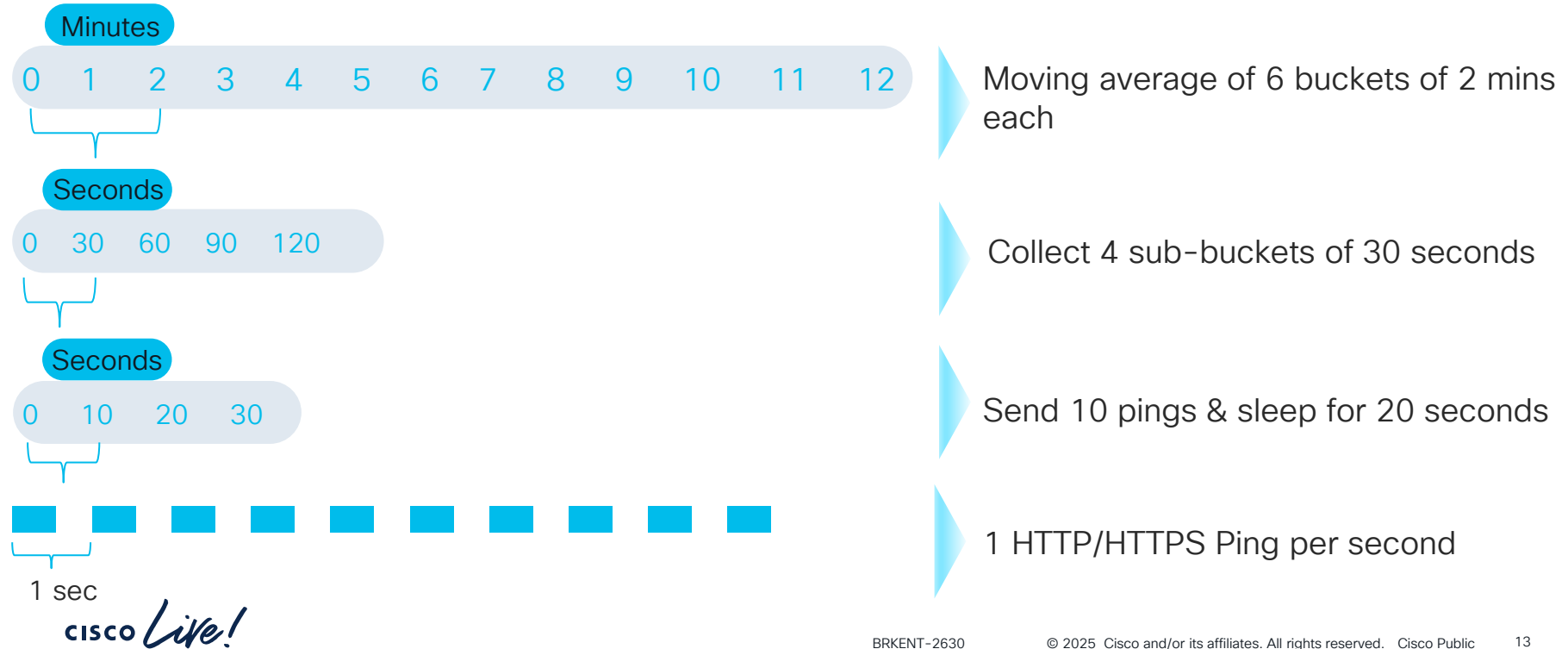


Single DIA

Cloud OnRamp for SaaS – Workflow

Quality Probing: Performance calculation algorithm

Decision on picking interface is based on 12 minutes measurements



CoR SaaS Failover Improvement

- CoR SaaS with tracker association can detect and failover in a minute (based on Tracker settings).
- Enabled by default when deployed with Config Group & Policy Group.

The screenshot shows the 'Attach DIA Sites' configuration window. At the top left, 'Site ID: 14' is displayed. Below this, there is a toggle for 'Secure Internet Gateway (SIG) Interfaces' which is currently off. The main configuration area is divided into two sections: 'WAN Edges' and 'TLOC'. Under 'TLOC', there are two entries: '1.1.2.14' and '1.1.2.15'. For each entry, there are radio buttons for 'All DIA TLOC' (selected) and 'TLOC list'. Below these, there is a checkbox for 'Enable Tracker Association' which is checked and highlighted with a red box. Further down, there is a checkbox for 'Enable load balancing' which is unchecked. Below that, there are input fields for 'Loss (%)' (0-100), 'Latency (ms)' (1-1000), and a checkbox for 'Source IP based load balancing' which is unchecked. At the bottom right, there are three buttons: 'Back', 'Save Changes', and 'Cancel'.

Cloud OnRamp for SaaS – Workflow

QoE Score Calculation

1 – 5

Red

5 – 8

Yellow

8 – 10

Green



 Office 365

App	Path	Score
O365	ISP1 (DIA)	10
O365	ISP2 (DIA)	8



 Office 365

App	Path	Score
O365	ISP1 (DIA)	9
O365	Via Gateway	4

Cloud OnRamp for SaaS

How to Configure?



Cloud OnRamp for SaaS – Guided Workflow

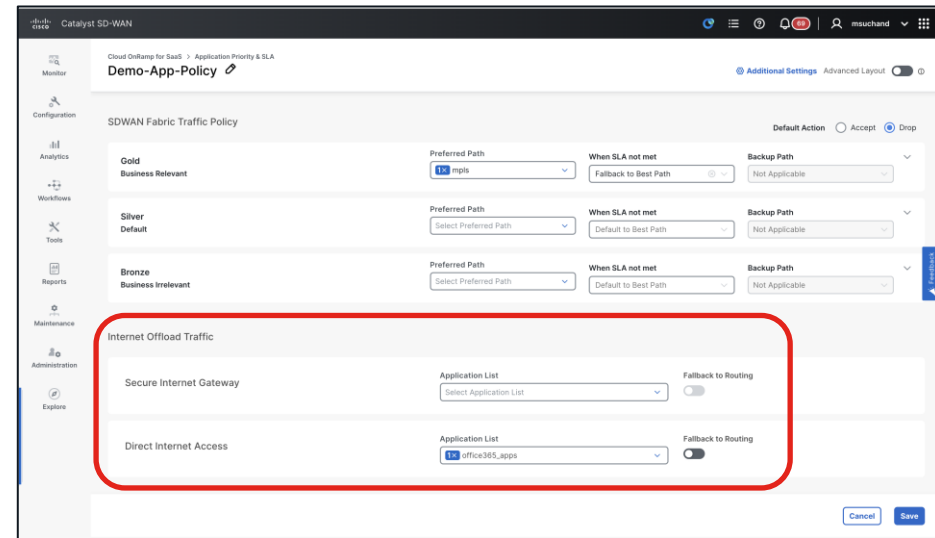
Click “Enable Cloud OnRamp for SaaS” to use the guided workflow and enable Cloud OnRamp for SaaS for required Applications.

The screenshot displays the 'Cloud OnRamp for SaaS' dashboard. On the left is a navigation sidebar with icons for Monitor, Configuration, Analytics, Workflows, Tools, Reports, Maintenance, Administration, and Explore. The main content area is titled 'Cloud OnRamp for SaaS' and includes a 'Telemetry settings' button and a red-bordered 'Enable Cloud OnRamp for SaaS' button. Below this is a section for 'Application Snapshots' with a search bar and a 'Refresh' button. The snapshots are categorized by application: Salesforce, Oracle, Amazon AWS, Office 365, and Google Apps. Each category shows a table of 'Sites' and 'Devices' with status indicators (Active, Poor, Fair, Good). At the bottom, there is a 'Sites' tab with a search bar and a table of monitored applications.

Site Name	Sites list	Device Name	Monitored Applications	Site Role
SITE_1	1	vm1	oracle_apps,salesfor 2	dia

Application Priority & SLA - Simple Layout (Optional)

- In Application Priority and SLA policy, Select applications with intent for CoR SaaS probing and policy enablement
- Select CoR SaaS capable applications in Internet Offload Traffic section
 - For Applications lists selected to offload via DIA, CoR SaaS exit type is set by default to all DIA TLOC
 - For Applications lists selected to offload via SIG, CoR SaaS is set by default to all auto SIG
- SD-WAN Manager detects CoR SaaS apps in selected application list and adds CoR sequences accordingly



Application Priority & SLA Policy - Advanced Layout (Optional)

Application Priority & SLA policy : Create sequences with intent for CoR SaaS probing and policy

