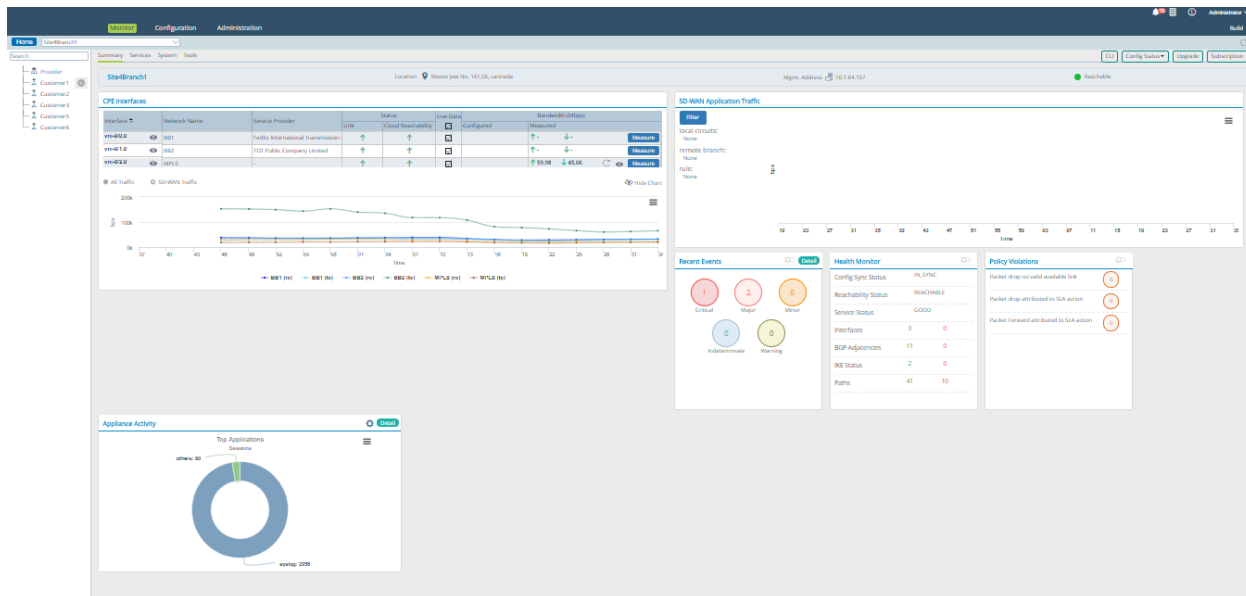


## Monitor Devices for Summary Information

 For supported software information, click [here](#).

To monitor a Versa Operating System™ (VOS™) device:

1. In Director view:
  - a. Select the Configuration tab in the top menu bar.
  - b. Select Devices > Devices in the horizontal menu bar.
  - c. Select a device in the main pane. The view changes to Appliance view.
2. Select the Monitor tab in the top menu bar.
3. Select the provider organization in the left menu bar.



The Summary dashboard displays the following information:

- Device information—Device name, location, and access status.
- CPE Interfaces—Traffic across interfaces.
- SD-WAN Application Traffic—Real-time traffic monitoring of ingress/egress traffic over multiple ports.
- Recent Events—Alarms generated on the device.

- Health Monitor—Summary of the network connectivity and device status of the associated Director node.
- Policy Violations—Traffic violations that have occurred for a device in the organization.
- Application Activity—Top 10 most utilized applications on the device. You can display the remaining applications in the detailed view.

