

## What's New in LiveNX 21.2.0

- Updated Dynamic Report to now key off Sites.

**Create Report** ✕

**Report:**

**Type:** Basic Flow ▾

**Direction:** Outbound ▾

**Keys**

Selected	Name	Field Name	Search String	Field ID	PEN
<input type="checkbox"/>	Protocol	protocolIdentifier	flow.protocol	4	Standard
<input type="checkbox"/>	Src DSCP	ipClassOfService	flow.tos.src	5	Standard
<input type="checkbox"/>	Src Port	sourceTransport...	flow.port.src	7	Standard
<input type="checkbox"/>	Src IP Addr	sourceIPv4Address	flow.ip.src	8	Standard
<input type="checkbox"/>	Src Prefix Len	sourceIPv4PrefixL...	flow.mask.src	9	Standard
<input type="checkbox"/>	In IF	ingressInterface	flow.ifidx.in	10	Standard
<input type="checkbox"/>	Dst Port	destinationTrans...	flow.port.dst	11	Standard
<input type="checkbox"/>	Dst IP Addr	destinationIPv4Ad...	flow.ip.dst	12	Standard

**Metrics**

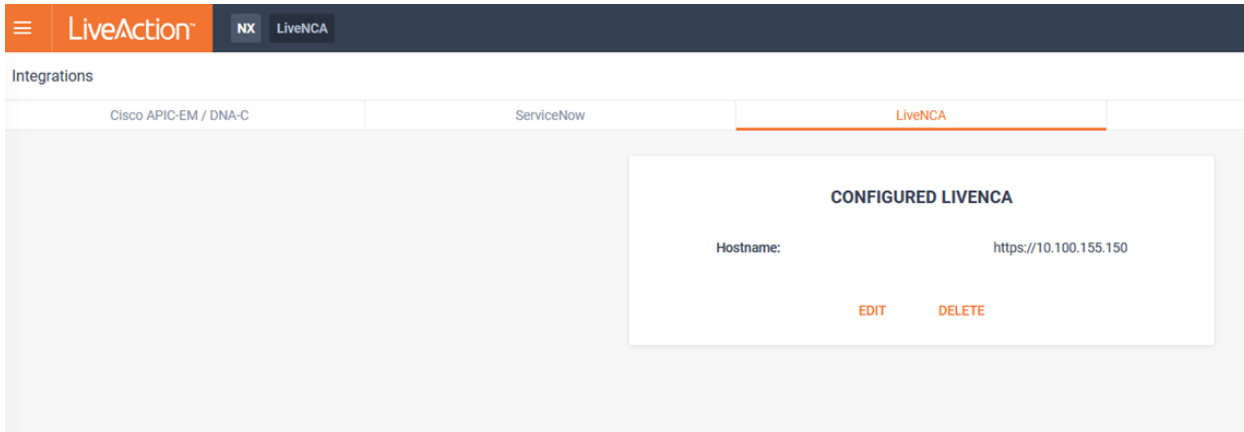
Selected	Name	Field Name	Field ID	PEN
<input type="checkbox"/>	In Bytes	octetDeltaCount	1	Standard
<input type="checkbox"/>	In Packets	packetDeltaCount	2	Standard
<input type="checkbox"/>	Out Bytes	postOctetDeltaCount	23	Standard
<input type="checkbox"/>	Out Packets	postPacketDeltaCount	24	Standard
<input type="checkbox"/>	Min Packet Len	minimumIpTotalLength	25	Standard
<input type="checkbox"/>	Max Packet Len	maximumIpTotalLength	26	Standard
<input type="checkbox"/>	Total Bytes Exported	exportedOctetTotalCo...	40	Standard
<input type="checkbox"/>	Total Packets Exported	exportedMessageTot...	41	Standard