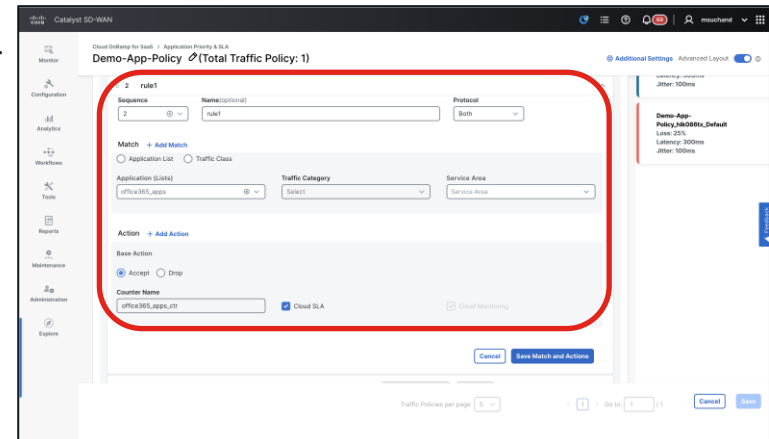
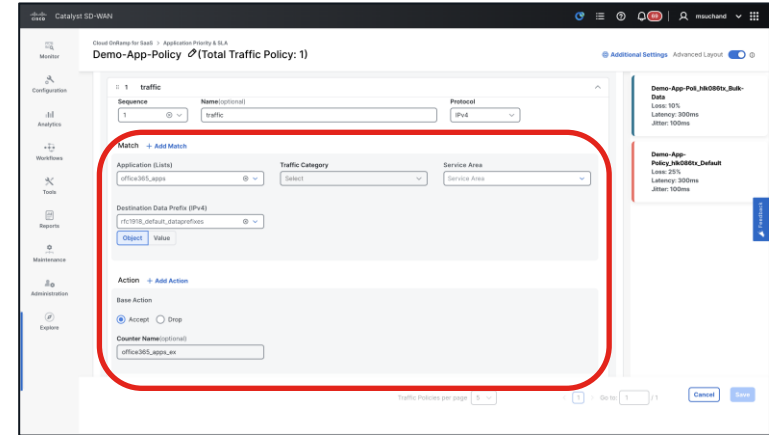
In Advanced layout:

Add a sequence to exclude data prefix list as required

- Match must be CoR SaaS App list and destination data prefix list
- Default RFC1918 exclude default prefix list can be used or create excluded data prefix list as required

Select CoR SaaS application list in match

- In actions, Select Cloud Monitoring (Probe)/Cloud SLA or Both
- Counter must be selected with CoR actions



Deploy Policy Group

Select Cloud OnRamp for SaaS Parameters as below

- Site Type (DIA, Gateway and Client)
- Secure Internet Gateway or TLOC (All DIA TLOCs or Specific TLOCs)
- Enable Load Balancing (Optional)

Deploy Policy Group

Modify them as needed and directly edit the table to add System IP and Site IDs.

Chassis Number: DC1-SanJose - C8K-097CF204-D4B2-B191-86D2-3550A3AC1DC1

Import Export

Global

DC1-SanJose

Search

Demo-App-Policy 10 Optional

Cloud OnRamp for SaaS

Site Type

☐ Client ☒ DIA ☐ Gateways

Secure Internet Gateway (SIG) Interface

TLOC

☒ All DIA TLOC ☐ TLOC list

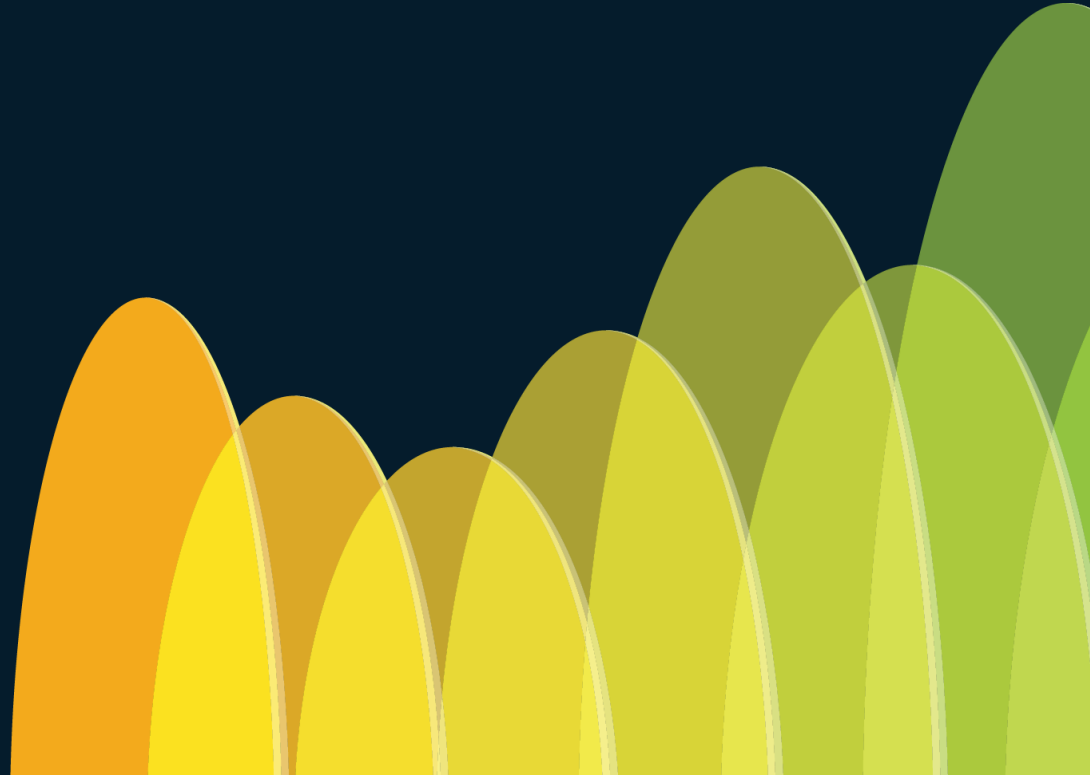
☐ Enable Load Balancing

Loss(%) 0-100 Latency(ms) 1-1000

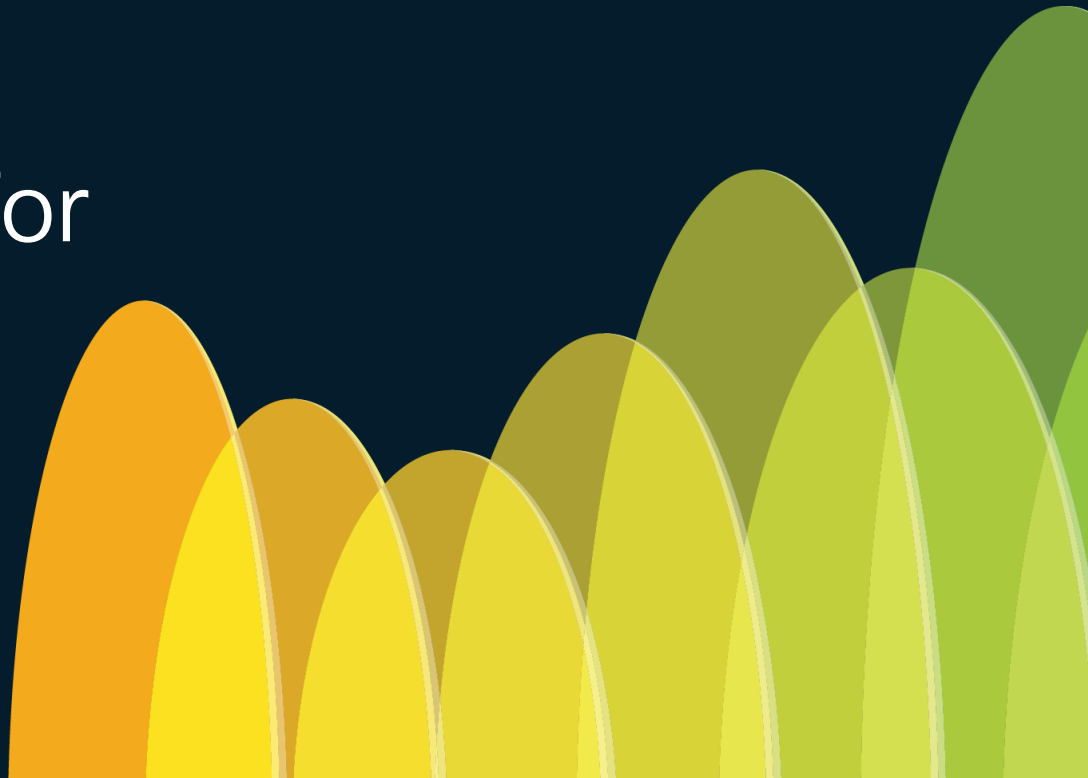
☐ Source IP Based Load Balancing

Cancel Review Back Next

Demo Time!



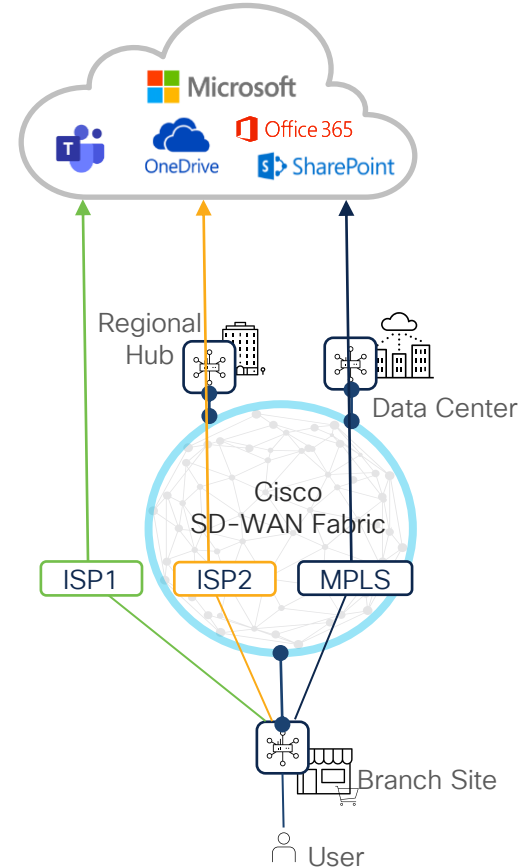
Cloud OnRamp for M365



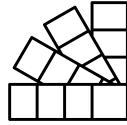
Cloud OnRamp for M365

M365 Optimization Challenges

- How to optimize only certain M365 Categories?
- How to gain Application telemetry view to gain insights into Application Performance?
- When specific path is having performance issues, How to automatically steer traffic?