## Device Information

Site4Branch1

Location

Moose Jaw No. 161, SK, Canada

Mgmt. Address

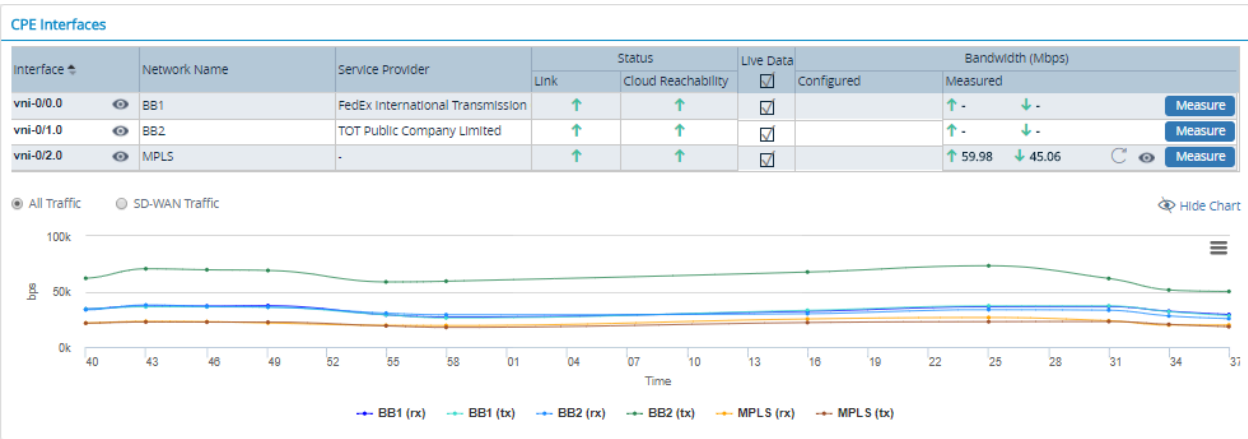
10.1.64.107

Reachable

The top bar displays the device name, location, and status.

## CPE Interfaces

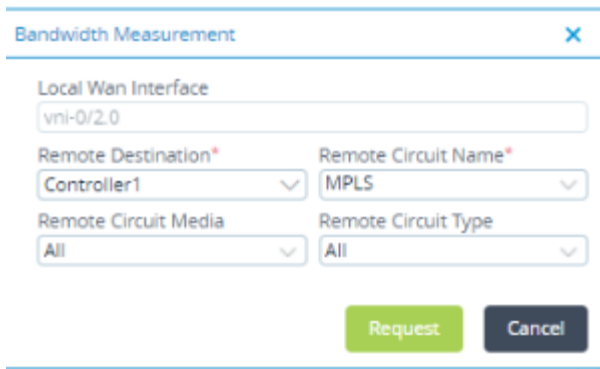
The CPE Interfaces pane displays a live graph that shows the live traffic bandwidth on multiple ports either for all traffic or only SD-WAN traffic. Data traffic is fetched from the device every two seconds.



The dashboard displays:

- Interface name
- Network name
- Service provider
- Status of the link and cloud reachability.
- Live data indicator—When enabled, live traffic is show
- Bandwidth—Configured and measured, in Mbps

To measure bandwidth:



**Bandwidth Measurement**

Local Wan Interface  
vni-0/2.0

Remote Destination\*  
Controller1


Remote Circuit Name\*  
MPLS

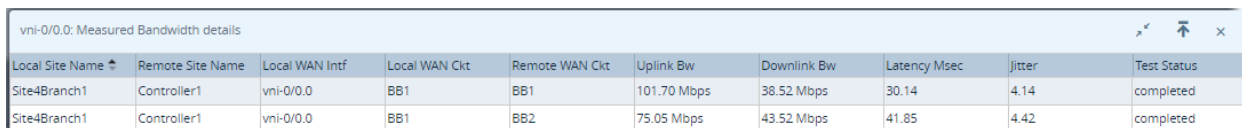
Remote Circuit Media  
All

Remote Circuit Type  
All


Request Cancel

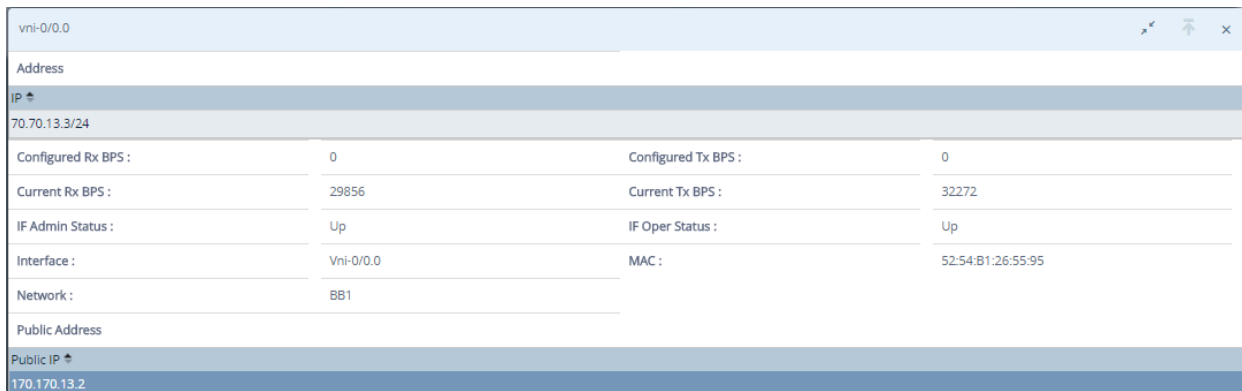
1. Click Measure (on the CPE Interfaces screen) to view the uplink and downlink bandwidth.
2. Select the remote destination.
3. Select the remote circuit.
4. Click Request.