**Preview**

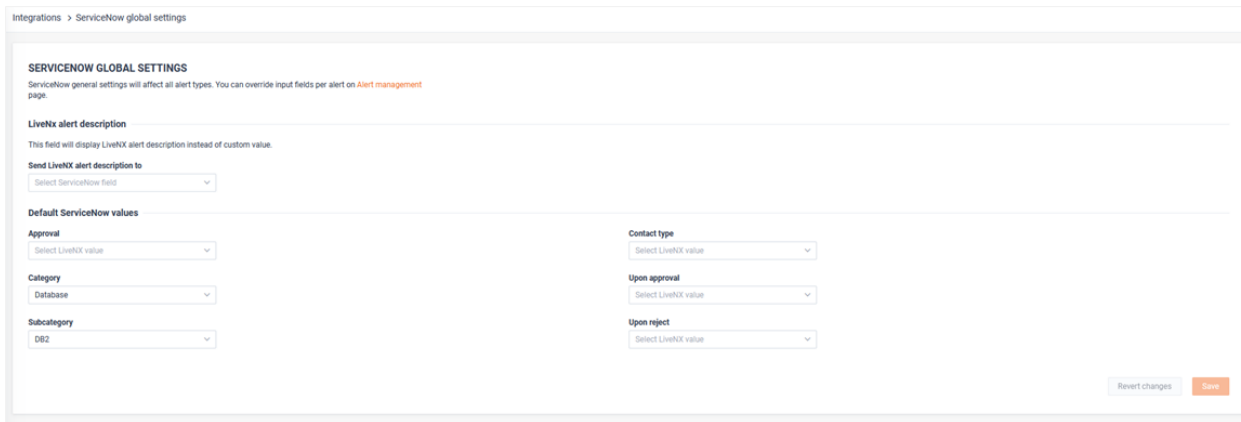
Rearrange by dragging the headings below.

Create Cancel

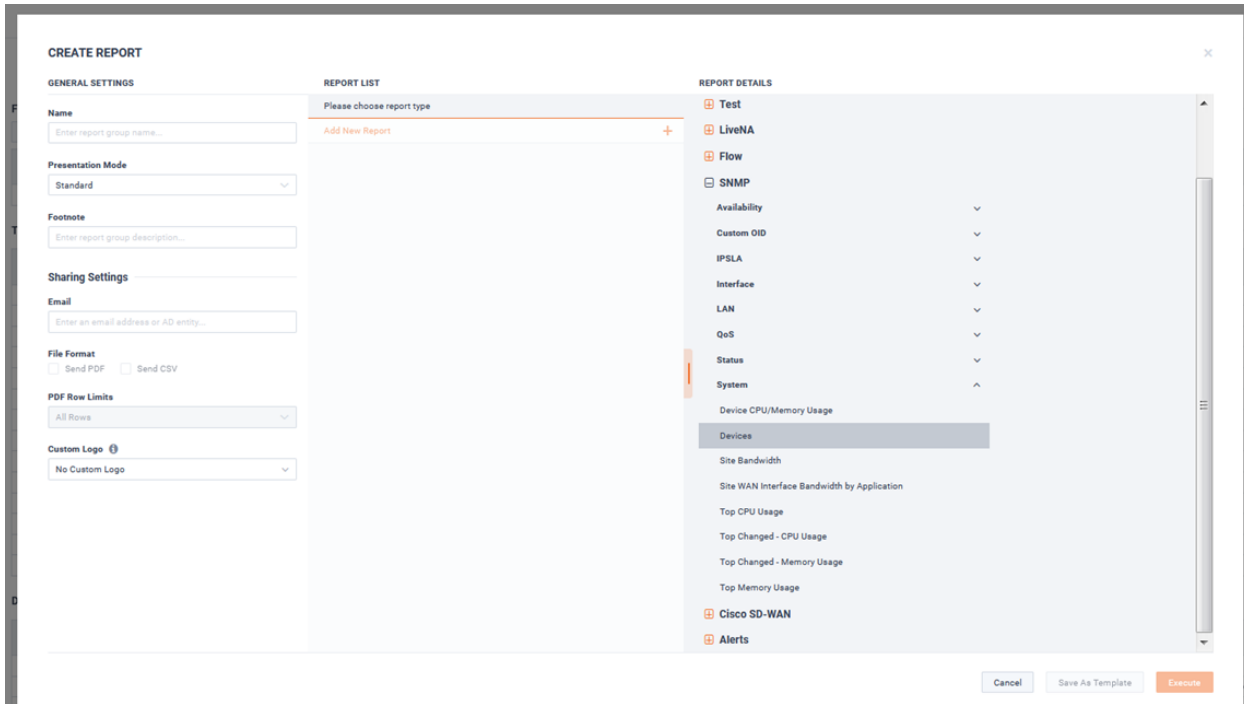
- Added option to cross-launch to LiveNCAs.



