The bridge to possible

Cisco SD-WAN UX2.0

A simplified but rich user experience

Filipe Moreira, CCIE# 46606
Leader, System Engineering

cisco Live!

BRKENT-1195

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 until February 24, 2023.

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Agenda

- UI Vs UX
- Why UX2.0
- What & How UX2.0
- Going Forward

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UI Vs UX

User Interface (UI) Vs User Experience (UX)

- Visual elements that allows users to interact with solution
- Typography, colors, images, buttons, etc
- Aesthetic

- Pathway to solve a problem
- User friendly and journey
- Effectiveness

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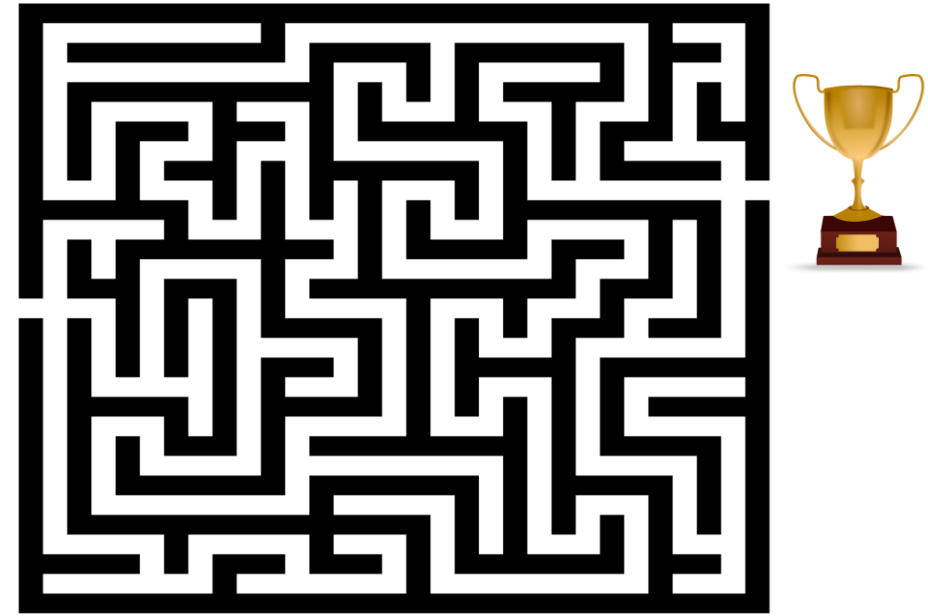
Why UX2.0 ?

Listening to Our Customers

- Non-Intuitive User Interface
- Configuration Complexity
- Lack of Troubleshooting
- Poor Visibility and Application Performance



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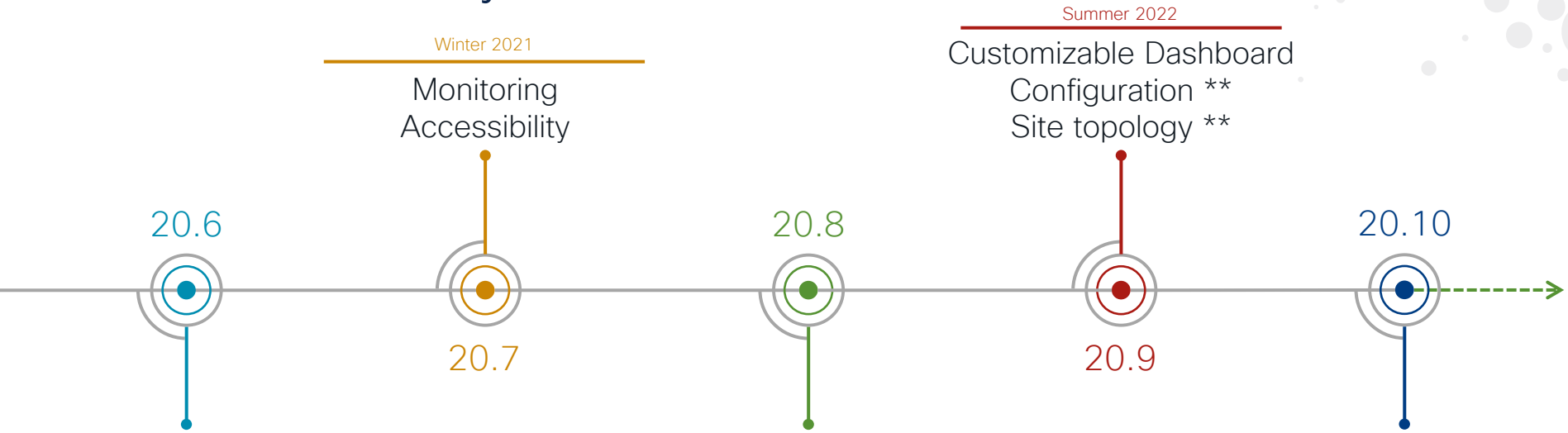
What & How
UX2.0

UX2.0 Journey



* Phase 1
** Phase 2

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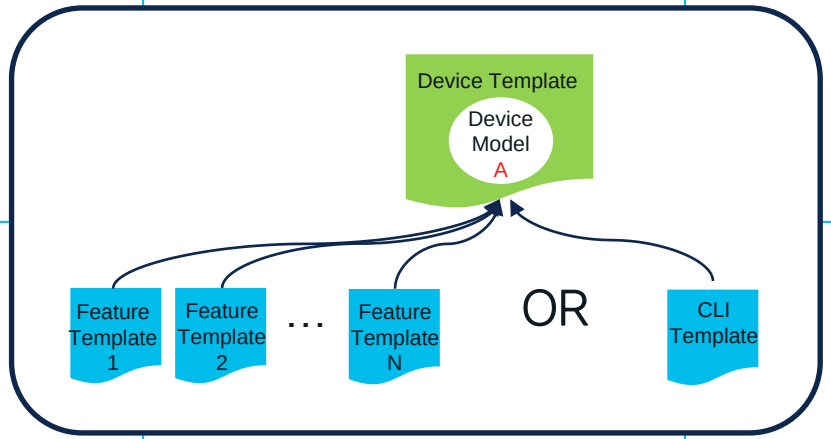
Operational Simplicity

Templates - Background

Not Intuitive and
Not sequential

No Smart Default
Values

Template sprawl
can be very high



Slow and Manual

Not Device Agnostic
Minimal Re-use

No Structure and
Lack of Visibility

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Starting Principles

Simplicity

- Workflow-based configuration that guides the user with step-by-step instruction.
- Clearly identifies what is necessary/optional and recommended Cisco networking best practice.

Structure

- Group devices based on role or function.
- This structure can be used by other features of vManage such as Monitoring and Troubleshooting.

Re-usability

- Configuration components can be re-used across an entire device family (cEdge) instead of being specific to one device model.

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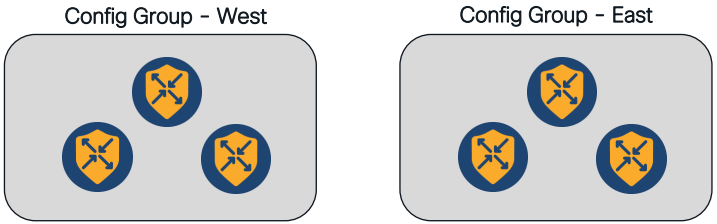
Configuration

Configuration – New approach

Config Group

- Logical grouping of devices that share a common purpose within the WAN.
- The user defines and can customize this grouping based on business needs.



Example:
- West/East
- EMEA/AMER
- Retail Store/Distribution Center

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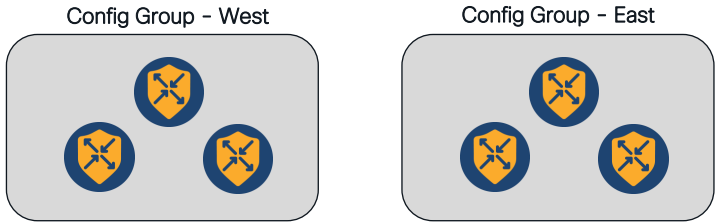
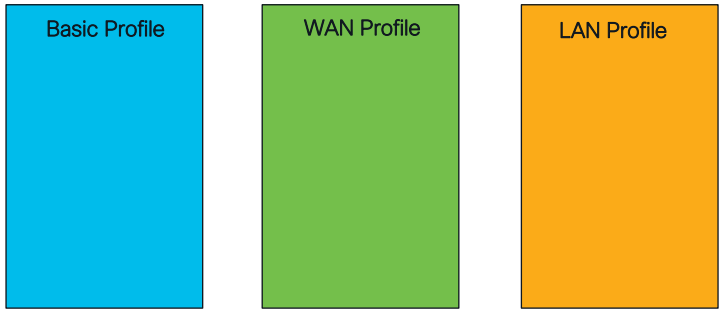
Configuration – New approach

Feature Profiles

- Configuration “buckets” that are required
- Combine profiles together like building blocks
- Build, save, and reuse





Example:
- Basic Profile
- WAN Profile
- LAN Profile

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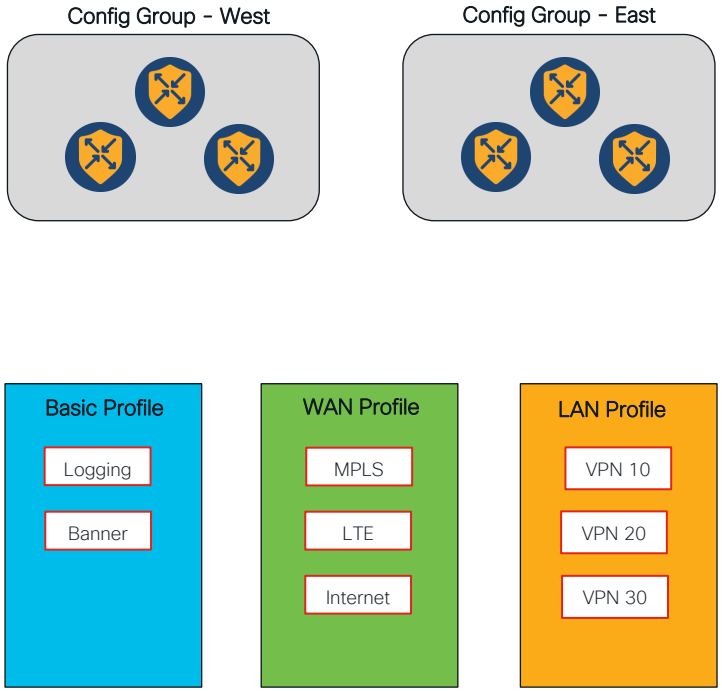
Configuration – New approach

Feature Parcels

- Individual capabilities you wish to share across Configuration Groups.