To display bandwidth details, click the  Eye icon that is before the Measure button on the CPE Interfaces screen:



Local Site Name	Remote Site Name	Local WAN Intf	Local WAN Ckt	Remote WAN Ckt	Uplink Bw	Downlink Bw	Latency Msec	Jitter	Test Status
Site4Branch1	Controller1	vni-0/0.0	BB1	BB1	101.70 Mbps	38.52 Mbps	30.14	4.14	completed
Site4Branch1	Controller1	vni-0/0.0	BB1	BB2	75.05 Mbps	43.52 Mbps	41.85	4.42	completed

To display interface details, click the  Eye icon that is next to the interface name on the CPE Interfaces screen:



**vni-0/0.0**

Address

IP

70.70.13.3/24

Configured Rx BPS :	0	Configured Tx BPS :	0
Current Rx BPS :	29856	Current Tx BPS :	32272
IF Admin Status :	Up	IF Oper Status :	Up
Interface :	Vni-0/0.0	MAC :	52:54:01:26:55:95
Network :	BB1		

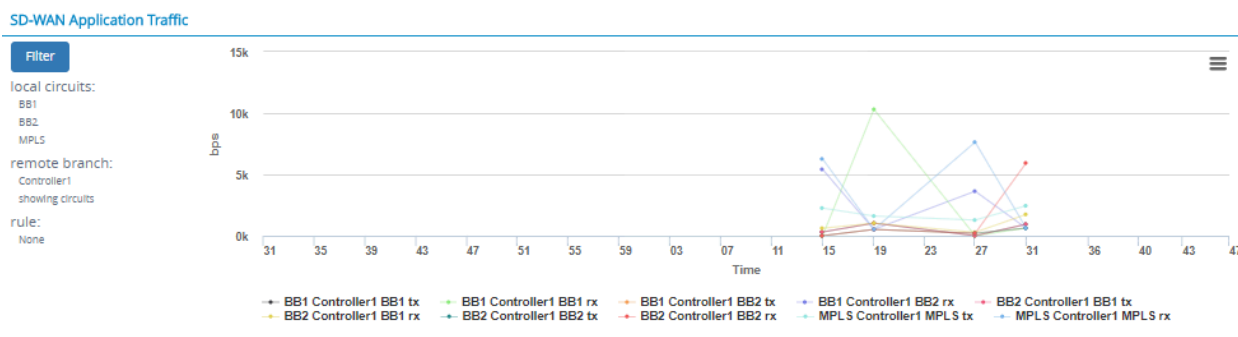
Public Address

Public IP

170.170.13.2

## SD-WAN Application Traffic

Monitoring live application and rule traffic allows you to display any priority application traffic terminating on any access circuits at a site. It also allows you to select the remote branch or remote circuits for the rule or application. This pane displays the SD-WAN application traffic (uplink and downlink) for the selected remote branch, circuits, and rule.



To filter the SD-WAN application traffic, click the Filter button. The SD-WAN Application Traffic panel displays.

The SD-WAN Application Traffic filter panel includes the following fields:

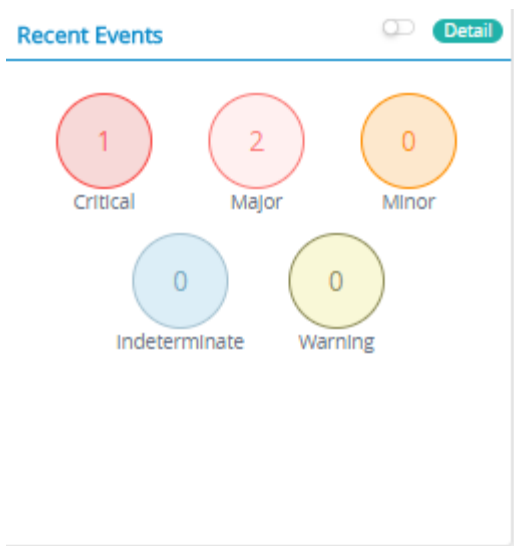
- Local Circuits:** BB1, BB2, MPLS
- Remote Branch:** Site2Branch1
- Rules:** rule one
- Buttons:** OK, cancel

The panel also features checkboxes for 'tx' and 'rx' for each circuit (BB1, BB2, MPLS) to filter the traffic.