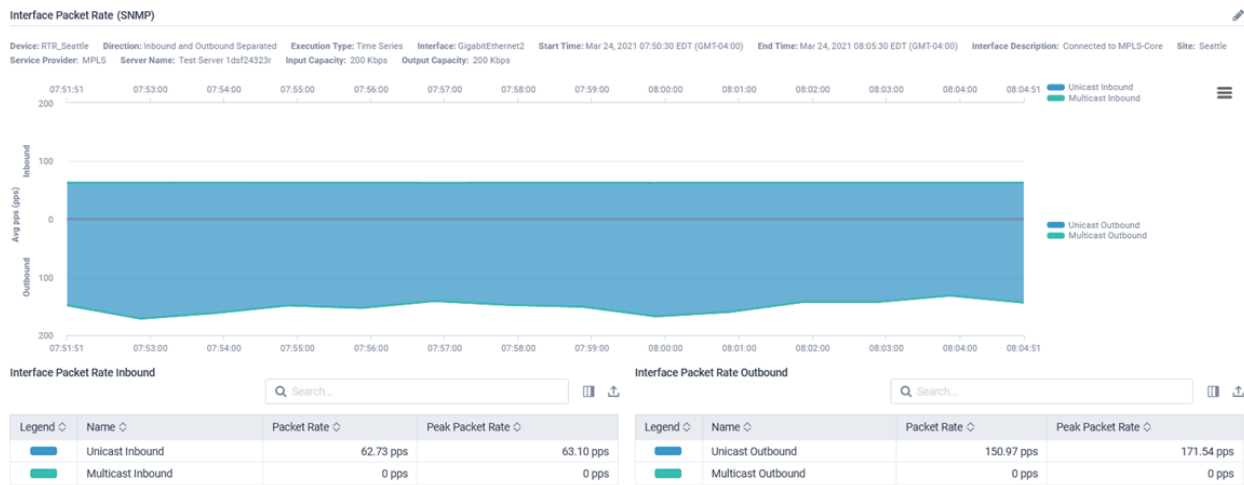
- ServiceNow Integration - Added option to redirect description field for Event integration.



- Added ability to schedule the SNMP > Device report.



- Added Interface Packet Rate (SNMP) report.