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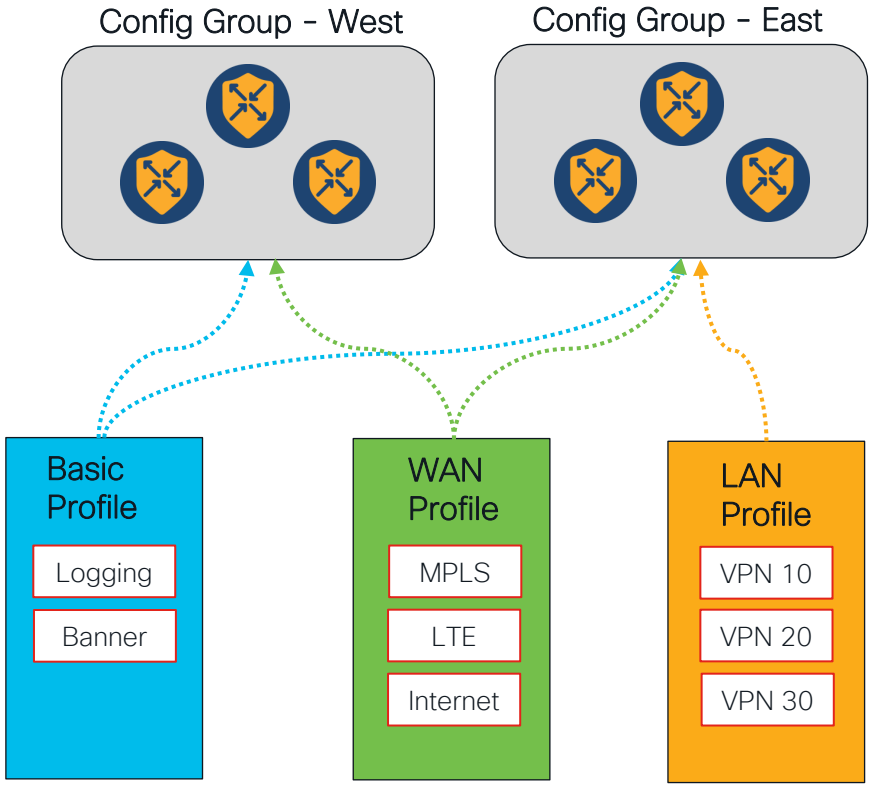
Configuration



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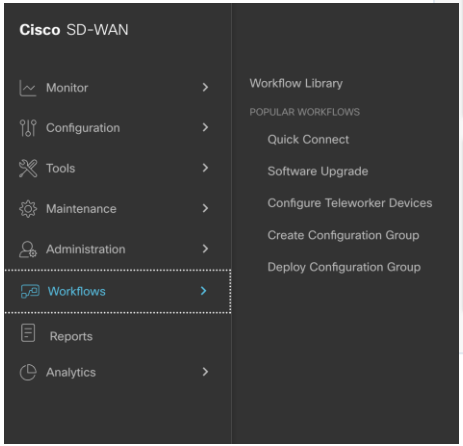
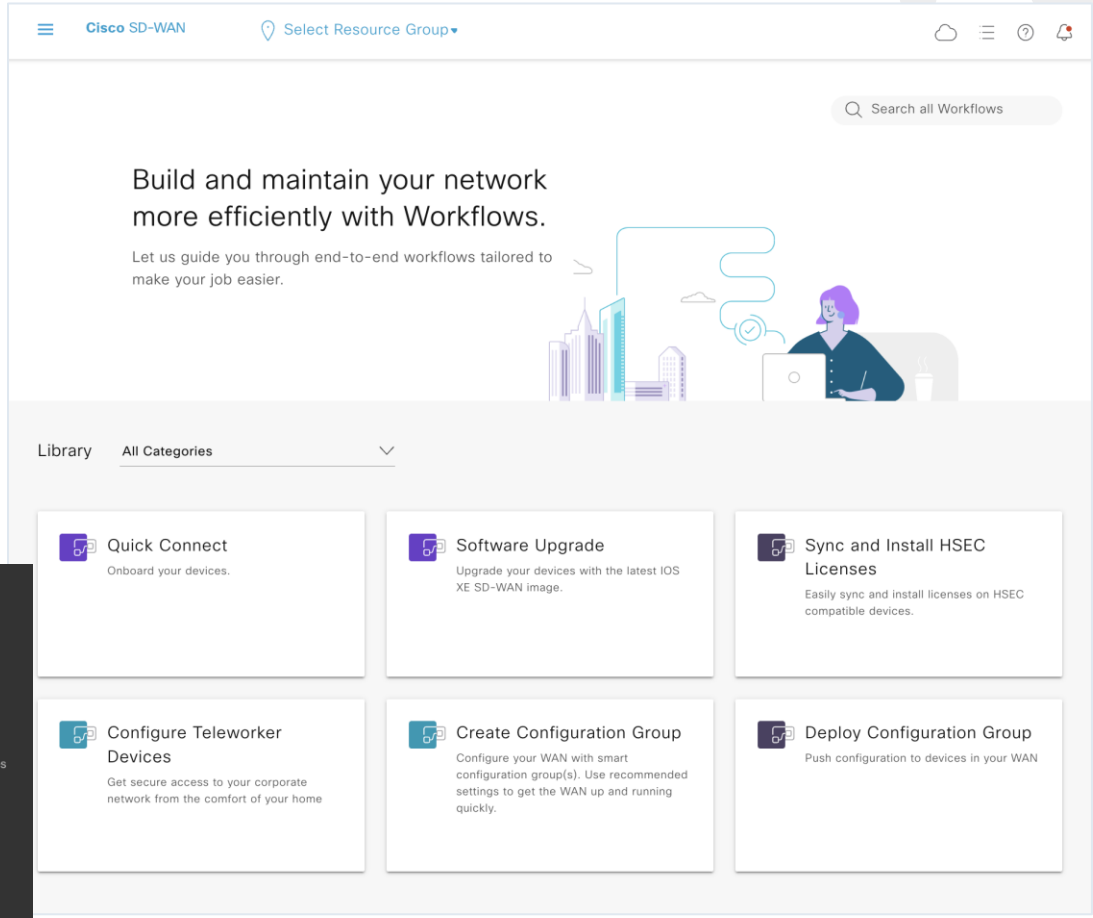
Guided Workflows

- Complete use-cases with streamlined, end-to-end guidance
- One-stop shop to onboard and deploy Cisco SDWAN





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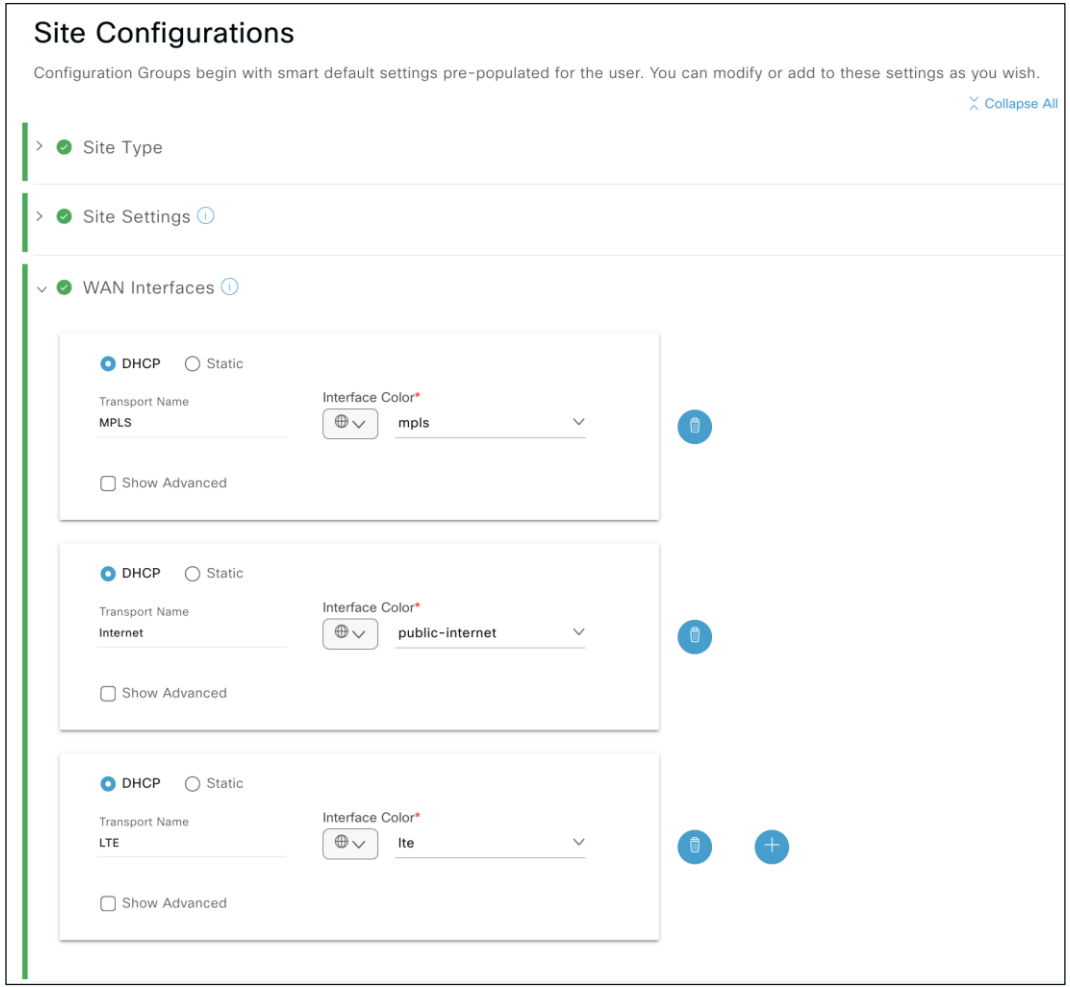
Smart Defaults

- Common settings are pre-populated with Cisco-recommended best practices
- Decide what to keep and what to modify further
- Build a complete configuration in <5 minutes with Cisco Smart Defaults!