Cloud OnRamp for M365



Dynamic URL/IP Categorization

- Distinct URLs for different Applications.
- URLs can be mapped to different traffic precedence and Service-Area.
- M365 traffic divided into 3 categories based on sensitivity.
- Optimize, Allow and Default.



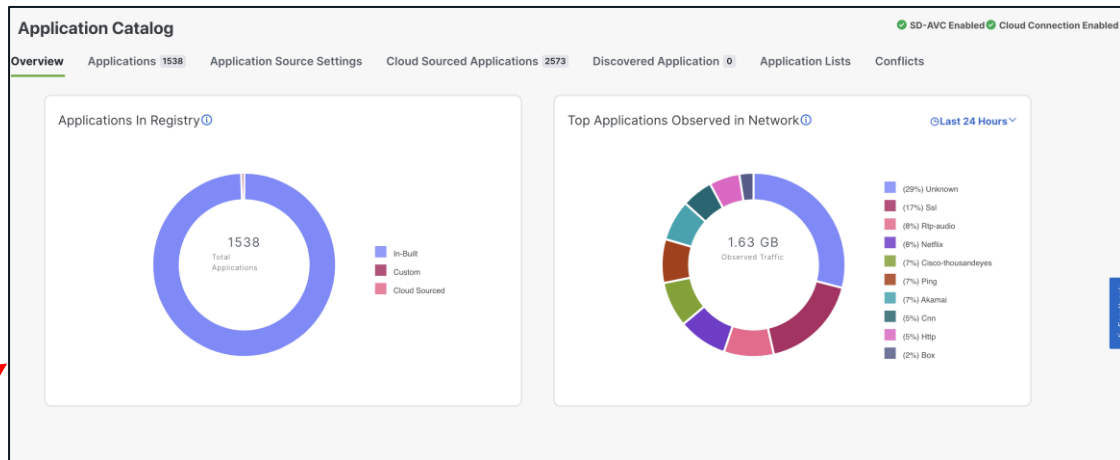
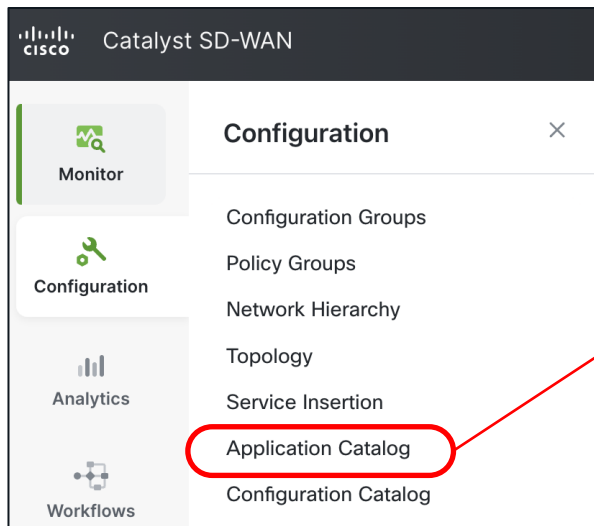
Microsoft Informed Network Routing

- End-to-end telemetry using Application Infused Path Feedback.
- Import and Export telemetry from/to Microsoft for best path selection.

Application Catalog

FYI

Manage application visibility and control operations from Application Catalog which provides view into latest status of Applications (Built-in, Cloud Sourced & Custom Apps) and usage.



Cloud SaaS Feeds

FYI

View SD-AVC feeds for **28** apps and manage enable/disable SaaS feeds.

Cloud SaaS Feeds ⓘ			
Q Search Table			
Name	Status	Feeds	Action
CrashPlan	enabled	27	...
Dropbox	enabled	28	...
Webex	enabled	863	...
Salesforce	enabled	89	...
SugarCRM	enabled	132	...
Telegram	enabled	19	...
Google Meet	enabled	6	...
O365	enabled	1036	...

View Feeds									
View Feeds (1056)									
Q Search Table									
appName	serviceArea	ip	Port	ServerName	L4Protocol	Qos	PrimaryOrFallback	Region	
share-point	sharepoint	104.212.50.0/23	443	-	TCP	-	optimize	usgovcchigh	
ms-teams	skype	104.212.60.0/23	443	-	TCP	-	optimize	usgovdod	
ms-teams	skype	104.212.60.0/23	3478	-	UDP	-	optimize	usgovdod	
ms-teams	skype	104.212.60.0/23	3479	-	UDP	-	optimize	usgovdod	
ms-teams	skype	104.212.60.0/23	3480	-	UDP	-	optimize	usgovdod	
ms-teams	skype	104.212.60.0/23	3481	-	UDP	-	optimize	usgovdod	
ms-office-365	exchange	104.47.0.0/17	443	-	TCP	-	allow	worldwide	
ms-office-365	exchange	104.47.0.0/17	25	-	TCP	-	allow	worldwide	
ms-services	common	112.25.33.0/24	80	-	TCP	-	allow	china	
ms-services	common	112.25.33.0/24	443	-	TCP	-	allow	china	

Application Catalog – SaaS Feeds (M365)

View Feeds								
View Feeds (1028)								
Search Table								
appName	serviceArea	ip	Port	ServerName	L4Protocol	Qos	PrimaryOrFallback	Region
ms-services	common	101.28.252.0/24	443	-	TCP	-	allow	china
ms-services	common	101.28.252.0/24	80	-	TCP	-	allow	china
ms-services	common	103.9.8.0/22	443	-	TCP	-	allow	china
ms-services	common	103.9.8.0/22	80	-	TCP	-	allow	china
share-point	sharepoint	104.146.128.0/17	443	-	TCP	-	optimize	worldwide
share-point	sharepoint	104.146.128.0/17	80	-	TCP	-	optimize	worldwide
ms-teams	skype	104.212.32.0/22	3478	-	UDP	-	optimize	usgovdod
ms-teams	skype	104.212.32.0/22	3479	-	UDP	-	optimize	usgovdod
ms-teams	skype	104.212.32.0/22	3480	-	UDP	-	optimize	usgovdod
ms-teams	skype	104.212.32.0/22	3481	-	UDP	-	optimize	usgovdod
Cancel								

Application Catalog – SaaS Feeds (Webex)

View Feeds

View Feeds (850)

Q Search Table

appName	serviceArea	Ip	Port	ServerName	L4Protocol	Qos	PrimaryOrFallback	Region
webex-meeting	-	150.253.134.0/24	-	-	-	-	-	us-west-1
webex-meeting	-	150.253.136.0/22	-	-	-	-	-	us-central-1
webex-meeting	-	150.253.142.0/23	-	-	-	-	-	us-central-1
webex-meeting	-	150.253.145.0/24	-	-	-	-	-	us-central-1
webex-meeting	-	150.253.146.0/24	-	-	-	-	-	us-central-1
webex-meeting	-	150.253.148.0/23	-	-	-	-	-	us-central-1
webex-meeting	-	150.253.152.0/22	-	-	-	-	-	us-east-3
webex-meeting	-	150.253.158.0/23	-	-	-	-	-	us-east-3
webex-meeting	-	150.253.160.0/21	-	-	-	-	-	us-central-2
webex-meeting	-	150.253.172.0/22	-	-	-	-	-	us-central-1

Cancel

Cloud Sourced Applications

- Go to “Application Catalog -> Cloud Sourced Applications” to view Cloud Sourced Applications received via SD-AVC cloud.
- SD-WAN manager periodically fetches Cloud Sourced Apps every 30 mins to dynamically update the new apps as available and notifies user.

The screenshot shows the SD-WAN Application Catalog interface. The top navigation bar includes 'SD-WAN', a user profile 'msuchand', and a notification bell with '99+'. The main header is 'Application Catalog' with sub-headers 'Overview', 'Applications 1540', 'Application Source Settings', 'Cloud Sourced Applications 2574' (highlighted with a red box), 'Discovered Application 0', 'Application Lists', and 'Compliance'. Below the header, there's a search bar and a table of Cloud Sourced Applications (2574). The table has columns: Application Name, Application Family, Status, Application Group, Servers, L3/L4, Traffic Class, Business Relevance, and Action. The table lists several applications like 'absorb-lms', 'abstract', 'academia', 'acela-asset-mana...', 'acelo', and 'accengage'. A 'Feedback' button is visible on the right side of the table.