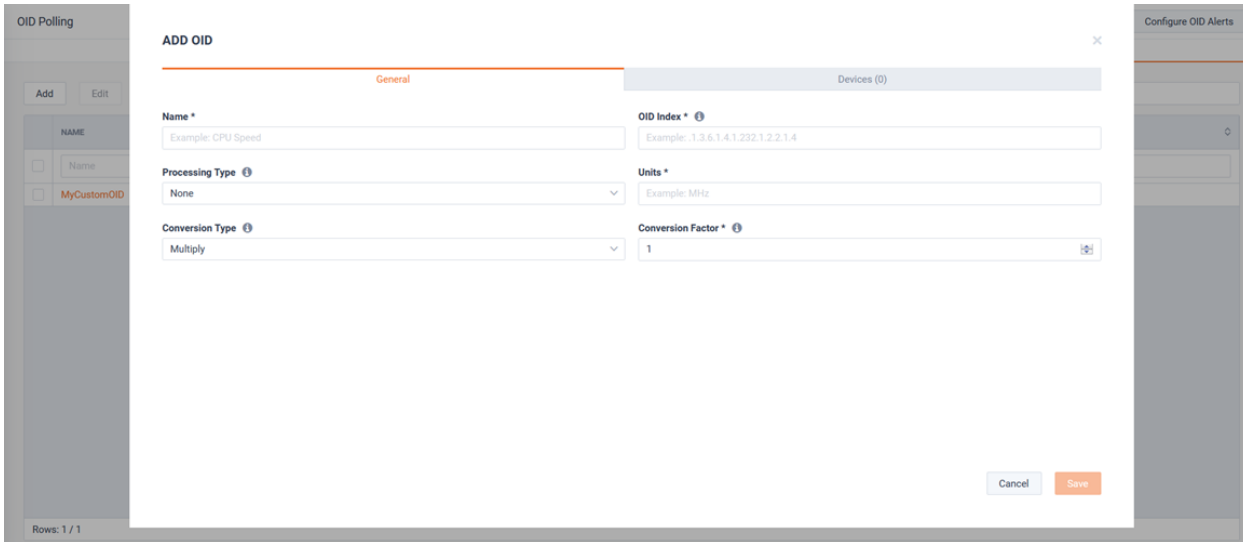
- Updated Cisco SD-WAN Class Path Change alert to support multi-thresholds and the following new filters:
  - Source Site
  - Destination Site
  - SLA Class

The screenshot shows the 'Alert Management' interface with a modal window for 'Cisco SD-WAN SLA Class Path Change'. On the left, a table lists various alert types. The modal window is divided into 'LIST OF INSTANCES' and 'INSTANCE DETAILS'. The 'INSTANCE DETAILS' section includes 'General Settings' with fields for Instance Name (Beijing), Time Window (All Hours), Severity (Critical), and Alert Source (Source Site: Beijing, SLA Class: VOICE\_VIDEO). It also features a 'Thresholds' section with a 'Time to Trigger' set to 2 minutes and 'Sharings' options (Default Configuration selected).

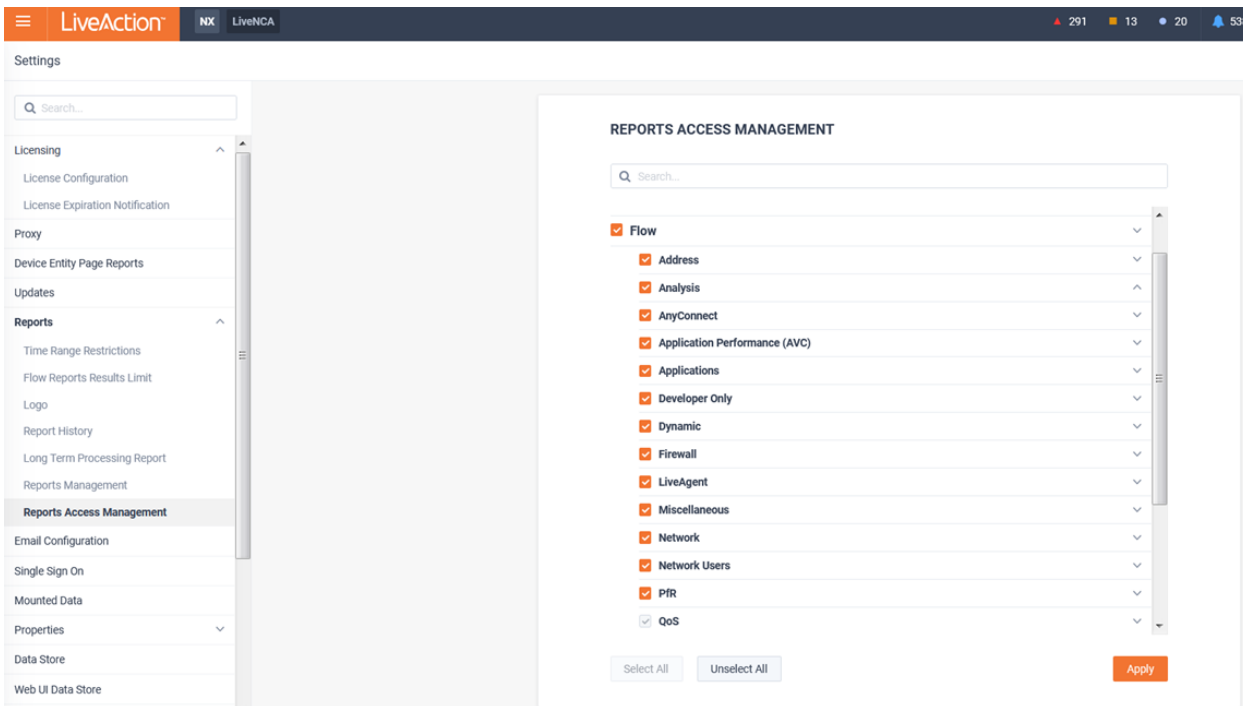
- Added new multi-threshold, multi-instance Cisco SDWAN Alerts for Jitter, Loss, and Delay of BFD data.