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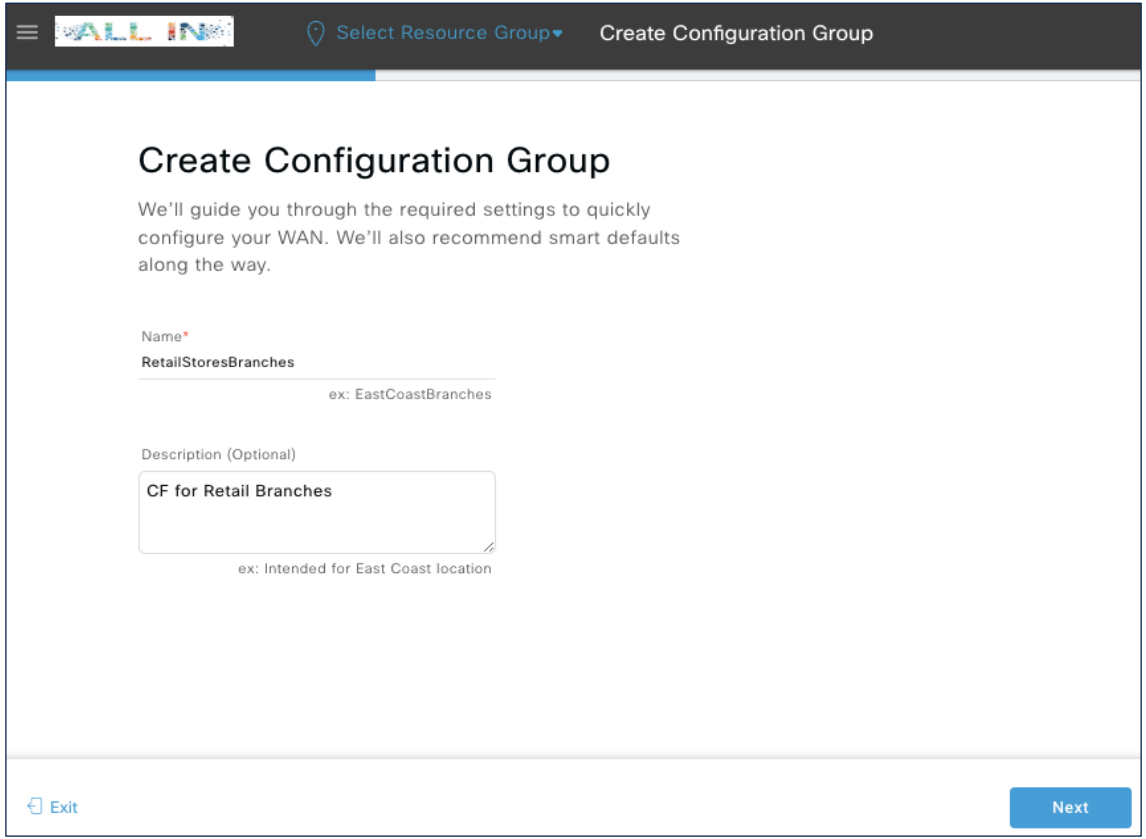
Configuration – Workflow

1. Name and Description



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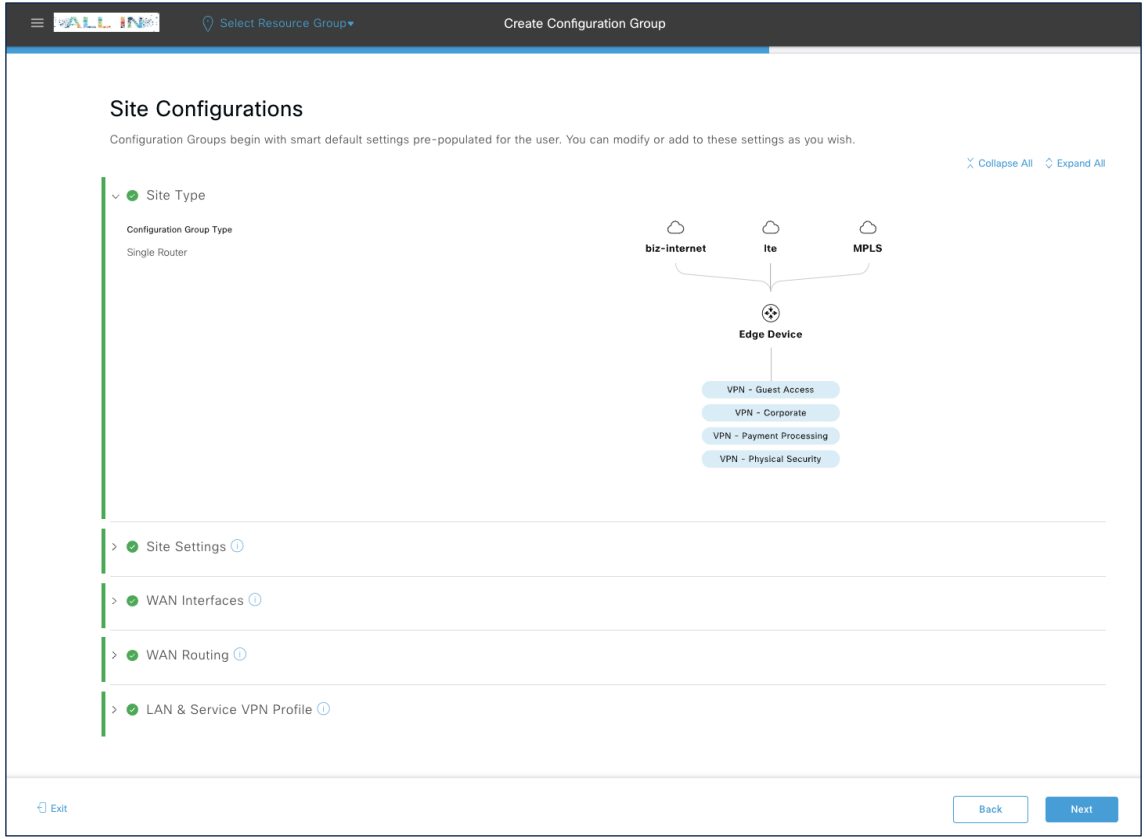
Configuration – Workflow

1. Name and Description

2. Check/Edit Configuration



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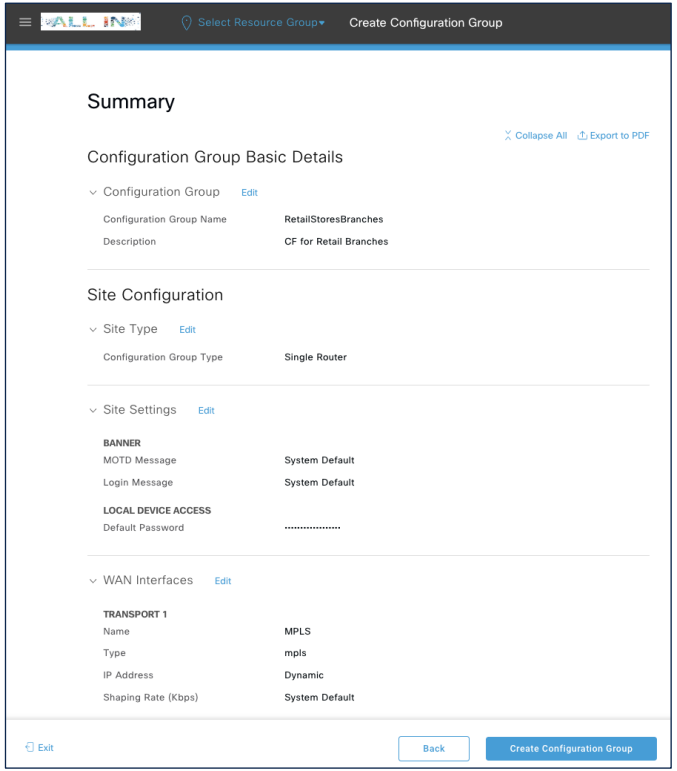
Configuration – Workflow

1. Name and Description

2. Check/Edit Configuration

3. Review Summary



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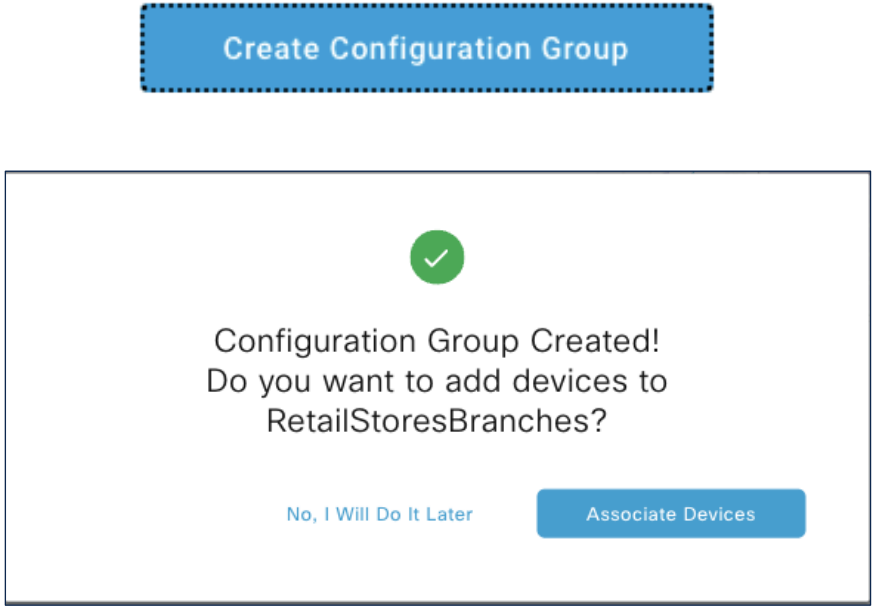
Configuration – Workflow

