

# THE NEW STANDARD IN FUTURE-FOCUSED NETWORK MANAGEMENT

Build your best network with Momentum Navigator SD-WAN. Powered by Juniper Networks, Momentum Navigator SD-WAN supports a full range of uplink combinations, providing a scalable solution for any network architecture.

## Simplified Hardware

Momentum Navigator SD-WAN runs on universal CPE hardware, enabling high-speed networking and SDN/ NFV orchestration supporting multi-WAN fiber, carrier ethernet, and 4G/ LTE uplinks.

## Tunnel-Free SD-WAN = Big Savings On Bandwidth

Connect multiple failover sites across multiple networks without the use of IPSec tunnels, and cut bandwidth costs in half with Juniper's proprietary secure vector routing.

## Best In Class Features With Ironclad Security

Momentum Navigator SD-WAN can help you build your Zero-Trust network. Additional SD-WAN features include: Adaptive encryption, App ID for Monitoring, Classification and Prioritization, SNAT/DNAT, NAT Pools, and Multi-path Routing.

## Go Wireless

Optional support for a 4G/LTE uplink provides peace of mind as a path of last resort should your network's primary circuit go down. Momentum Telecom offers several LTE packages to fit your needs and use case.

## Upgrade Your Network's Voice Capabilities, Minus Truck Rolls

Momentum Navigator SD-WAN can be upgraded remotely to support our Momentum Navigator EDGE product for additional advanced QoS for all your voice applications, without the need for expensive truck rolls.



## DEVICE SPECIFICATIONS

- WAN Interfaces: 2+ (fiber or copper)
- LAN Interfaces: 1+ (fiber or copper)
- Carrier Uplink Details: Supports fiber and carrier Ethernet connections up to 1 GB (10/100/1000) with adaptive encryption.
- LTE Support: Single SIM 4G / LTE Radio

# NAVIGATOR

# SD-WAN Dashboard

128 Authority128 lab1-conductor

lab1

Dashboard

Custom Reports

Authority

- Conductor
- Routers
- Services
- Tenants
- Topology

Troubleshoot

- Ping
- Routing Tables

Administration

- Configuration
- Event History
- Plugins
- Users
- Entitlements

**Routers**

14 Operational Without Error

1 Attention Required

15 Total Configured

**Alarms**

0 CRITICAL

0 MAJOR

0 MINOR

**Config**

Last Modified: Nov 26, 2019 10:45:52 AM

Status: No pending config changes

**Health**

CPU

Memory

Disk

Router	Description	Location	Software Version	Provisioner
✓ AWS-Central	AWS Central	Montreal, CA	4.2.0-0.201911130259	● Running
✓ Azure-GW	Azure East	Boydton, VA	4.2.0-2	● Running
✓ lab1-analytics			4.2.0-2	● Running
✓ lab1-ashburn	Ashburn KVM	Ashburn, VA	4.2.0-0.201911130259	● Running
✓ lab1-atlanta HA	Atlanta HA	Atlanta, GA	4.2.0-2	● Running
✓ lab1-boston	Boston IDS	Boston, MA	4.2.0-0.201911161944	● Running
✓ lab1-chicago	Chicago NUC	Chicago, IL	4.2.0-2	● Running
✓ lab1-denver	Denver Fitlet mobile	Denver, CO	4.1.4-1	● Running
✓ lab1-minneapolis	ZTP KVM	Minneapolis, MN	4.2.0-2	● Running

## Node Analytics

Router: lab1-newyork

New York Data Center

Settings

<b>Bandwidth</b>	8.98 Mbps	<b>Session Count</b>	3.35k Sessions
<b>Session Arrivals</b>	105 Sessions/s	<b>Session Departures</b>	84 Sessions/s
<b>Nodes</b>	2	<b>Device Interfaces</b>	4
<b>Network Interfaces</b>	4		
<b>Location</b>	New York, NY		
<b>Software Version</b>	4.2.0 (Hover for more details)		

- Applications Seen >
- Top Sessions >
- Top Sources >
- Service Routes >
- Debug >
- Event History >
- Logs >