SD-WAN

Application Catalog

Overview Applications 1540 Application Source Settings **Cloud Sourced Applications 2574** Discovered Application 0 Application Lists Compliance

Cloud Sourced Applications (2574)

Q Search

Apply Application(s) v

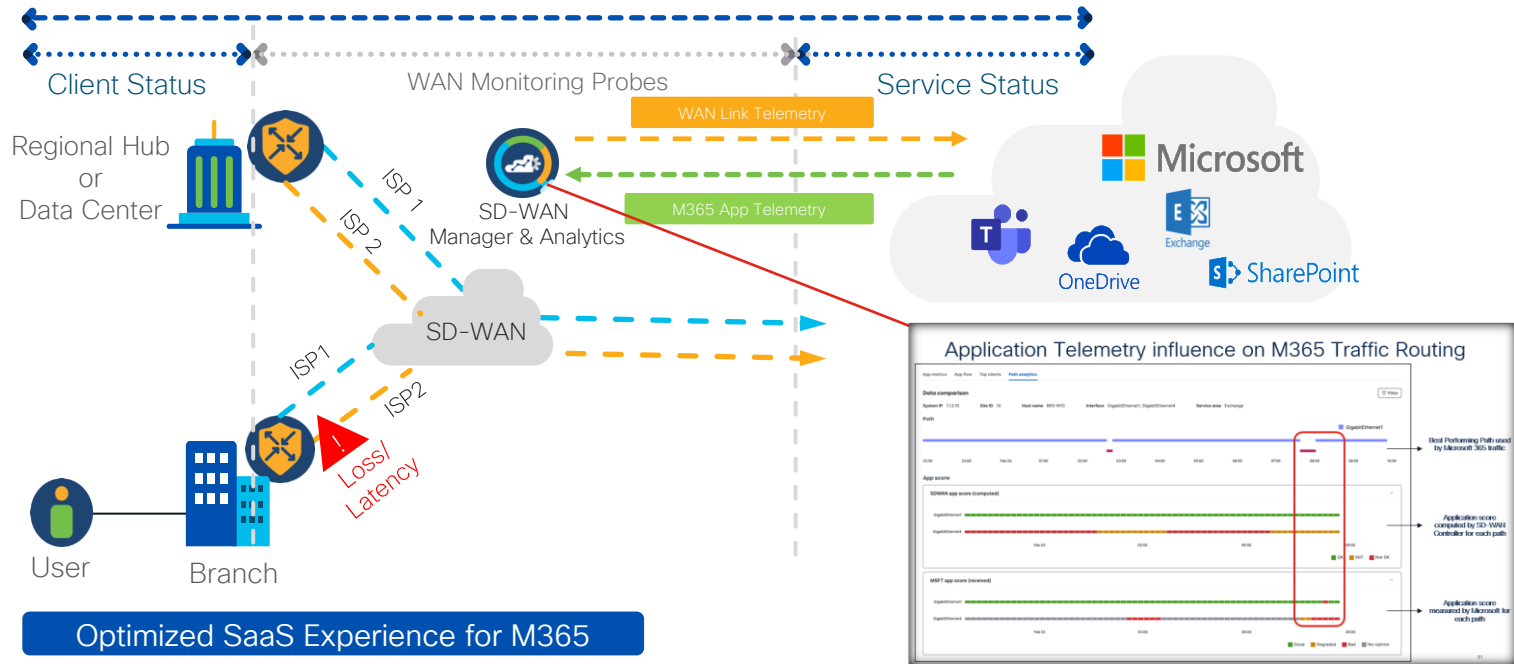
As of: September 30, 2024 9:49 AM

☐	Application Name	Application Family	Status	Application Group	Servers	L3/L4	Traffic Class	Business Relevance	Action
☐	absorb-lms	web	New	other	2	0	transactional-data	Gold	...
☐	abstract	web	New	other	2	0	transactional-data	Gold	...
☐	academia	web	New	other	2	0	transactional-data	Gold	...
☐	acela-asset-mana...	web	New	other	2	0	transactional-data	Gold	...
☐	acelo	web	New	other	2	0	transactional-data	Gold	...
☐	accengage	web	New	other	2	0	transactional-data	Gold	...

Feedback

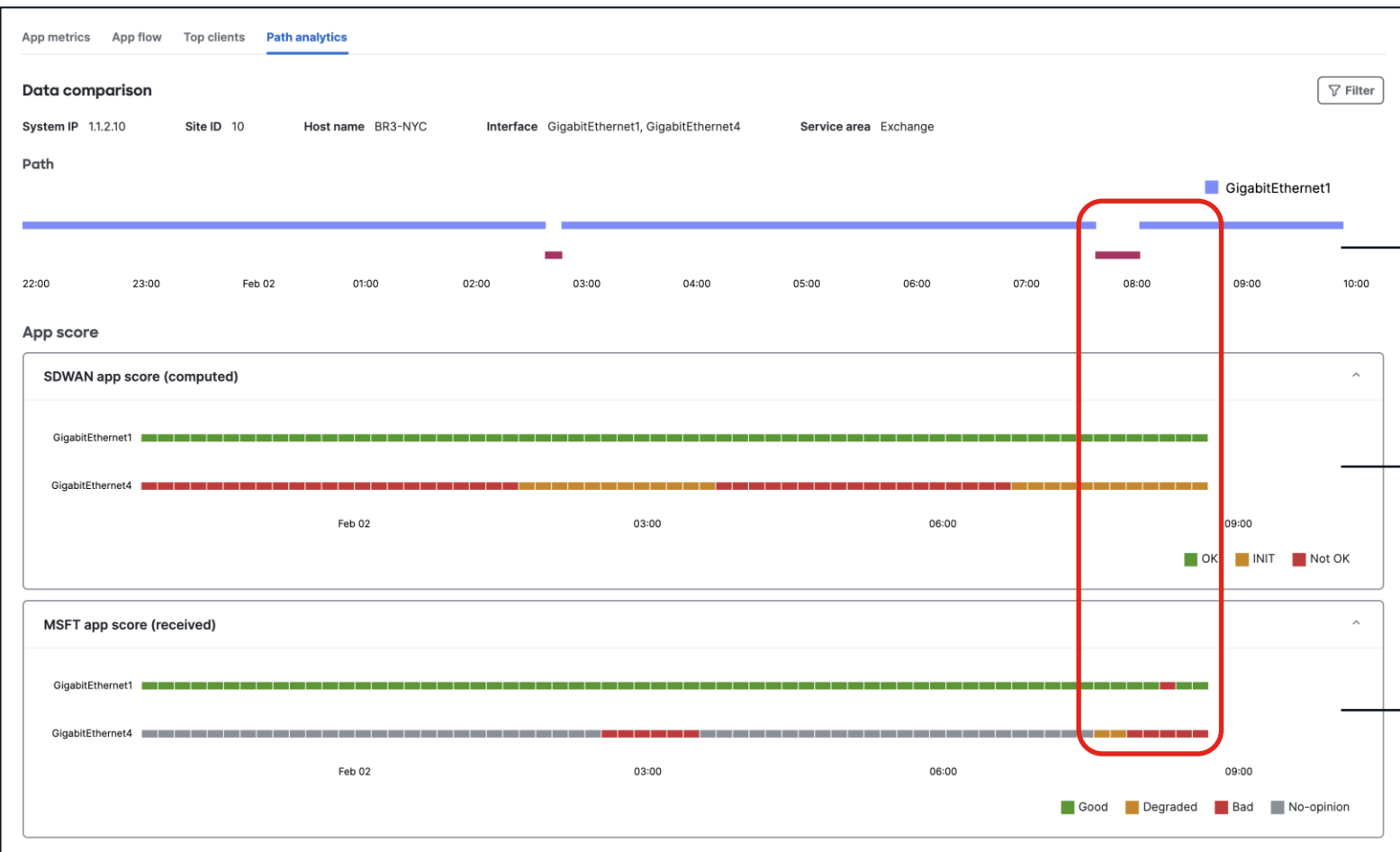
Microsoft Informed Network Routing

End-to-End M365 Apps Performance Visibility



- Microsoft gathers path telemetry data between M365 client and Microsoft Apps
- SD-WAN tracks access to Microsoft Apps over WAN paths via WAN Monitoring HTTP probes
- SD-WAN controller exchanges telemetry data with Microsoft to be able to route M365 application data more efficiently

Application Telemetry influence on M365 Traffic Routing



Best Performing Path used by Microsoft 365 traffic

Application score computed by SD-WAN Controller for each path

Application score measured by Microsoft for each path

Microsoft Informed Network Routing

Microsoft INR feature can be enabled in 2 modes

- With Traffic Steering (Use Microsoft Telemetry in M365 traffic routing decisions)
- Without Traffic Steering (Only use Microsoft Telemetry for visibility into application feedback)