1. Name and Description

2. Check/Edit Configuration

3. Review Summary

4. Create Configuration Group



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Configuration – Workflow

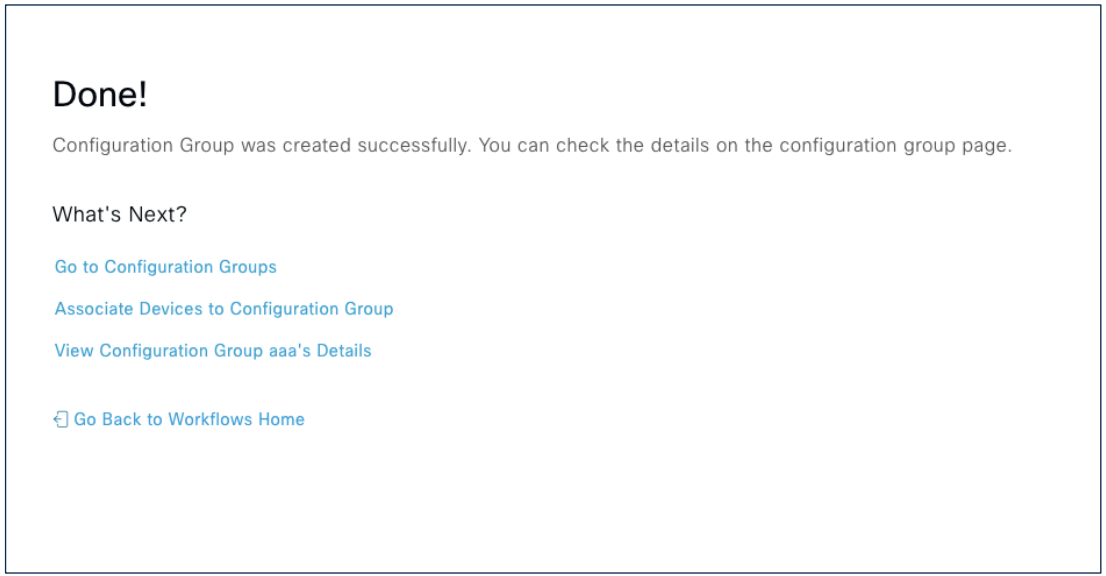
1. Name and Description

2. Check/Edit Configuration

3. Review Summary

4. Create Configuration Group

5. Workflow Completed



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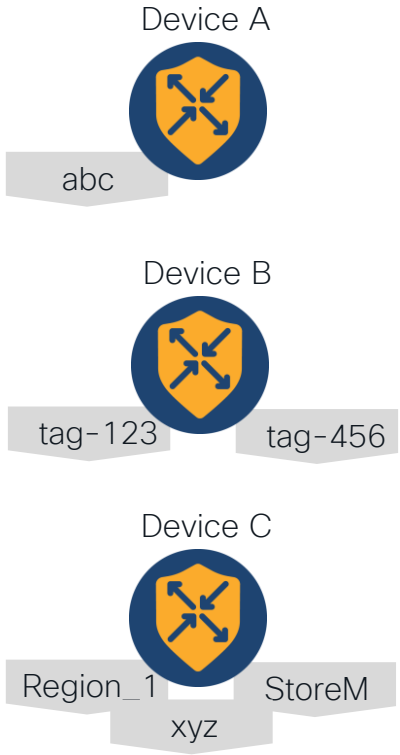
Configuration – New approach

Tagging

- Tags bring abstraction to fabric overlay
- Devices can be associated with user defined Tags.
- Tags enables grouping of devices which can then be used for describing, finding or manage devices.



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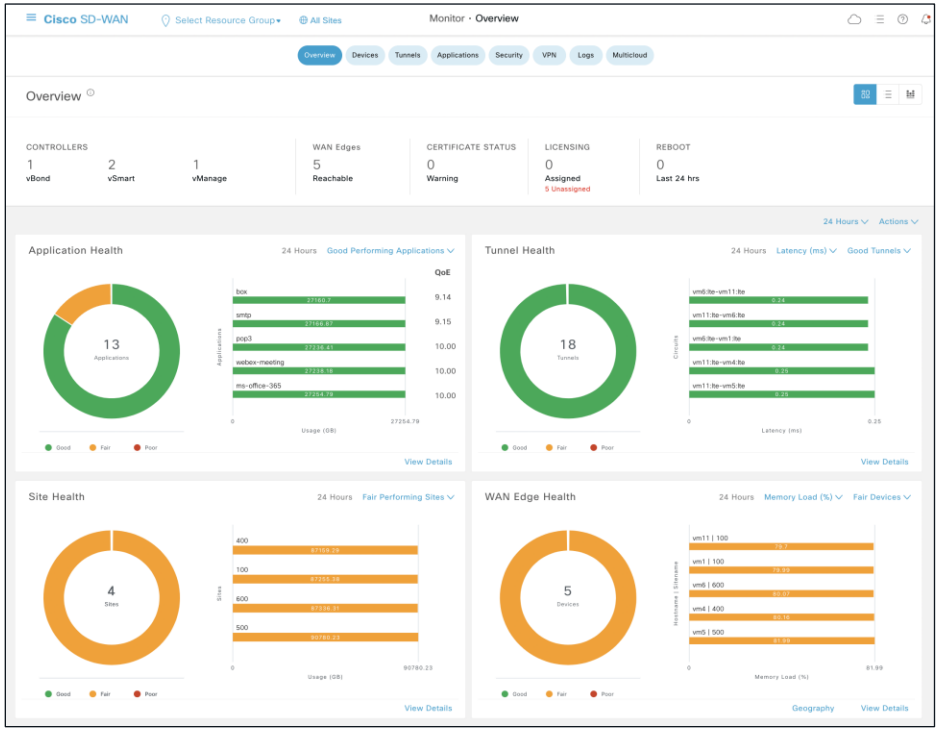
Monitor

Monitor

Rebuilt monitoring experience:

- All-new application and site data across the entire WAN
- Streamlined user navigation with site-specific dashboards
- Historical information of device, tunnel, application, and site health up to 24 hours



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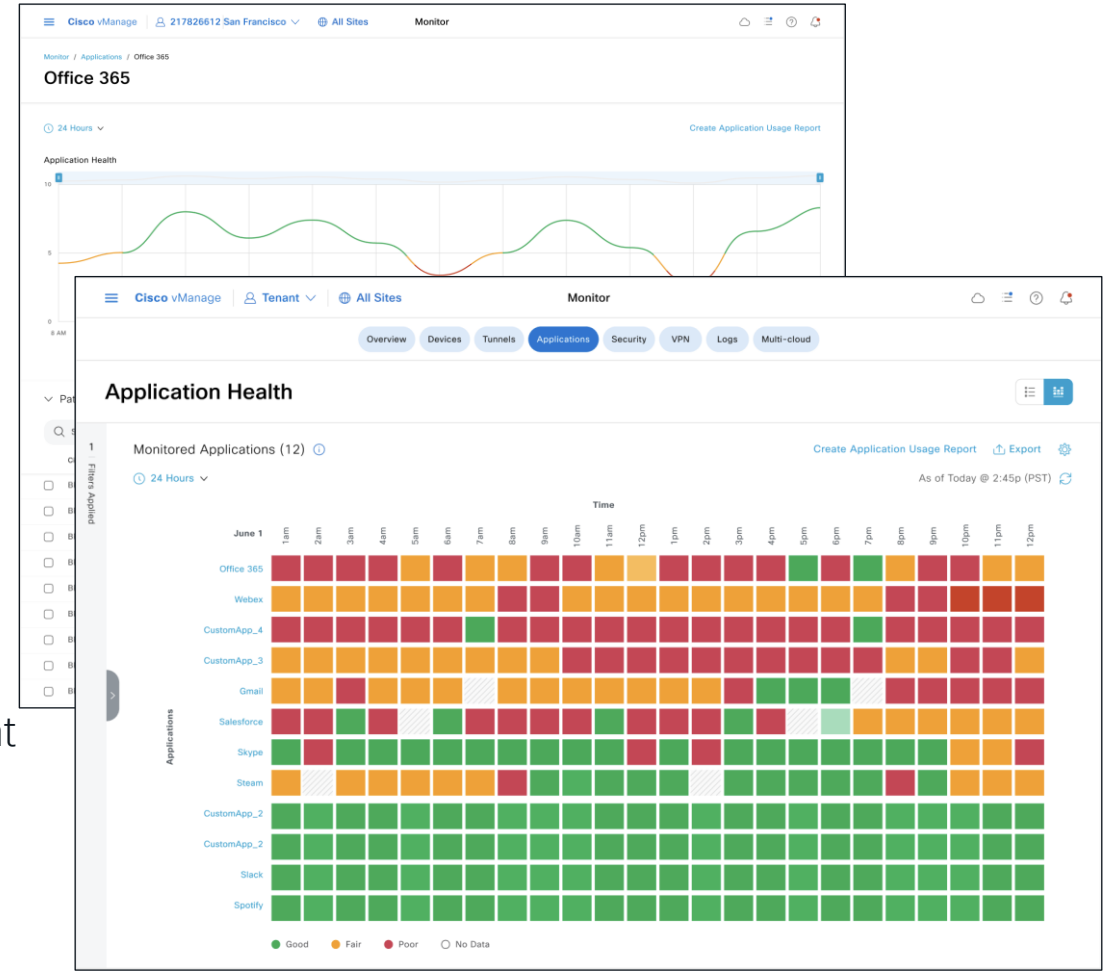
Monitor

Rebuilt monitoring experience:

- Robust application data on applications that matter most
- View application health from a historical context with Cisco HeatMaps
- Troubleshoot problematic applications across the WAN or at individual locations