1. Click tx and rx of the required circuits to view the incoming and outgoing traffic.
2. Select a remote branch from the Remote Branch list.
3. Click Show Remote Circuits to view the remote circuits.
4. Select a rule from the Rules list. Rules determine the type of traffic allowed between branches for a given application, such as FTP and HTTP. There can be different rules for different applications.
5. Click OK.

## Recent Events

The Recent Events pane summarizes all alarms for a customer organizations and its devices, displaying alarms by severity levels—critical, major, minor, indeterminate, and warning.



Click the **Detail** button to view event details.

Device Name	Organization Name	Alarm Type	Handling State	Severity	Status Change Time	Alarm Text
843	System	task-execution-complete		minor	Fri, Jan 05 2018, 05:41	task-execution-completeUpgrade Appliance: Site4Bra...
Controller2	Provider	sdwan-branch-disconnect		major	Sun, Feb 04 2018, 15:21	Branch Spoke1 is connected
846	System	task-execution-complete		minor	Fri, Jan 05 2018, 05:55	task-execution-completeUpgrade Appliance: Site1Bra...
911	System	task-execution-complete		minor	Thu, Jan 11 2018, 02:58	task-execution-complete Device workflow deploymen...

Click the **Back** button to go back to the tile view.

Click a device name to display device-specific events.

Filter:  of severity: .....Select..... x

Name	Event Time	Received Time	Severity
task-execution-complete	Fri, Jan 05 2018, 00:11	Fri, Jan 05 2018, 00:11	minor

Click the Eye icon in the Handling State column on the Events screen to assign tasks. Alternatively, select the check box corresponding to a device record and click the Handle/Assign icon on the top right menu bar to assign tasks.

Alarm Handling

Handling Events ( 0 ) - Events not found

State	User	Assigned By	Description
No Records to Display			

Description\*  
Check status of alarms

Alarm State\*  
Investigation

Assignee  
Operator

Assign

To assign a task:

1. Enter the event description.
2. Select the alarm state:
  - Acknowledge
  - Close
  - Investigation
  - None
  - Observation
3. Select the Assignee (Operator or Administrator).
4. Click Submit.

---

## Health Monitor

The Health Monitor pane displays a summary of a device associated in the customer organization.

Health Monitor <span>⏻</span>		
Config Sync Status	IN_SYNC	
Reachability Status	REACHABLE	
Service Status	GOOD	
Interfaces	3	0
BGP Adjacencies	11	0
IKE Status	2	0
Paths	41	10

This screen automatically refreshes every 30 seconds. To disable auto-refresh, click Autorefresh.

This pane displays the following parameters:

- Configuration sync status—Number of VOS devices whose configurations are in sync with the Director node's configuration.
- Reachability status—Number of VOS devices reachable via ping or SSH from the Director node.
- Service status—Number of VOS devices whose services are running in a good state.
- Interfaces—Number of VOS device LAN and WAN interfaces whose status is up and down.
- BGP adjacencies—Number of BGP adjacencies in the established, connect, and idle state.
- IKE status—Number of IKE connections in the up and down state.
- Paths—Number of paths in the up and down state.

Click Interfaces to display the health status of each interface.

Site4Branch1: Interface Details <span>×</span>		
Name ↕	VRF	Operational Status
vni-0/0.0	BB1-Transport-VR	↑ up
vni-0/1.0	BB2-Transport-VR	↑ up
vni-0/2.0	MPLS-Transport-VR	↑ up