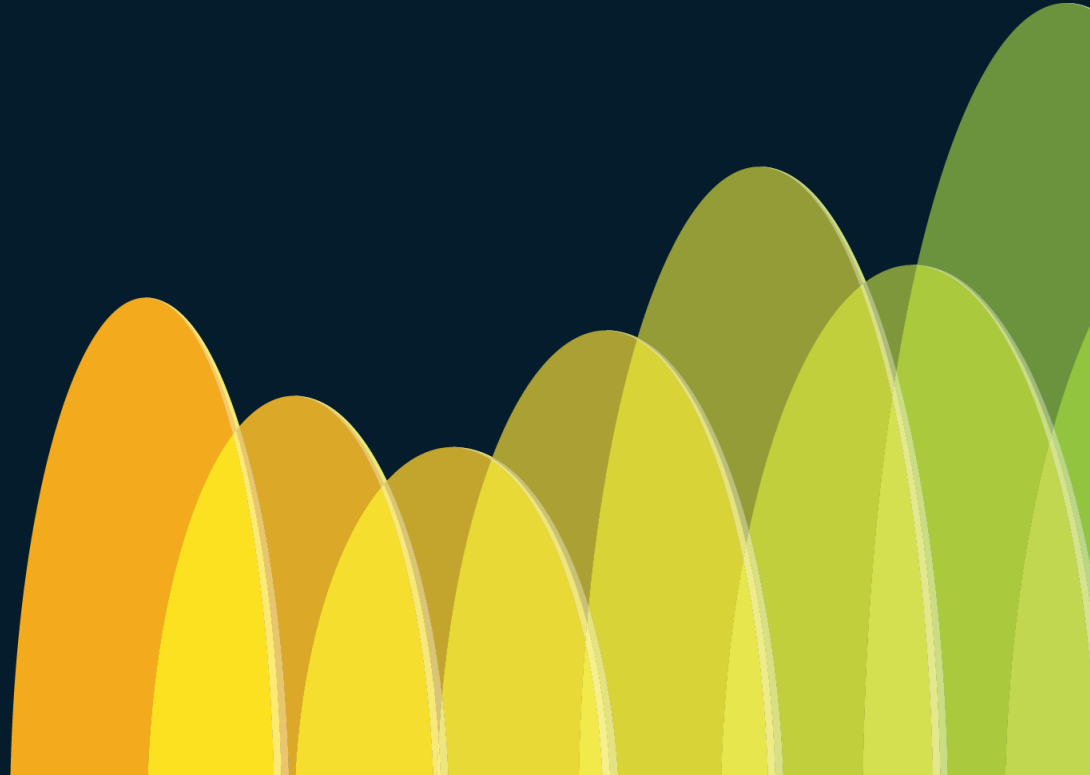
With Traffic Steering



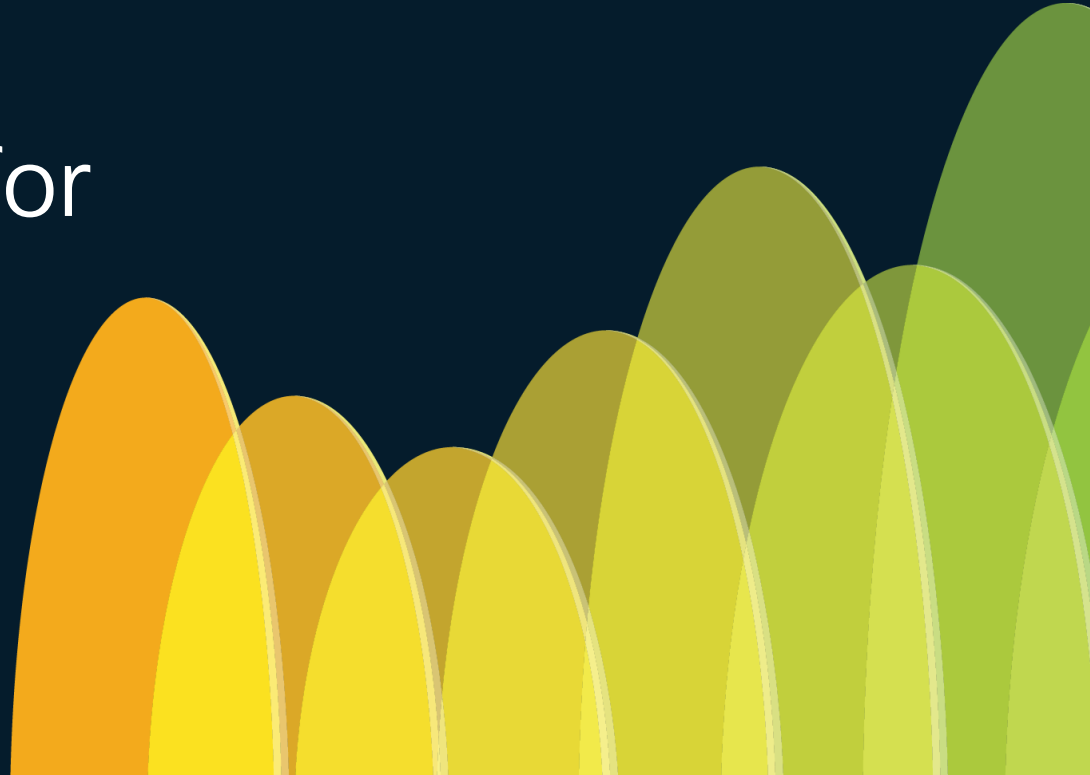
Without Traffic Steering



Demo Time!



Cloud OnRamp for Webex

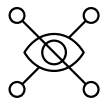


Cloud OnRamp for Webex



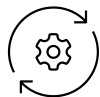
Traffic Classification

Webex API Integration with SD-WAN Manager to enhance classification of traffic going to various Webex regions.



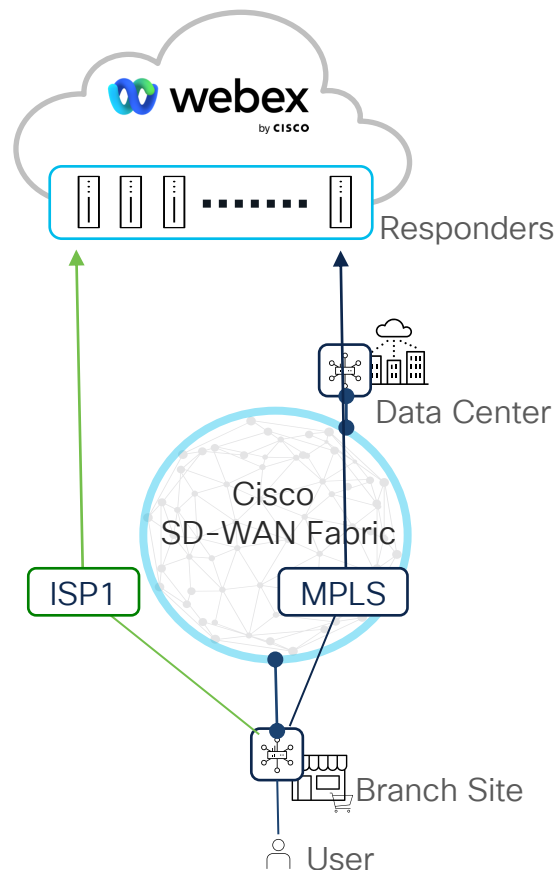
Path Monitoring

SD-WAN edge routers sends HTTPS probes to dedicated Webex Responders across global Webex regions.



Traffic Optimization

Ensure Webex User traffic going to any Webex region is sent via the best performing path.



Cloud OnRamp for Webex (Monitoring)

 Catalyst SD-WAN

 Sai Suchandan Reddy Marapareddy

Monitor

Configuration

Analytics

Workflows

Tools

Reports

Maintenance

Administration

Explore

← Cloud OnRamp for SaaS Home

SLC10010

BR10-c8kv

Policy : BR10-SLA-Packet_Loss-Opt Site Role : dia Site List : 10010

Config Source : BR10-SLA-Packet-Loss-Opt Last Updated on : 11/14/2024

Application	vQoE Status	vQoE Score	DIA Status	Selected Interfa	Activated gateway	Local color	Remote color	Application Usage
webex-us-west-1		10.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-us-east-3		7.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-us-central-1		8.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-ca-east-1		7.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-eu-central-1		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-eu-central-2		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-eu-west-1		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-ap-south-2		5.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-ap-southe...		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-ap-southe...		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage
webex-ap-northe...		6.0	local	GigabitEthernet2	N/A	N/A	N/A	View Usage

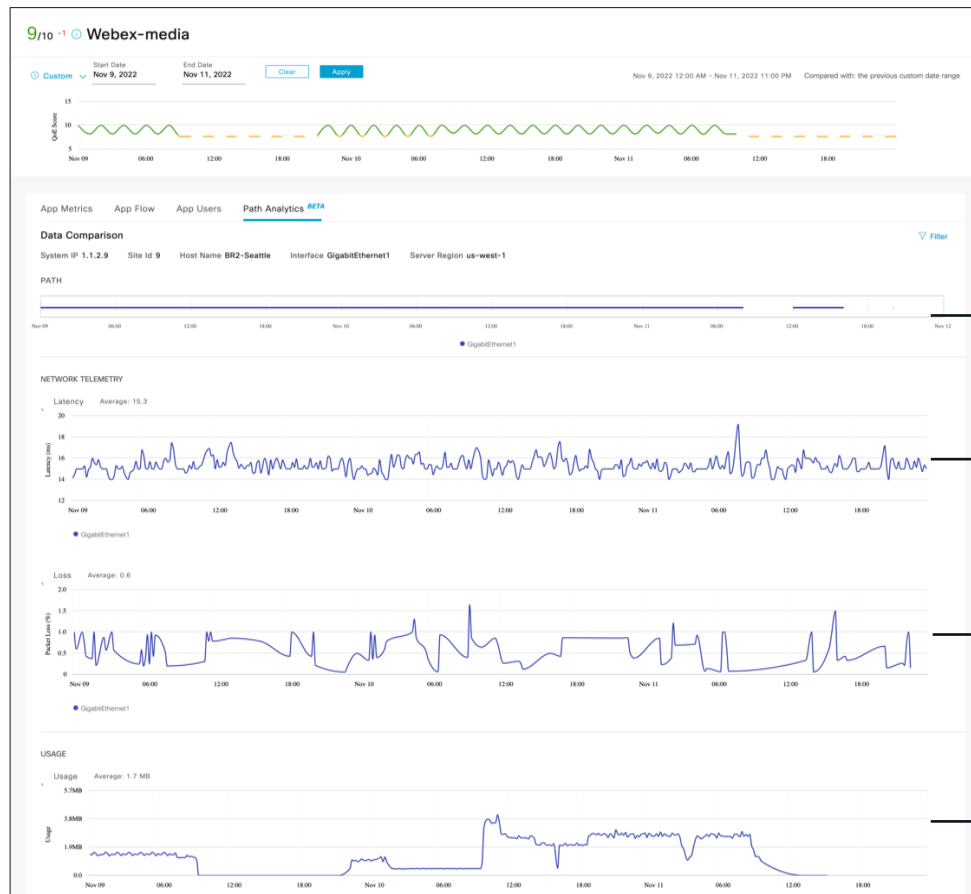
Rows per page

30

 < 1 > Go to: 1 / 1

Feedback

SD-WAN Analytics Dashboard (Network Telemetry)