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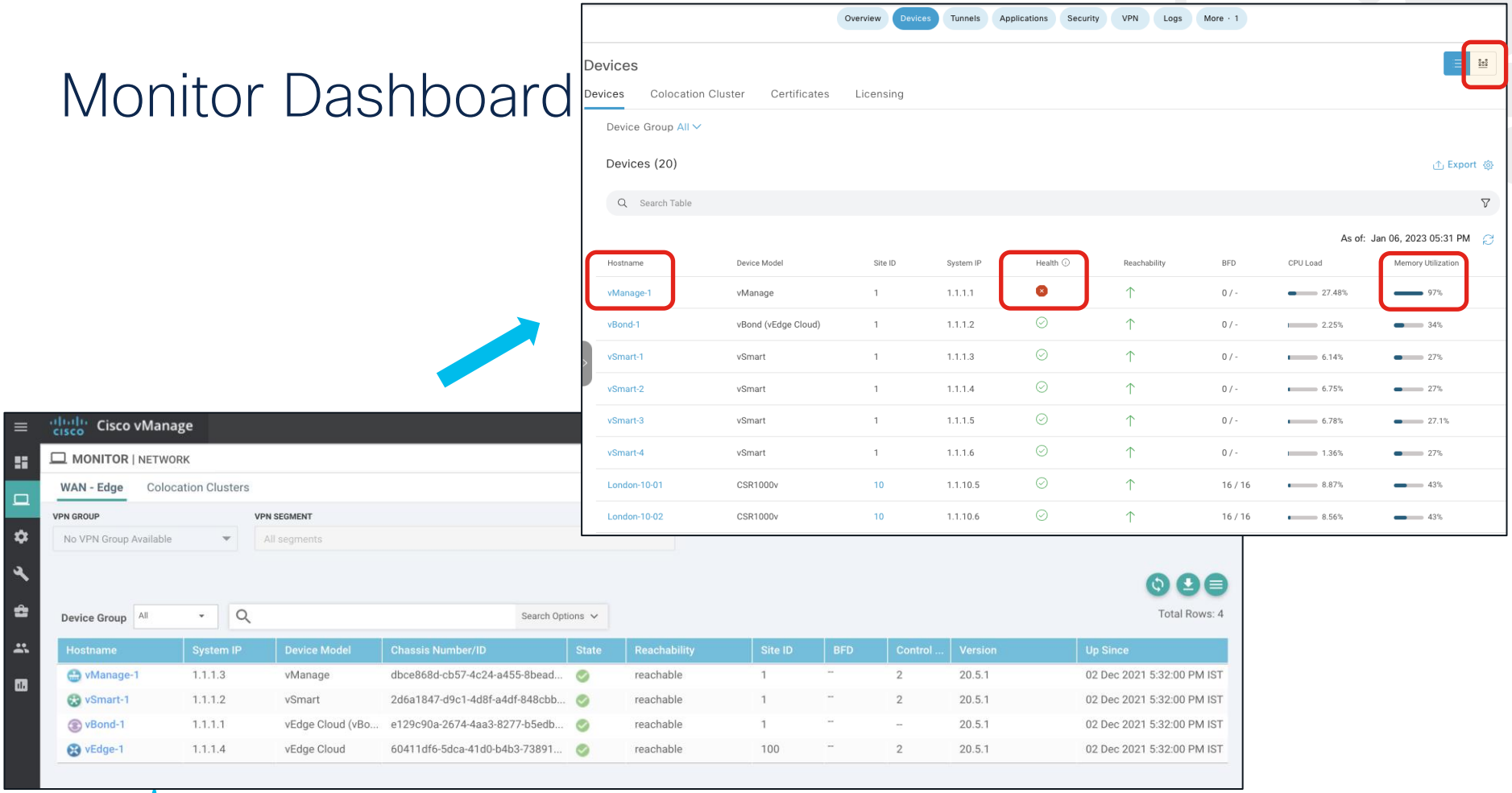
Monitor Dashboard



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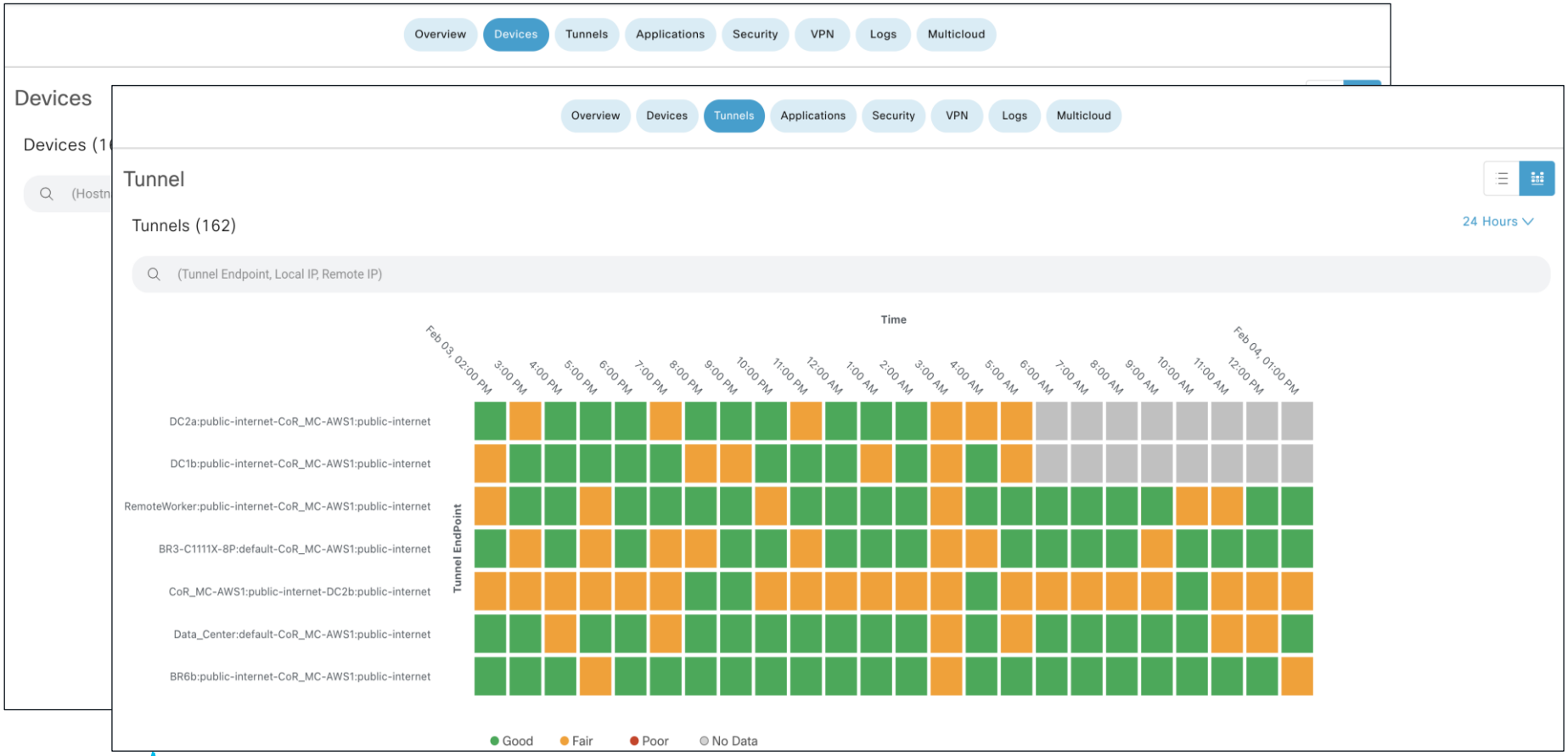
Devices Dashboard - Heatmap



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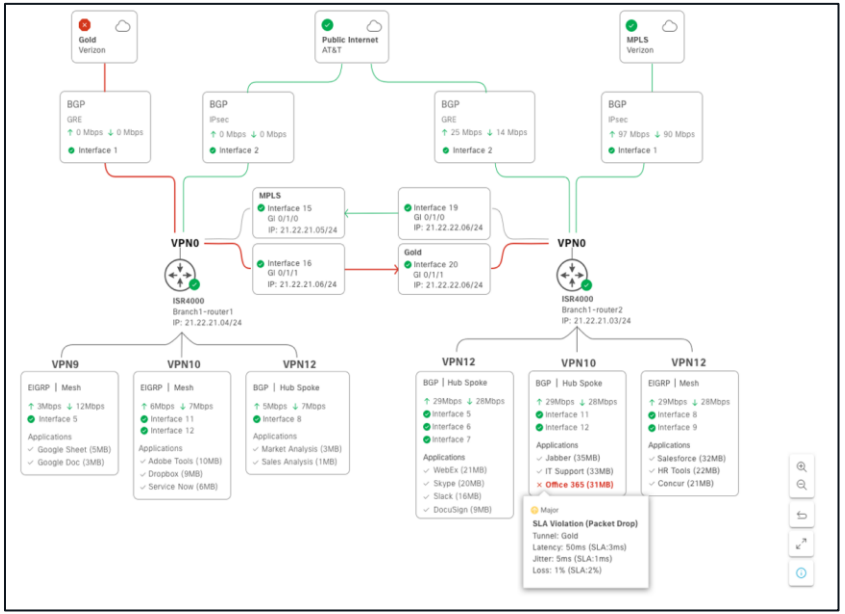
Topology View

Enhanced Topology – Vision

- Refreshed topology w/ WAN health information
- Details shown for circuits make it easy to diagnose problems
- Explains current site and device configurations and issues
- Instant documentation



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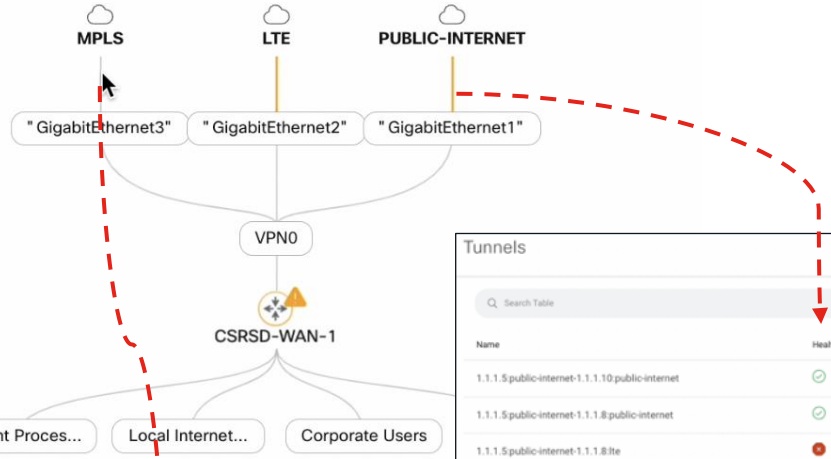
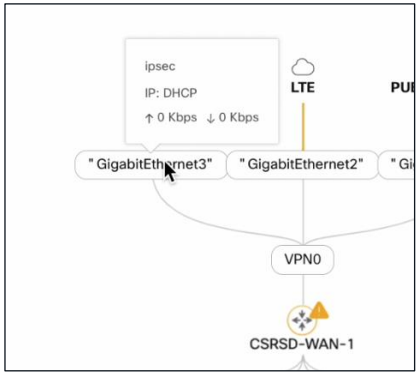
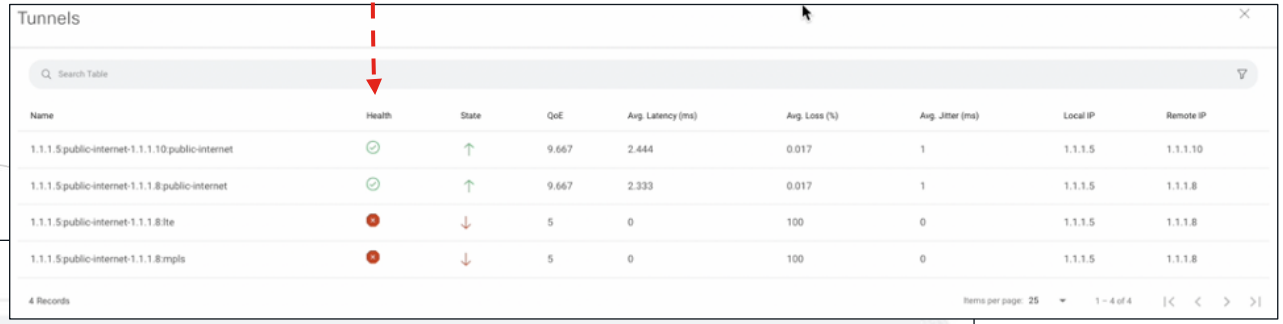
Site Topology - Transport