The screenshot shows the 'Alert Management' interface with a modal window for 'Cisco SD-WAN Performance - Jitter Value'. The 'INSTANCE DETAILS' section includes 'General Settings' with Instance Name (Default Instance) and Alert Source (Enter Filter Request Here). The 'Thresholds' section is expanded to show three levels: CRITICAL (Jitter >= 20 ms), WARNING (Jitter >= 10 ms), and INFO (Jitter >= 5 ms). It also includes 'Time to Trigger' (15 min) and 'Automatic Resolution Time' (5 min).

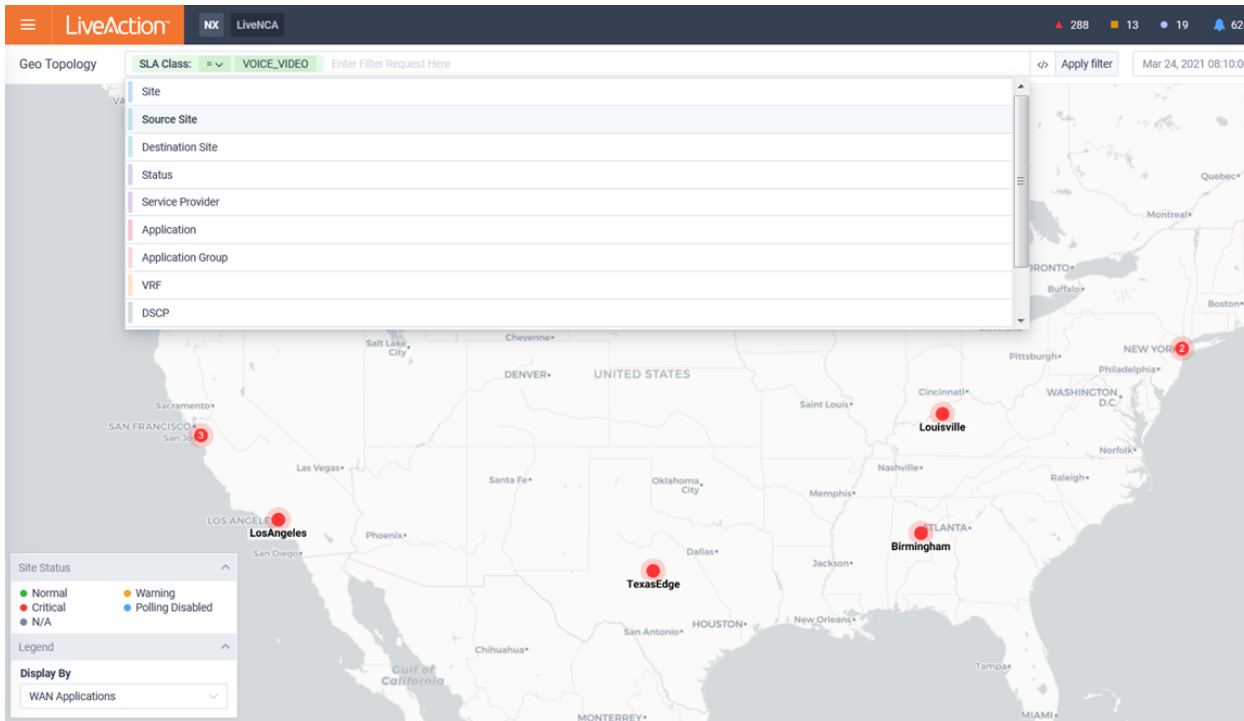
- Added support for Custom OID polling for Numeric Octet Strings.