Selected Path for Webex Traffic

Network Latency measured using CoR SaaS Probes

Network Loss measured using CoR SaaS Probes

Webex Application Usage

SD-WAN Analytics Dashboard (Application Telemetry)



Packet Loss measured by Webex App for Content Sharing traffic

Jitter measured by Webex App for Content Sharing traffic

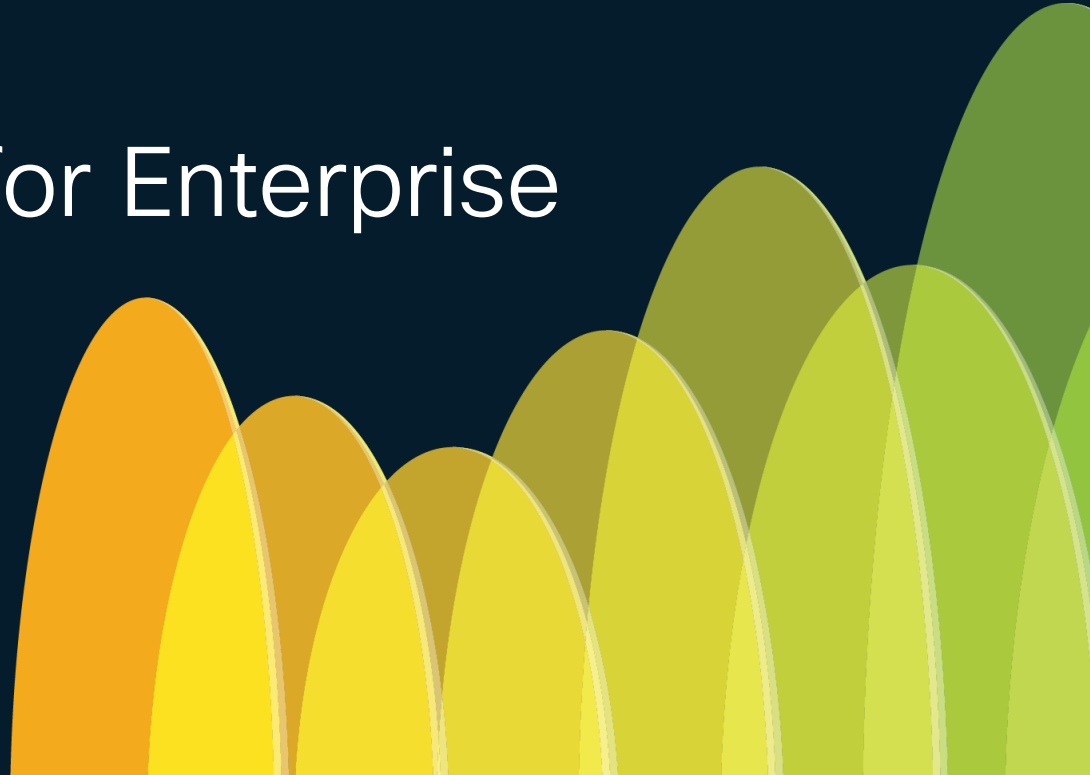
Latency measured by Webex App for Content Sharing traffic

Resolution Height measured by Webex App for Content Sharing traffic

Frame Rate measured by Webex App for Content Sharing traffic

Media Bitrate measured by Webex App for Content Sharing traffic

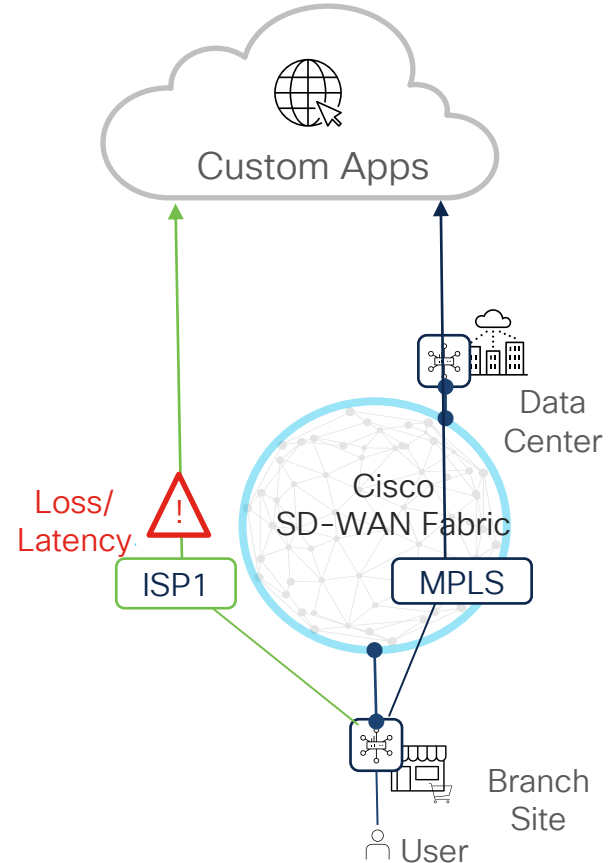
Cloud OnRamp for Enterprise & Custom Apps



Cloud OnRamp for Custom Applications

BYOA – Bring your Own App

- Ensure SaaS and Enterprise Apps traffic goes via best performing path.
- Classify traffic using NBAR signatures (1500+ well-known Enterprise Apps) or define your own App using FQDN, L3-L4 Parameters.
- XE SDWAN router sends HTTP probes to **user defined probe endpoints (IP address or FQDN or URL)** and calculates best performing path for respective SaaS & Enterprise Applications
- For URL probe endpoint, HTTPS probes are sent if HTTPS URL is used.
- Based on HTTP/HTTPS probe results, SaaS and Enterprise application traffic is sent via the best performing path.



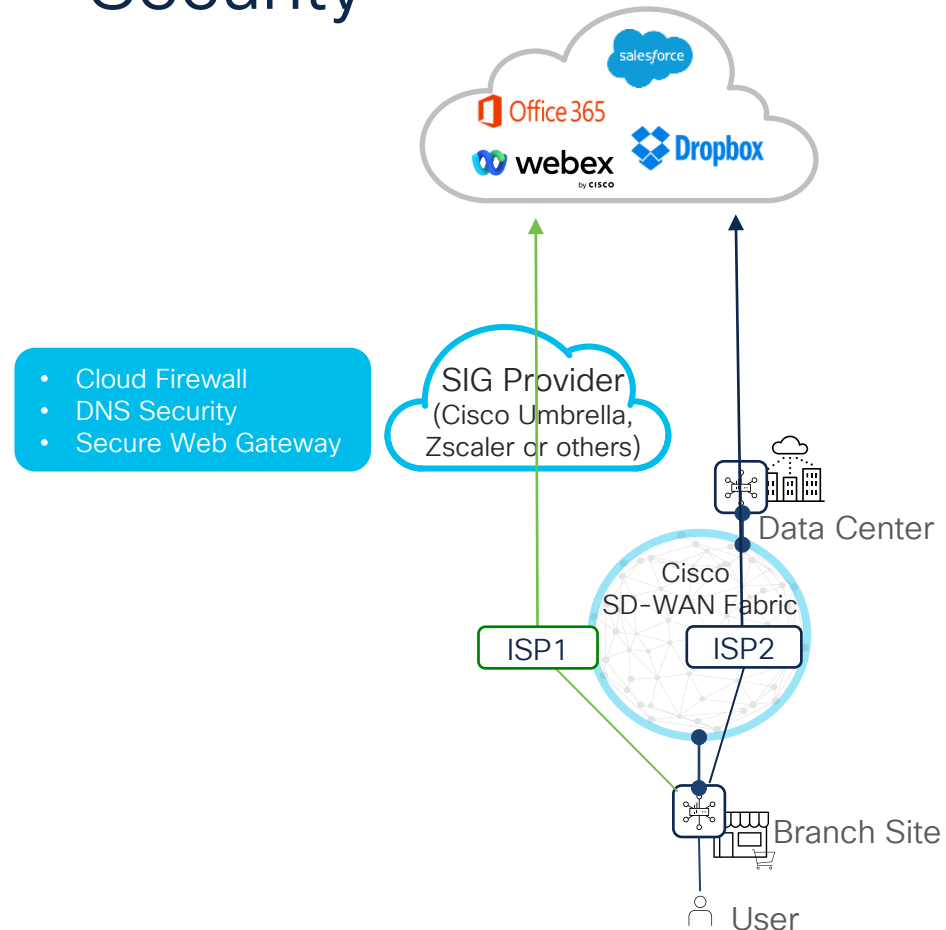
Cloud OnRamp for SaaS – Security



Cloud OnRamp for SaaS – Security

- In security cautious deployments, users can access Internet only through SIG at branch sites.
- SIG Auto Tunnel is supported with Umbrella and Zscaler. With other SIG providers, the tunnels could be manually established.
- With Cloud OnRamp for SaaS, edge router sends the HTTP/HTTPS Probes through the SIG tunnels.
- Based on probe results, the SD-WAN edge router selects the best performing tunnel for SaaS traffic.

Note: Cisco Secure Access is not supported yet.