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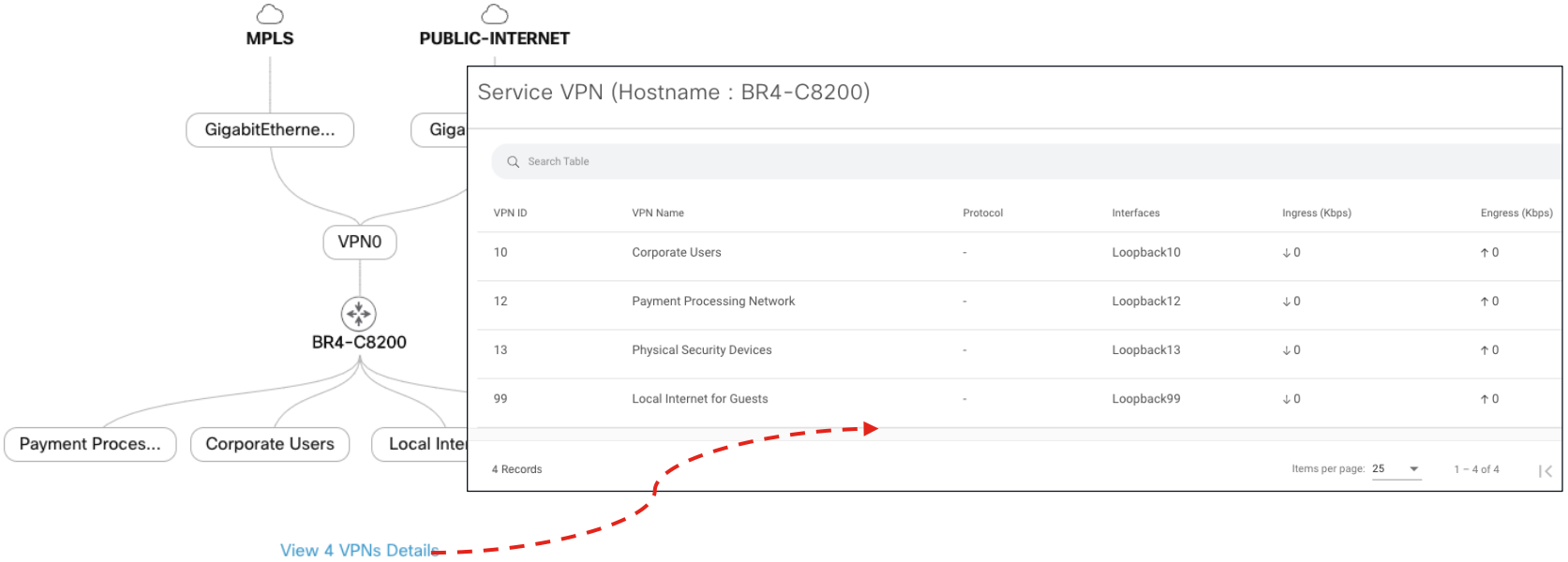
Site Topology - Service



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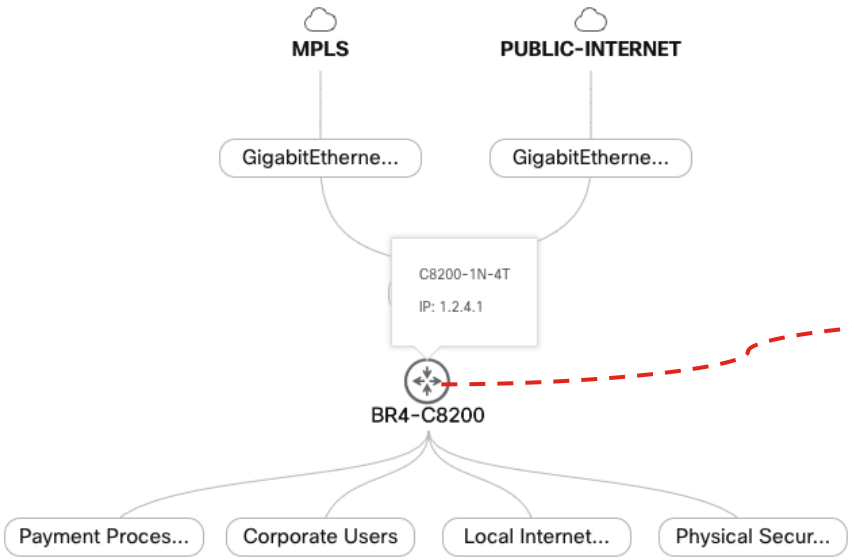
Site Topology - Device



View 4 VPNs Details

BR4-C8200

Hostname	BR4-C8200
Device Model	C8200-1N-4T
Site ID	10104
System IP	1.2.4.1
Health	Good
Reachability	Up
vSmart Control	2/4
BFD	6/6
Up Since	Dec 17, 2022 04:09 AM
CPU Load	15.17%
Memory Utilization	38%
Configuration Group	DEMO_preconfigured

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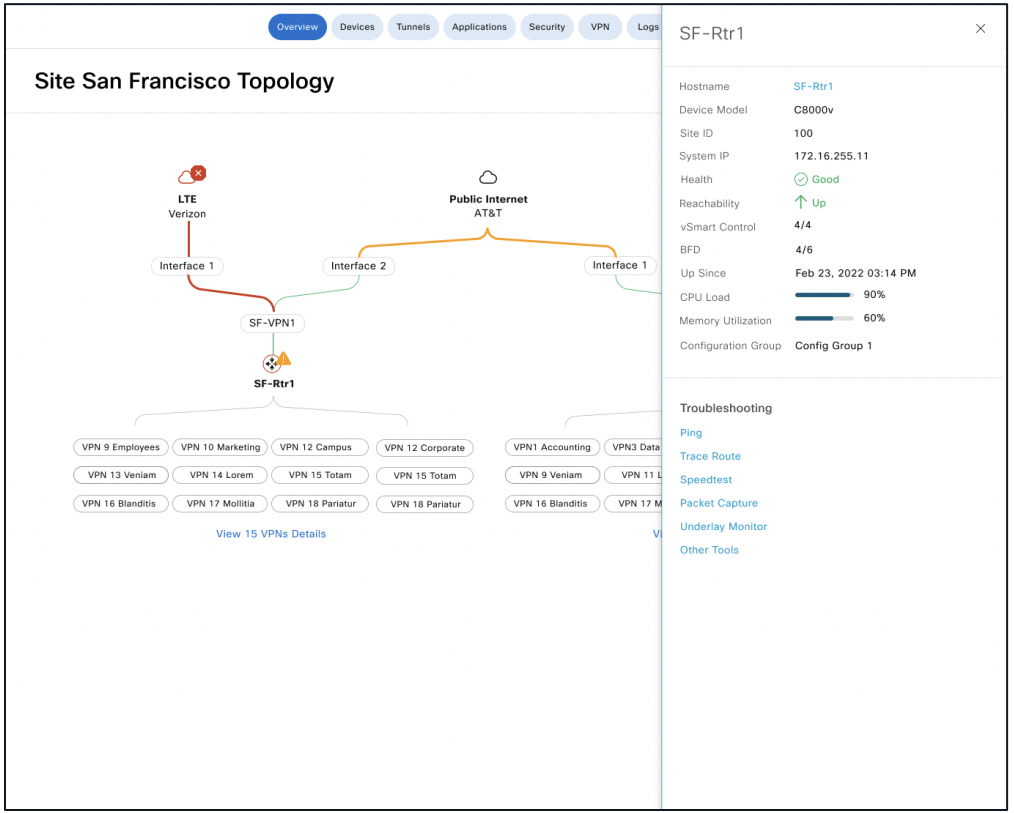
Troubleshooting

Troubleshooting

- Access suite of troubleshooting tools made easy
- Output delivered with minimal user interaction
- Focus on debugging issues in your WAN, not tool parameters



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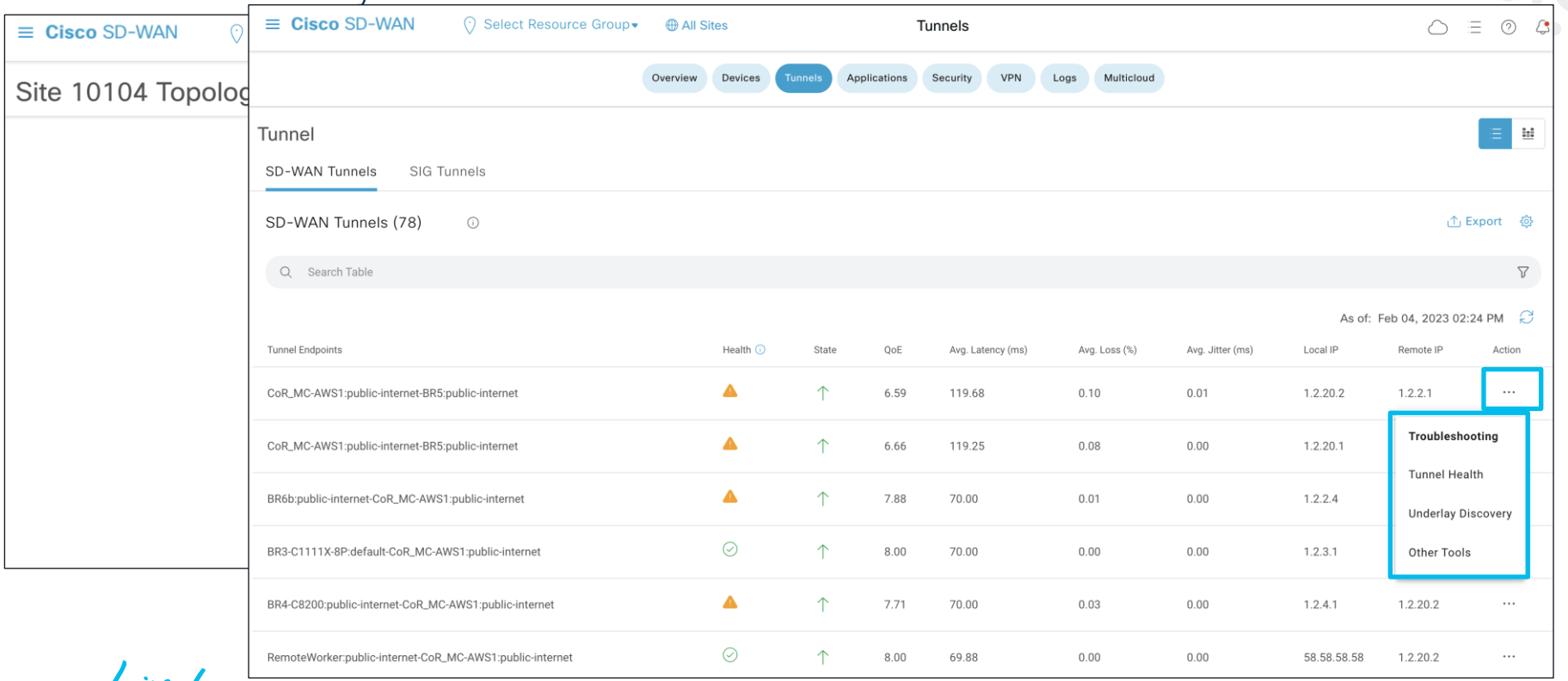
Troubleshooting