Node: node1

Bandwidth: 4.84 Mbps

Session Count: 2.23k Sessions

Session Arrivals: 70 Sessions/s

Session Departures: 56 Sessions/s

General CPU: Averaged over 5 cores 2%

Packet Processing CPU: Averaged over 7 cores 0%

Memory: Consumed by all processes 10.0/16.5 GB

Disk: Averaged over 1 partition 18.0/251.2 GB

Up Time: 11d 03h 31m 14s

Asset Status: RUNNING

Node: node2

Bandwidth: 4.14 Mbps

Session Count: 1.12k Sessions

Session Arrivals: 35 Sessions/s

Session Departures: 28 Sessions/s

General CPU: Averaged over 5 cores 1%

Packet Processing CPU: Averaged over 7 cores 0%

Memory: Consumed by all processes 9.9/16.5 GB

Disk: Averaged over 1 partition 13.8/251.2 GB

Up Time: 11d 03h 27m 02s

Asset Status: RUNNING

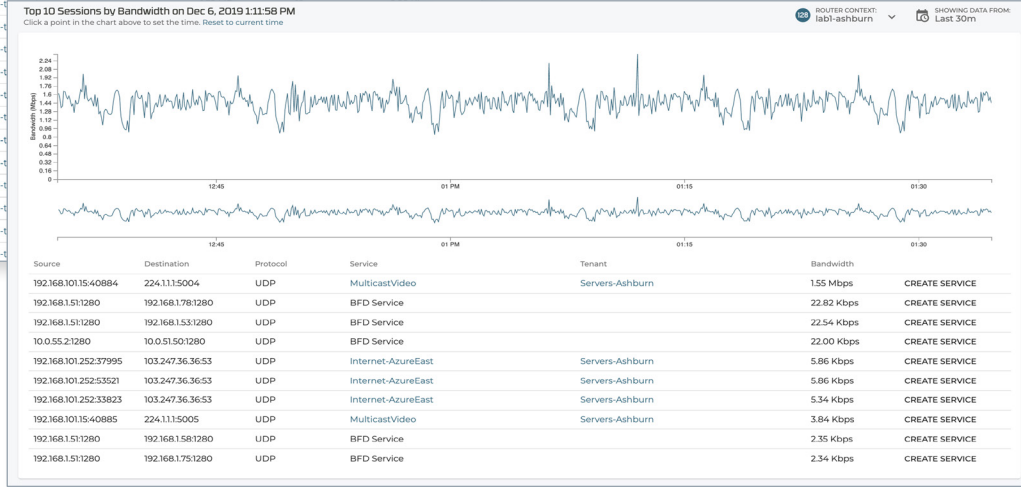
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2

# Traffic Monitoring

**Top Sources on lab1-analytics**  
Displaying the top 100 sources on 1:32:50 PM.

Source IP	Node	Tenant	Total Data	Session Count	Bandwidth
192.168.1.30	lab1-analytics	analytics-transmit	34.00 MB	251	82.64 Kbps
192.168.1.163	lab1-analytics	analytics-transmit	19.82 MB	458	6.74 Kbps
192.168.1.52	lab1-analytics	analytics-transmit	9.99 MB	958	106.55 Kbps
192.168.1.14	lab1-analytics	analytics-transmit	4.13 MB	644	0.00 bps
192.168.1.51	lab1-analytics	analytics-transmit	2.61 MB	1382	9.43 Kbps
192.168.1.75	lab1-analytics	analytics-transmit	2.38 MB	9	4.57 Kbps
35.183.227.128	lab1-analytics	analytics-transmit	2.32 MB	2	4.59 Kbps
192.168.1.78	lab1-analytics	analytics-t			
40.143.113.102	lab1-analytics	analytics-t			
192.168.1.58	lab1-analytics	analytics-t			
192.168.1.77	lab1-analytics	analytics-t			
192.168.1.74	lab1-analytics	analytics-t			
192.168.1.53	lab1-analytics	analytics-t			
192.168.1.254	lab1-analytics	analytics-t			
192.168.1.43	lab1-analytics	analytics-t			
192.168.1.68	lab1-analytics	analytics-t			
192.168.1.49	lab1-analytics	analytics-t			
10.40.2.1	lab1-analytics	analytics-t			
10.40.3.1	lab1-analytics	analytics-t			



# Application ID

**Applications Seen on lab1-ashburn**  
Displaying all 63 applications. Filter for more precise results

Application
*att.com
*bugsnag.com
*crashlytics.com
*events.data.microsoft.com
*google.com
*googleapis.com
*graph.instagram.com
*i.instagram.com
*imap.mail.yahoo.com
*iicdn.com
*i.apple.com
*lyft.com
*onelink.me
*push.samsungosp.com
*sfx.ms
*smoot.apple.com
*sonos.com
*urbansairship.com