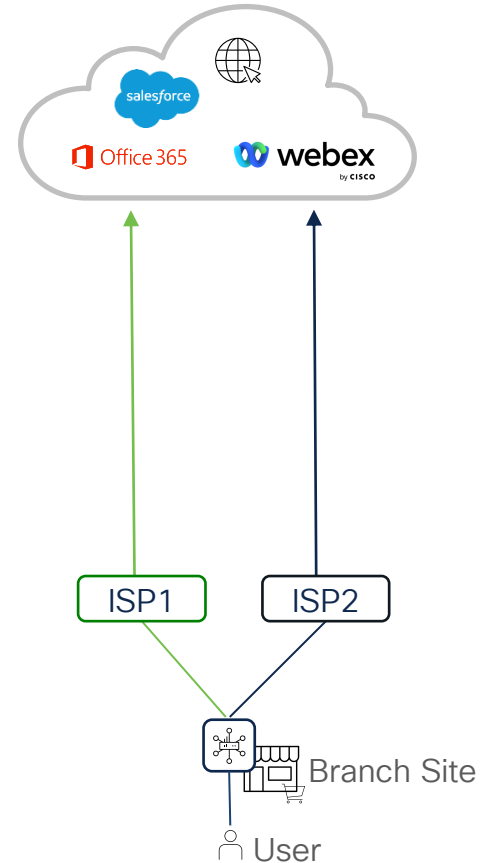
Deployment Use Cases



Branch with Dual DIA

Use Case-1

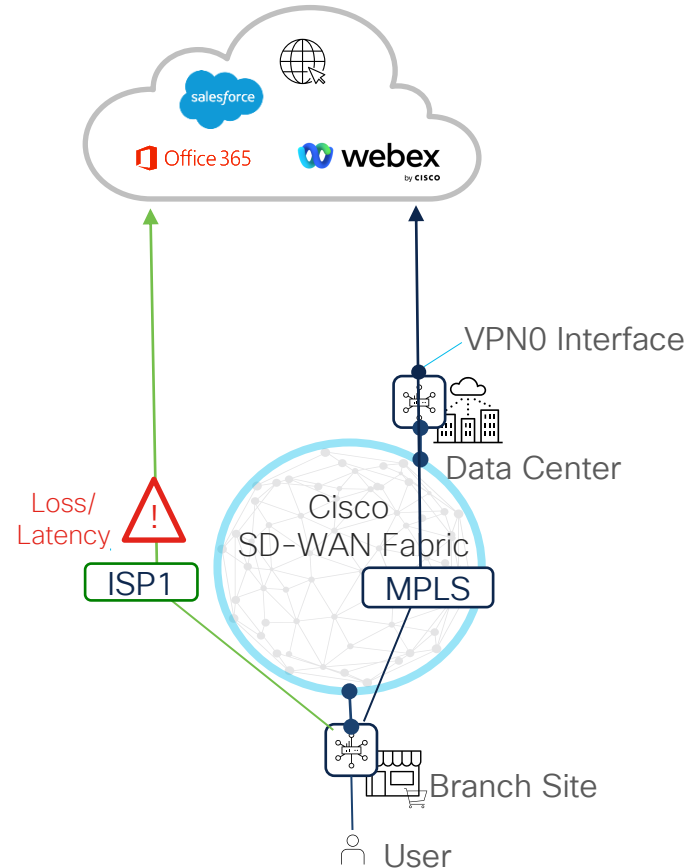
- Branch with two internet circuits.
- HTTP/HTTPS probes sent via both ISP circuits
- Enable load balancing SaaS traffic between ISP1 and ISP2 when performance of circuits is within configured latency and loss variance.
- Calculates latency and loss score and selects best performing path for SaaS or Enterprise(Custom) apps.



Branch with DIA + Gateway

Use Case-2.1

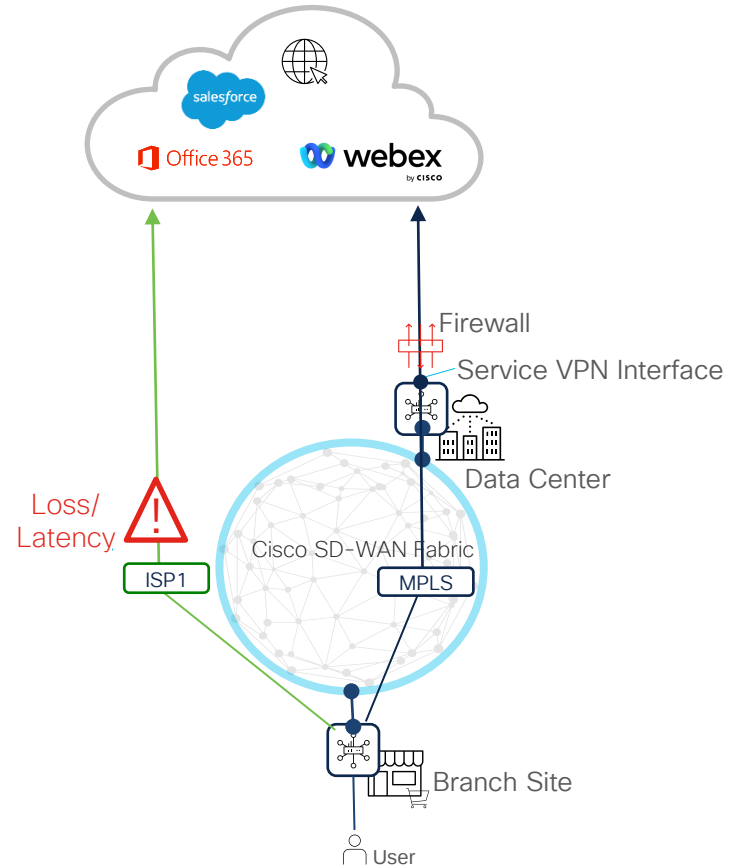
- Branch with Single DIA circuit and using Gateway back-haul
- HTTP/HTTPS probes sent via DIA circuits from branch router and via VPN 0 (Transport VPN) interfaces from Gateway router
- Calculates latency and loss score and selects best performing path for SaaS or Enterprise(Custom) apps



Branch with DIA + Gateway

Use Case-2.2

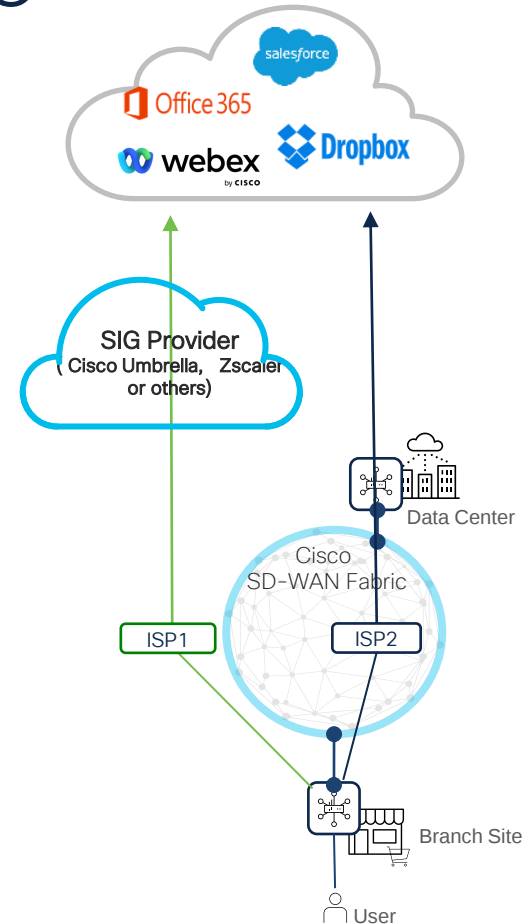
- Branch with Single DIA circuit and using Gateway back-haul
- HTTP/HTTPS probes sent via DIA circuits from branch router and via Service VPN interfaces from Gateway router
- Traffic from Gateway router is sent via Service VPN interface to a Firewall and Firewall does Inspection & NAT before sending the traffic to SaaS apps destination.
- Calculates latency and loss score and selects best performing path for SaaS or Enterprise(Custom) apps



Branch with SIG + Regional DC

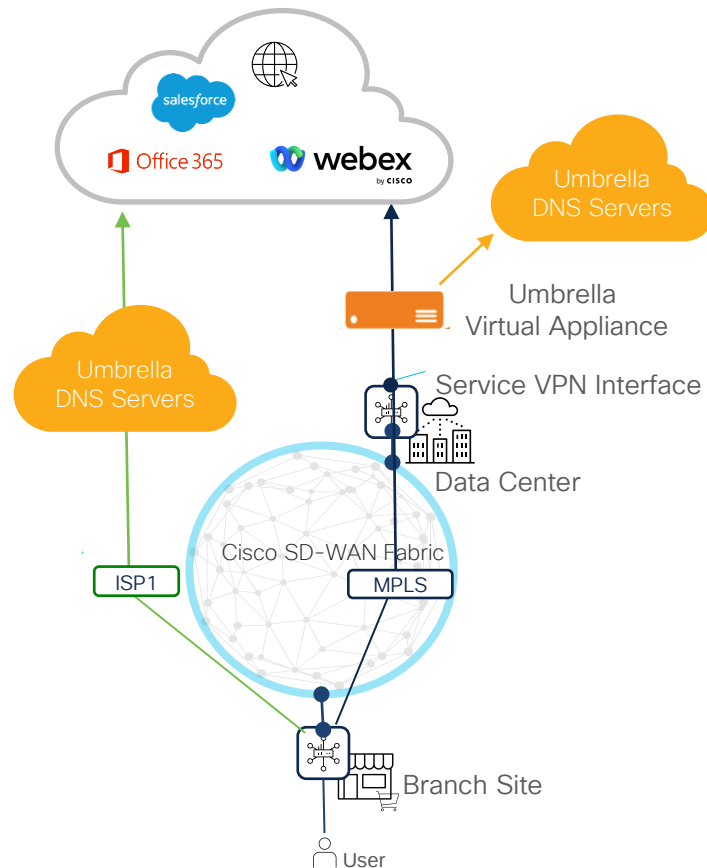
Use Case-3

- Branch with Single DIA circuit (via SIG) and using Gateway back-haul
- Branch users access internet via SIG tunnels or via Gateway site with Central Security inspection.
- HTTP/HTTPS probes sent via SIG tunnels from branch router and via VPN 0 or Service VPN interfaces from Gateway router
- Calculates latency and loss score and selects best performing path for SaaS or Enterprise(Custom) apps



Cloud OnRamp for SaaS + Umbrella DNS Security

- Branch router configured to use Umbrella DNS security for security policy enforcement for DNS Traffic.
- On Branch, when DIA (ISP1) is best path, DNS request is encrypted with EDNS context and sent via the DIA path.
- When DIA is degraded, CoR SaaS detects it and does failover to best path via Gateway site. DNS request with EDNS context from Branch is sent over SD-WAN tunnel to Gateway Site.
- On Gateway site, the Service VPN DNS settings is configured to use Umbrella Virtual Appliance (DNS forwarder) as name server and CoR SaaS redirects the DNS request with EDNS context to it.
- Umbrella Virtual Appliance then encrypts and forwards the DNS request to the Umbrella DNS servers.