Where and when you need it



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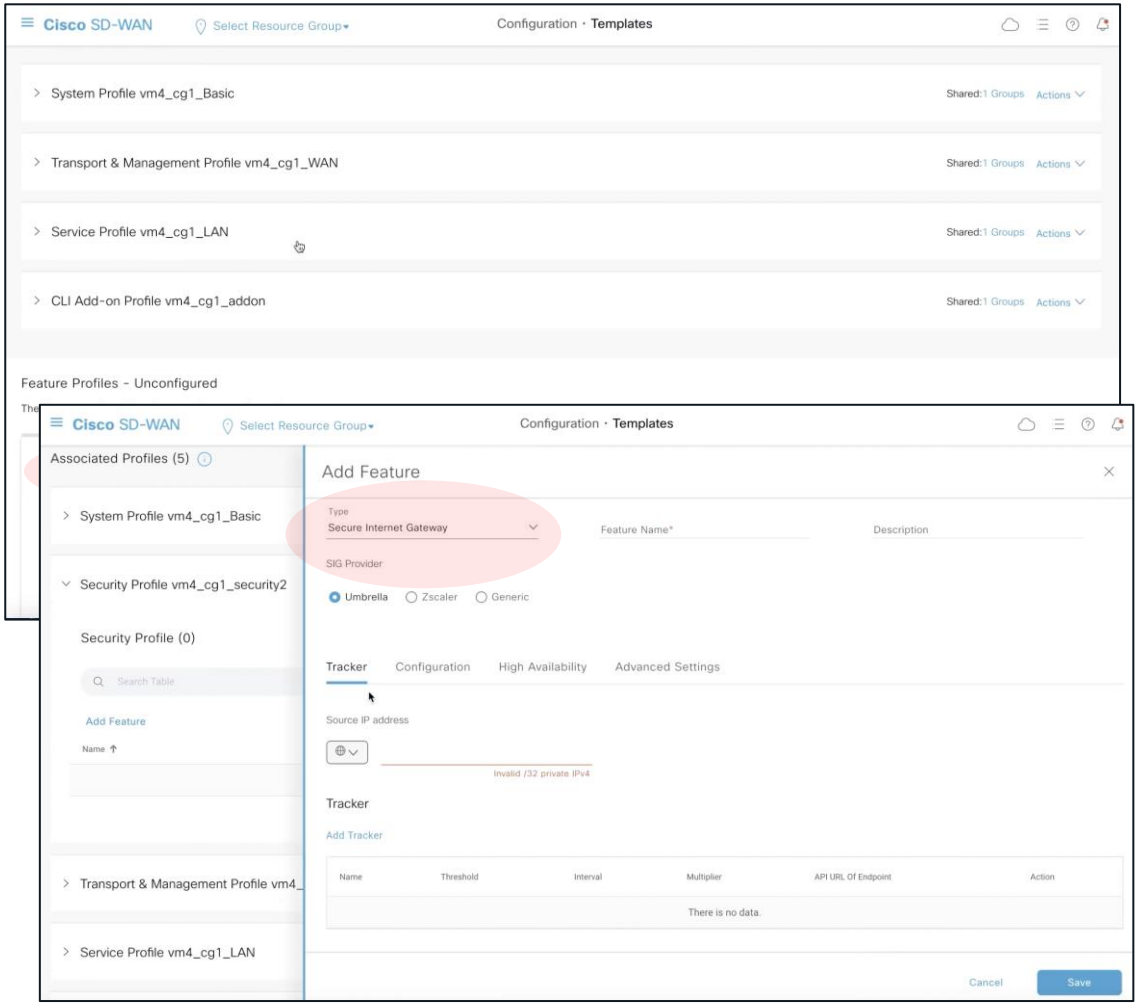
From Latest Release

Security Profile

- Security profile added in 20.10 that consists of a Parcel which references existing Unified Security Policy
- SIG templates are migrated to a Feature parcel



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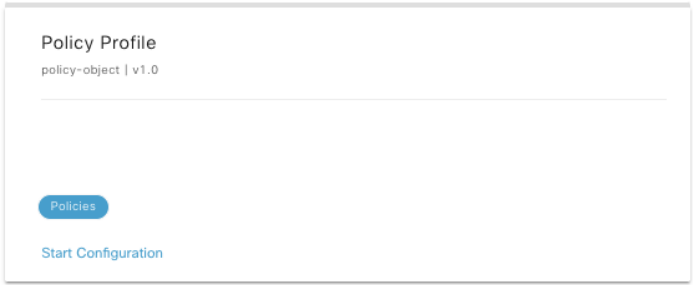
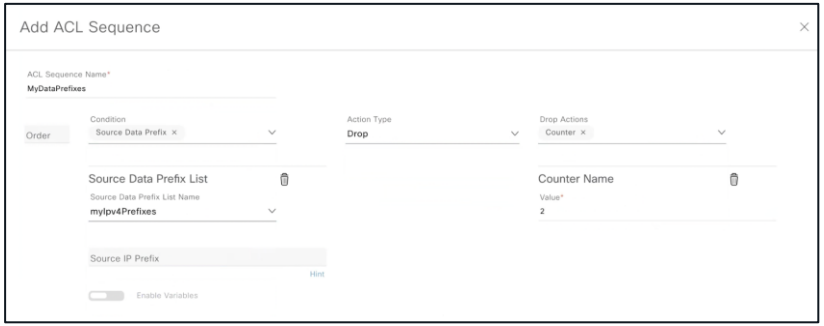
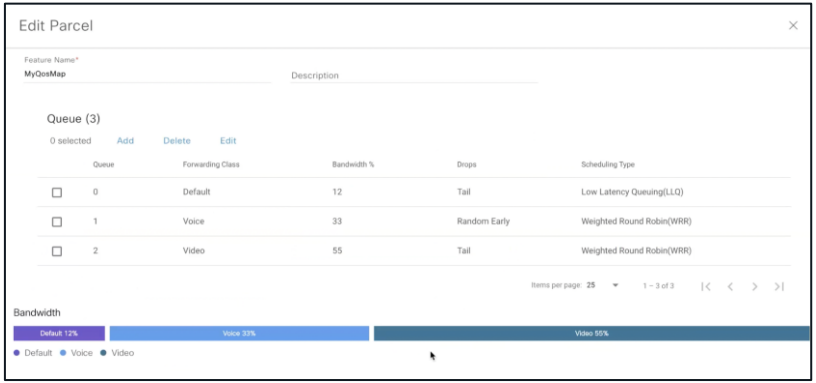
Local Policies

- Policy Object Profile is introduced which will contain policy related objects
- QoS, ACL and Routing Localized Policies are supported







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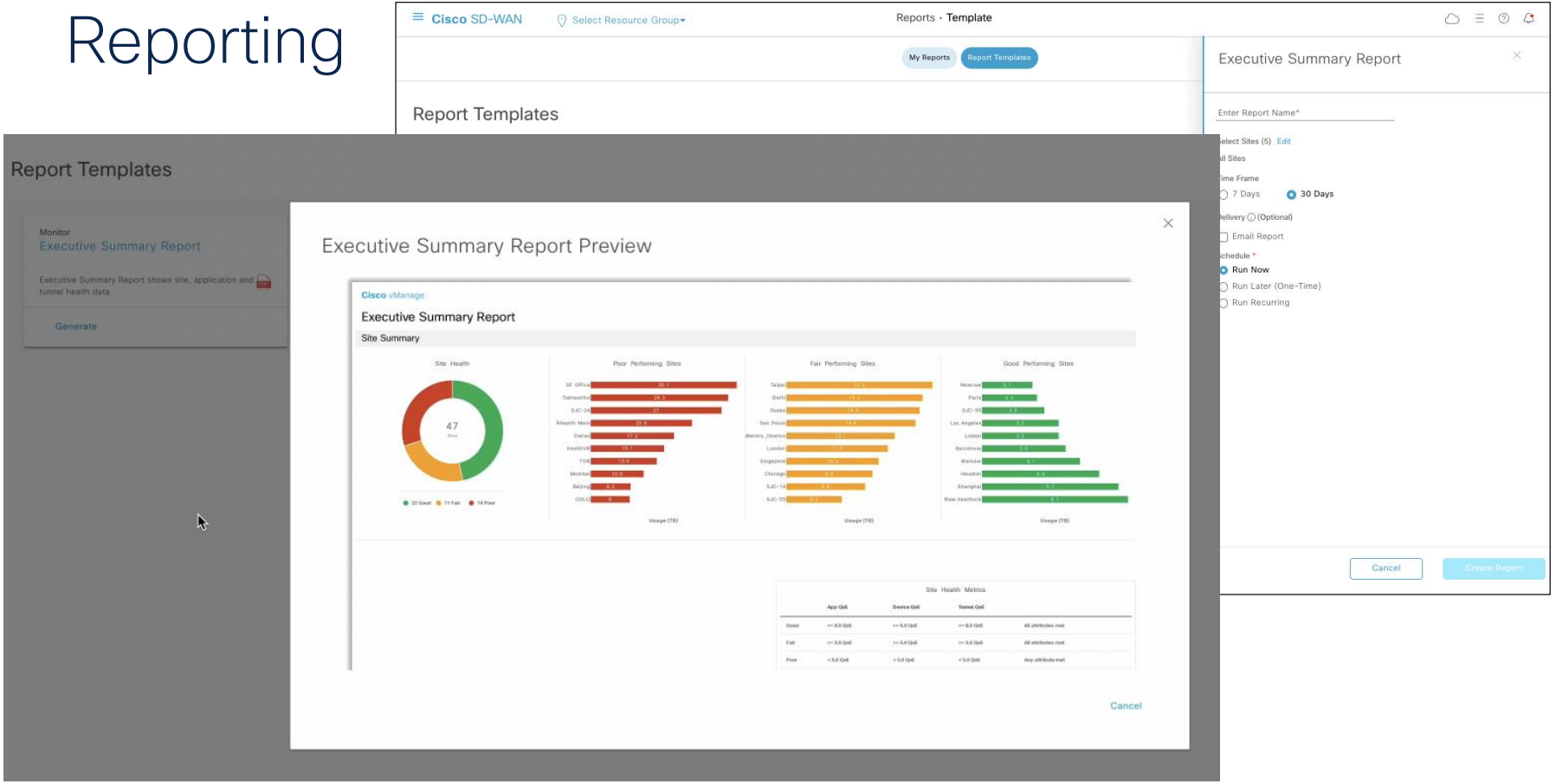
Reporting