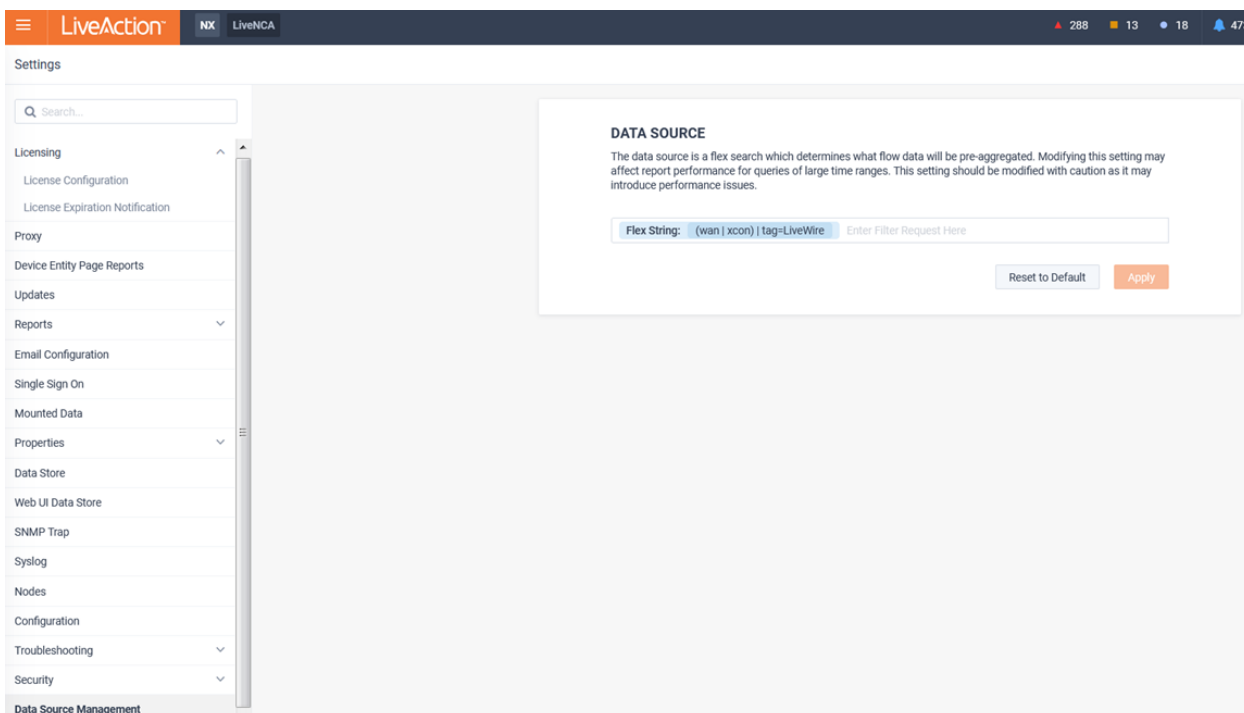
- Added ability to limit reports available to non-Admin users.