## Policy Violations

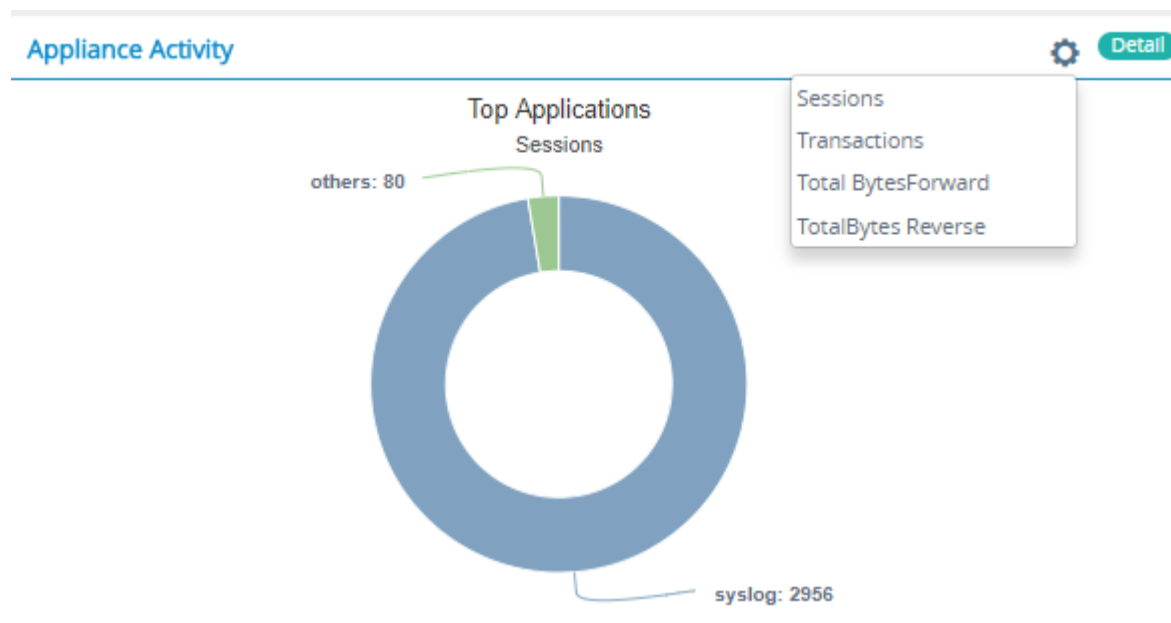
The Policy Violations pane displays the total number of packets that have violated a device policy.

Policy Violations <span>🔴</span>	
Packet drop no valid available link	0
Packet drop attributed to SLA action	0
Packet Forward attributed to SLA action	0

## Application Activity

The Application Activity pane provides a visual representation of the top 10 utilized applications on the device, selected based on the following parameters:

- Sessions
- Transactions
- Total Bytes Forward
- Total Bytes Reverse



Click the Settings icon and select a parameter. The graph refreshes to display real-time statistics for the applications.

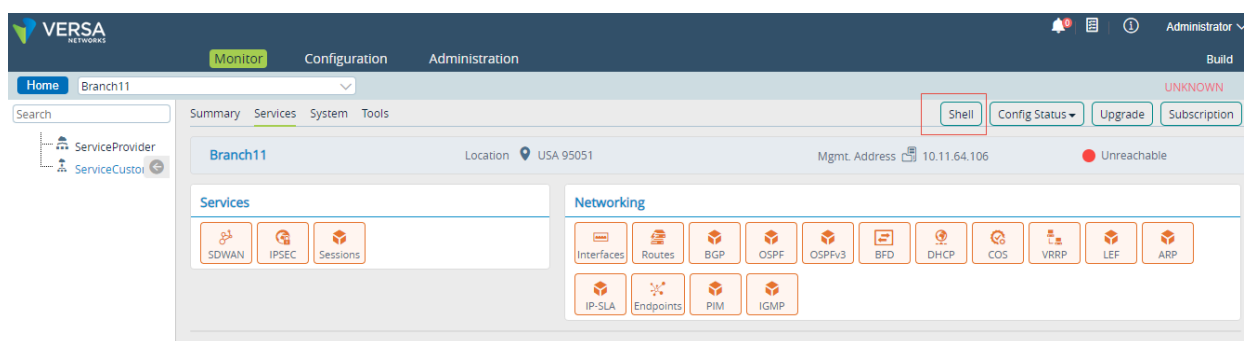
Click the Details button to view more information (number of sessions, transactions, packets forwarded, packets reversed, etc.) of each application.