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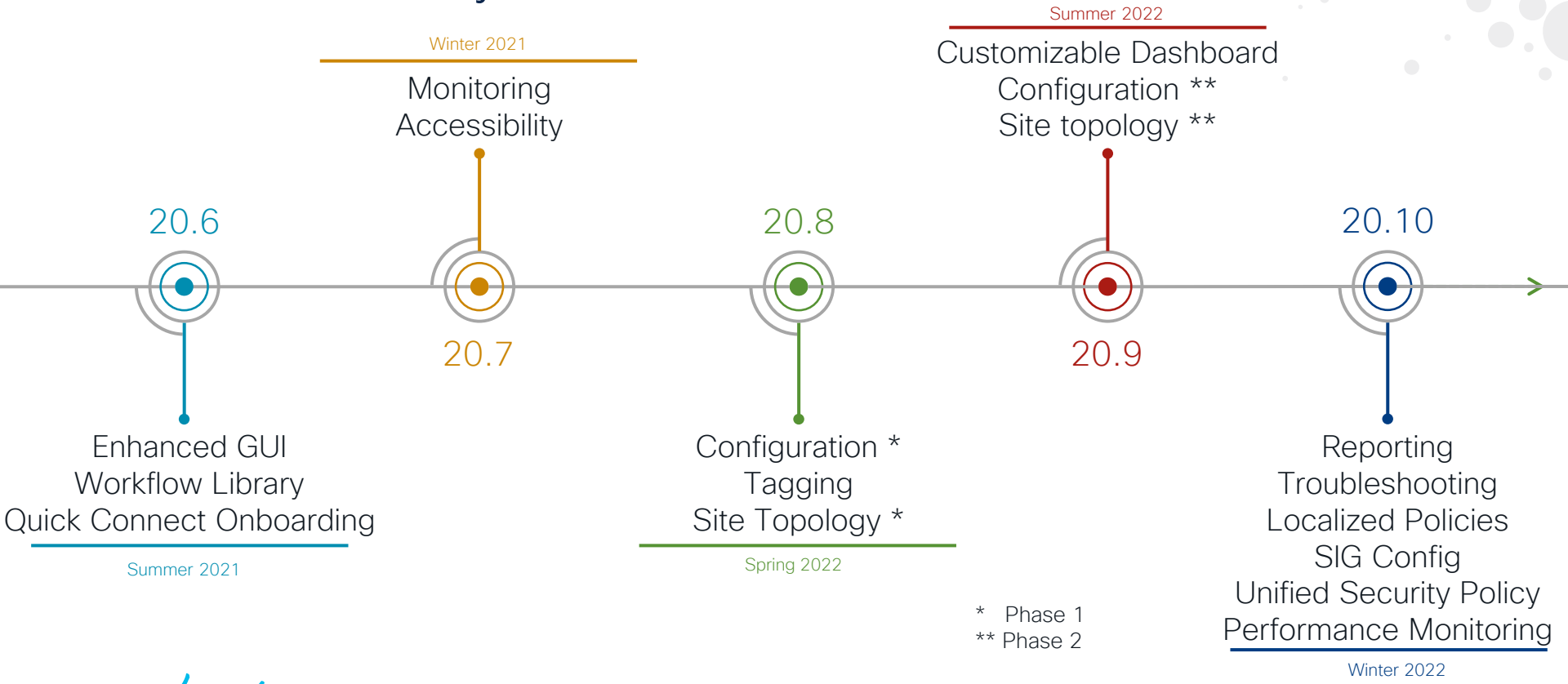
Going Forward

UX2.0 Journey



* Phase 1
** Phase 2

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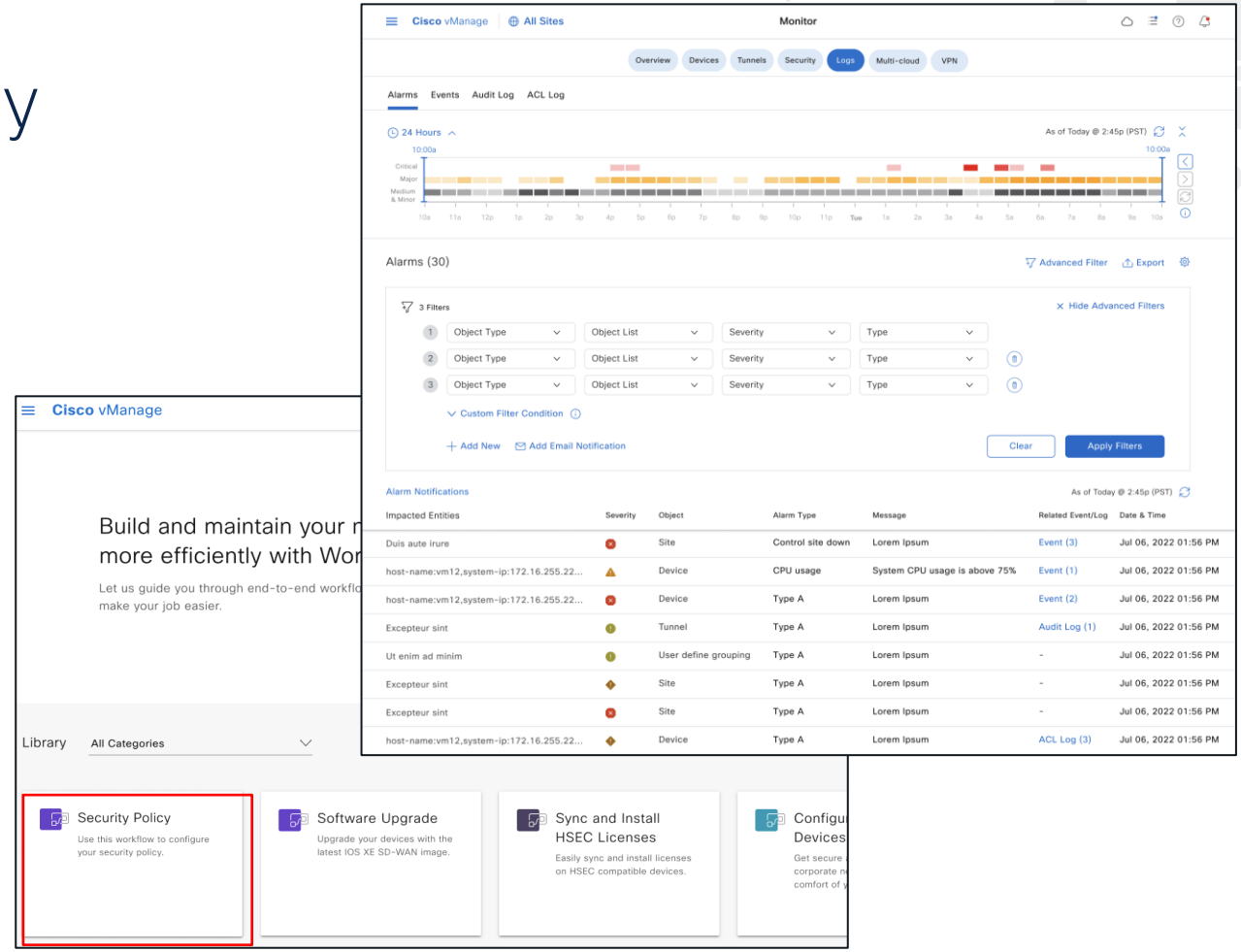
UX2.0 Journey

20.11

Enhanced Alarms Filtering and Correlation Security Workflow

Spring 2023



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Cisco SD-WAN User Experience 2.0

Enhanced UI

Standardizes and improves basic user interactions

Workflows Library

Complete onboarding/Day-N use-cases with streamlined, end-to-end guidance

Simplified Configuration

Workflow configuration with smart defaults and pre-defined settings

Simplified Troubleshooting

Topology view with instance access to troubleshooting tools

Broad Visibility

New, customizable overview dashboards, application performance monitoring.

Granular Management

Customizable dashboards and granular RBAC for different personas

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Complete your Session Survey

- Please complete your session survey after each session. Your feedback is very important.
- Complete a minimum of 4 session surveys and the Overall Conference survey (open from Thursday) to receive your Cisco Live t-shirt.

- All surveys can be taken in the Cisco Events Mobile App or by logging in to the Session Catalog and clicking the "Attendee Dashboard" at https://www.ciscolive.com/emea/learn/sessions/session-catalog.html

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Visit the Cisco Showcase for related demos.

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The bridge to possible

Thank you

cisco Live!
ALL IN

Configuration 2.0 – TAG Restrictions

- 25 Tags per device (maximum)
- 25 Tags per vManage (maximum)
- 25 Characters per Tag (maximum)
- Tags are case sensitive
- Accepted characters: alphanumeric, - , _ (no spaces, regex, other)

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Configuration 2.0 – TAG Rules

Device1	Tag1, Tag2
Device2	Tag1, Tag2, Tag3
Device3	Tag1, Tag4, Tag5
Device4	Tag3, Tag5
Device5	Tag4, Tag5

Equal: (Match all tags)	Tag1, Tag2	Device1 Device2
Not Equal: (Not Match atleast 1 tag)	Tag1, Tag2	Device3 Device4 Device5
Contains: (Match atleast 1 tag)	Tag1, Tag2	Device1 Device2 Device3
Not Contains: (Not Match any tag)	Tag1, Tag2	Device4 Device5

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