Cloud OnRamp for SaaS – Summary



- DNS resolution
- Quality Probing and Performance visibility
- Best Performing Path selection and Fast Failover
- Cloud OnRamp for SaaS for specific M365 URL/IP Categories & enhanced visibility with M365 Application Telemetry.
- Cloud OnRamp for SaaS for per region Webex Traffic & Visibility into Webex Application Telemetry.
- Bring Your Own App (BYOA) to Cloud OnRamp

An innovative way to identify the best path to SaaS applications

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[Cloud OnRamp for SaaS Overview](#)

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[What is Cloud OnRamp for SaaS?](#)



[Cloud OnRamp for SaaS At-a-Glance](#)

Cisco Live EMEA - Catalyst WAN Learning Map

Sunday – 9th

TECENT-2000 1:30 PM

Understanding Cisco Catalyst SD-WAN Design for Scale with High Availability

TECARC-2407 1:45 PM

Architecture, Deployments and Troubleshooting deep dive for Cisco Catalyst 8000 series edge platforms

Monday – 10th

TECENT-3998 8:30 AM

Catalyst SD-WAN Cloud deep dive

TECENT-3999 8:45 AM

Complete deep dive of Catalyst WAN Security Technologies and use-cases

BRKENT-2108 2:00 PM

Cisco SD-WAN: Start Here

Tuesday – 11th

BRKENT-2139 8:00 AM

How to choose the correct Branch Router

BRKENT-1039 2:30 PM

Power your WAN with SD-Routing

BRKENT-1313 2:30 PM

Making SD-WAN Easy: Operational Simplification and User Experience

BRKENT-2630 3:00 PM

How to Optimize SaaS Applications using Cisco Catalyst SD-WAN?

BRKENT-3482 4:15 PM

The Small Branch ISR: More Powerful Than you think

Wednesday – 12th

BRKENT-2156 8:00 AM

Chatting with your SD-WAN Network - Power of AI & LLMs to Simplify SD-WAN Network Operations

BRKENT-2609 1:00 PM

Solving Global WAN Challenges with Multi-Region Fabric

BRKENT-2660 5:30 PM

Customer Case Studies: Lessons learned from the Cisco SD-WAN Design Council

Thursday – 13th

DEVNET-1318 2:30 PM

Cisco SD-WAN: Better NetOps for better DevOps

BRKARC-2885 3:45 PM

Cisco Catalyst 8500 Series Edge Platform Deep Dive

Friday – 14th

BRKENT-2520 9:00 AM

Segment Routing Innovations in IOS XE

BRKCLD-1512 9:00 AM

Untangling the Multi Cloud Maze: Simplify Hybrid Connectivity with Catalyst SD-WAN

LTRATO-2596 9:00 AM

Own your SDWAN Fabric via SD-WAN Manager API's.

BRKENT-2666 9:15 AM

Breaking Barriers: An Automation Framework for Multicloud Access with the SP Service Exchange

BRKENT-2428 11:00 AM

Catalyst SD-WAN Application-Aware Routing, SASE, and Policy Innovations

Webex App

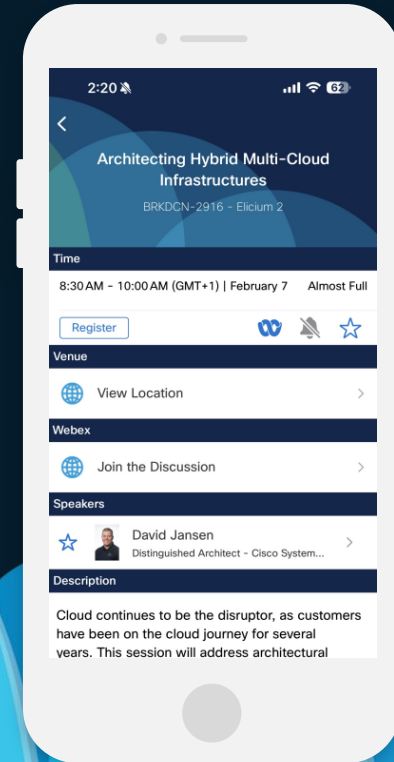
Questions?

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

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- 4 Enter messages/questions in the Webex space

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



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Content Catalog

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Contact me at: msuchand@cisco.com

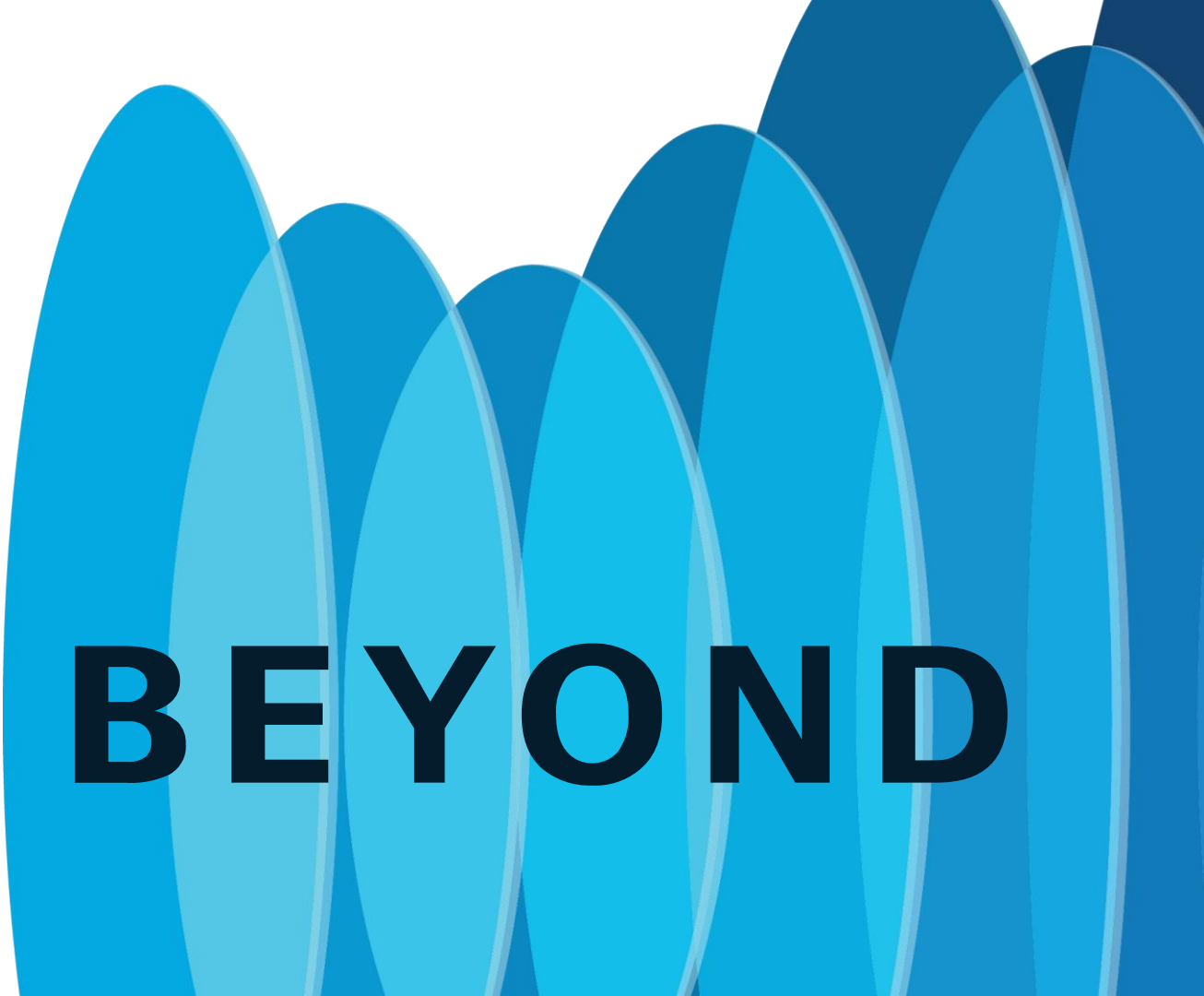


Thank you



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GO BEYOND

The background of the slide features a series of overlapping, teardrop-shaped elements in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are arranged in a way that creates a sense of depth and movement, resembling a stylized horizon or a series of waves. The overall composition is clean and modern, with a focus on the central text.