- Added additional Filters to Geo Topology for SDWAN tunnels:
  - Source Site
  - Destination Site
  - SLA Class



- Ported Flow Data Source to Operations Dashboard (WebUI).



- Updated Custom OID Polling device management.

### EDIT OID ✕

General
Devices (2)

All devices will be polled for this OID ?

**Note:** At least one device is required. Make sure that the current OID is configured for all selected devices.

	DEVICE	SITE	IP ADDRESS	VENDOR	MODEL	TAGS	DESCRIPTION
<input type="checkbox"/>	Device	Site	IP Address	Vendor	Model	Tags	Description
<input checked="" type="checkbox"/>	RTR_Seattle	Seattle	10.100.51.2	Cisco	ciscoCSR1000v		Cisco IOS Software [Den...
<input type="checkbox"/>	MPLS-CORE	SanJose	10.100.51.33	Cisco	ciscoCSR1000v		Cisco IOS Software, CSR...
<input type="checkbox"/>	RTR_Austin	Site 5	10.100.51.6	Cisco	ciscoCSR1000v		Cisco IOS Software [Den...
<input type="checkbox"/>	TexasEdge	TexasEdge	10.1.2.212	Viptela	vedge-cloud		Viptela SNMP agent
<input type="checkbox"/>	HNL-CSRK-1	Palo Alto	10.1.40.226	Cisco	ciscoCSR1000v		Cisco IOS Software, CSR...
<input type="checkbox"/>	IWAN-DC-MC	Site 5	10.100.51.30	Cisco	ciscoCSR1000v	iwan	Cisco IOS Software, CSR...
<input type="checkbox"/>	RTR-DC-MPLS	New York - DC	10.100.51.4	Cisco	ciscoCSR1000v		Cisco IOS Software [Den...
<input type="checkbox"/>	HUB2_234	Palo Alto	10.1.40.234	Cisco	ciscoCSR1000v		Cisco IOS Software, CSR...
<input checked="" type="checkbox"/>	RTR_Louisville	Louisville	10.100.51.10	Cisco	ciscoCSR1000v		Cisco IOS Software [Den...
<input type="checkbox"/>	LondonEdge	LondonEdge	10.1.2.210	Viptela	vedge-cloud		Viptela SNMP agent

Rows: 24 / 24 Selected: 2

Cancel Save

- Updated Custom OID Alerts to support multiple multi-thresholds and multi-instances.

#### Alert Management

LiveNX Alerts

Enable  Disable

ALERT TYPE	CATEGORY
<input type="checkbox"/> Alert Type	All
<input type="checkbox"/> Application Performance - App Delay	Application
<input type="checkbox"/> Application Performance - Network Delay	Application
<input type="checkbox"/> BGP Peer Connection Change	Network
<input type="checkbox"/> Cisco IWAN Path Change	Network
<input type="checkbox"/> Cisco IWAN Threshold Crossing	Network
<input type="checkbox"/> Cisco SD-WAN Performance - Jitter Value	Network
<input type="checkbox"/> Cisco SD-WAN Performance - Network Delay	Network
<input type="checkbox"/> Cisco SD-WAN Performance - Packet Loss	Network
<input type="checkbox"/> Cisco SD-WAN SLA Class Path Change	Network
<input type="checkbox"/> Critical Traffic Response Time	Application
<input type="checkbox"/> Custom OID - stuff	Device, Interface
<input type="checkbox"/> Device CPU Utilization	Device, Interface
<input type="checkbox"/> Device Flow Stop	Device, Interface
<input type="checkbox"/> Device Memory Utilization	Device, Interface
<input type="checkbox"/> Device Reachability	Device, Interface
<input type="checkbox"/> Fan Tray Operational State	Device, Interface
<input type="checkbox"/> High WAN Interface Utilization	Device, Interface
<input type="checkbox"/> HSRP Standby State	Network

Rows: 43 / 43

#### Custom OID - stuff ✕

LIST OF INSTANCES ?
ADD NEW INSTANCE
INSTANCE DETAILS

Default threshold Enabled

##### General Settings

Instance Name:  Time Window:

Severity:

Alert Source:

##### Thresholds

Time to Trigger:  min

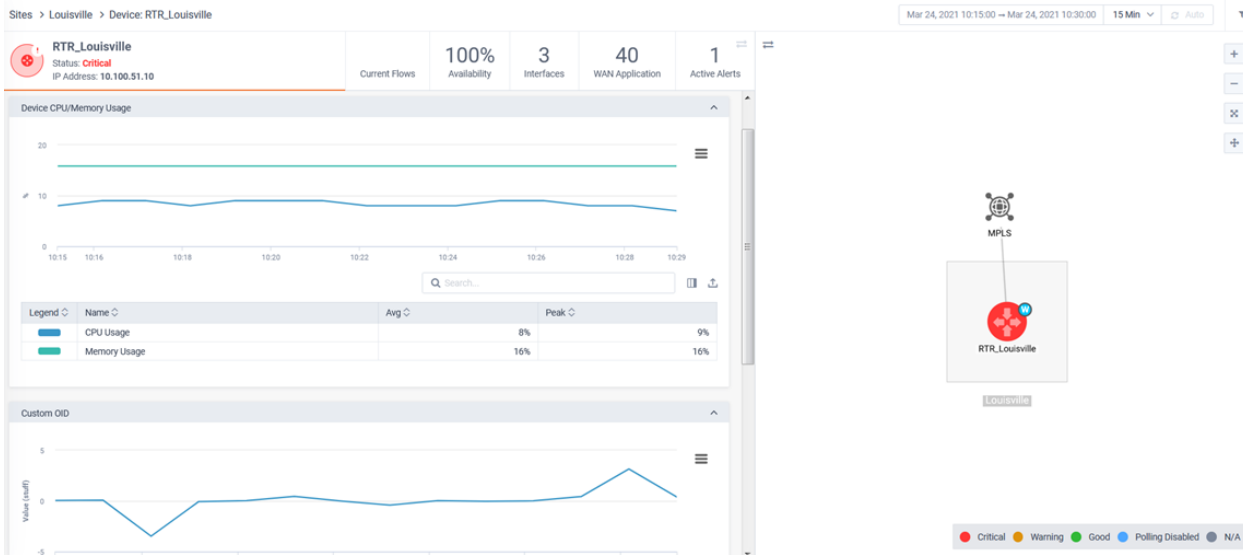
Value:  stuff

##### Sharings

Email

Cancel Save

- Added ability to add Custom OID Reports to Device page.



- Dynamic reports that are used as dashboard widgets can now be auto-aggregated for increased performance.



- Added pre-built Custom OID use cases for monitoring:
  - Ceqfp Throughput
  - HSRP
  - VRRP

OID Polling Configure OID Alerts

Pre-Configured Custom

TECHNOLOGY	OIDs	DEVICES
Technology	OIDs	Devices
CEQFP	ceqfpThroughputLevel	
HSRP	chHsrpGrpVirtualIpAddr, chHsrpGrpActiveRouter, chHsrpGrpStandbyRouter, chHsrpGrpStandbyState	
VRRP	vrrpOperVrid, vrrpOperVirtualMacAddr, vrrpOperState, vrrpOperMasterIpAddr, vrrpOperPrimaryIpAddr	

Rows: 3 / 3

- SNMP monitored devices will now automatically track the following metrics:
  - Power supply status
  - Fan tray status
  - Card status

Power Supply State Alert Event | Power Supply Operational Status (SNMP)

SIM-C1900-172-18-3-222

Device: SIM-C1900-172-18-3-222 Execution Type: Time Series Start Time: Mar 04, 2021 10:00:07 HST (GMT-10:00) End Time: Mar 04, 2021 10:59:07 HST (GMT-10:00) Server Name: Aaron Fujimori's Server Biz Interval: 1 minute

Power Supply	Last State
Power Supply 1	3