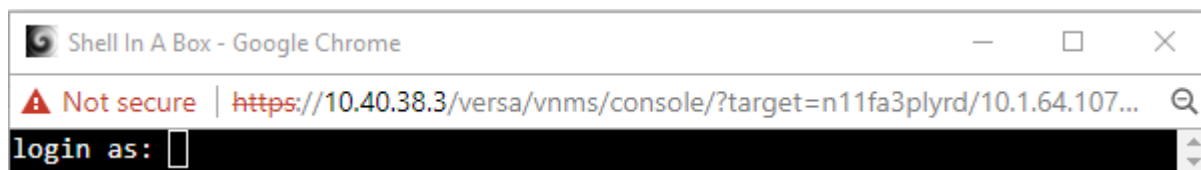
Application Details						
Name	Sessions	Transactions	Total Packets Forward	Total Packets Reverse	Total Bytes Forward	Total Bytes Reverse
UK	0	0	0	0	0	0
dns	58	58	58	0	4234	0
syslog	2541	2541	4550	0	589739	0
unknown	115	115	345	339	20716	61060
unknown_tcp	4	4	8	8	496	41200
unknown_udp	32	32	848	0	148248	0

## Shell

Click Shell to display a shell screen:

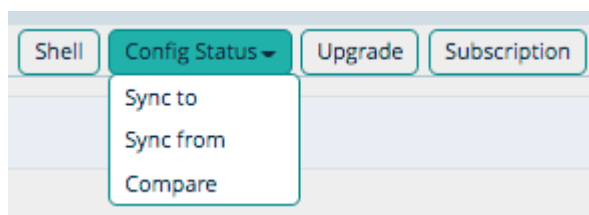


The shell screen displays:



## Configuration Status

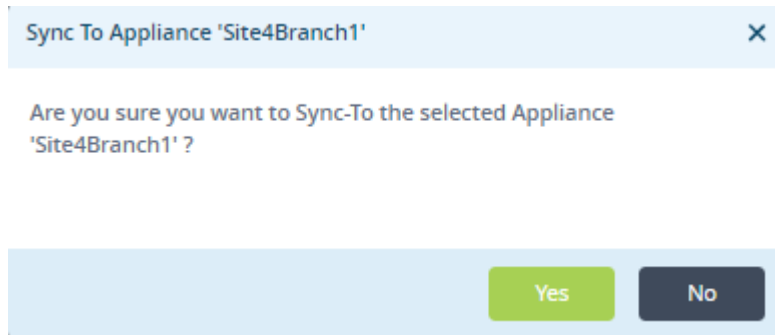
Click Configuration Status.



---

## Sync To

Click Config Status > Sync To to synchronize the actual device settings with the settings in the application.

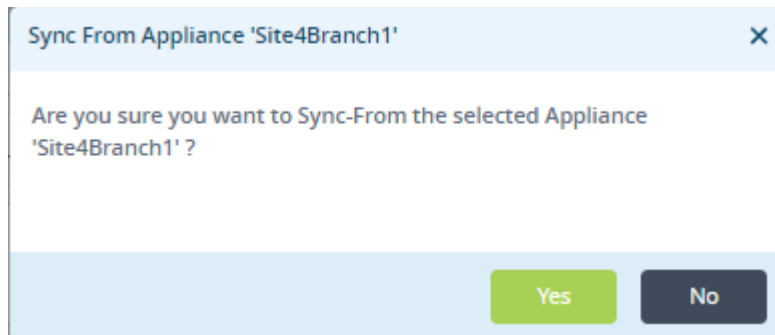


Click Yes to synchronize the settings.

---

## Sync From

Click Config Status > Sync From to derive the configuration settings from the device and synchronize it in the application.

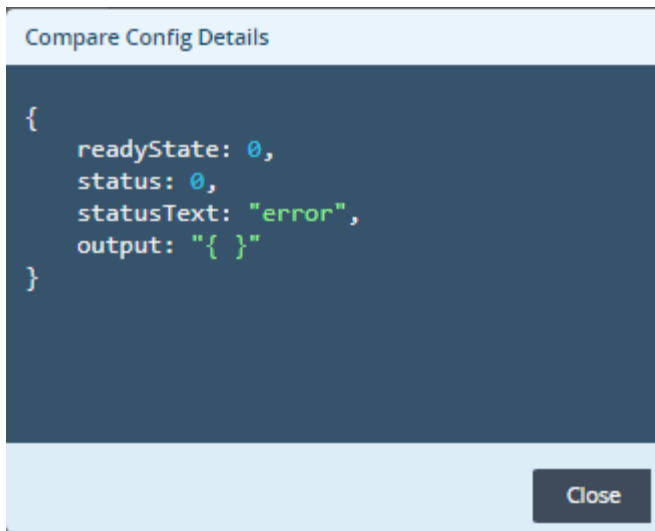


Click Yes.

---

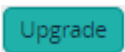
## Compare

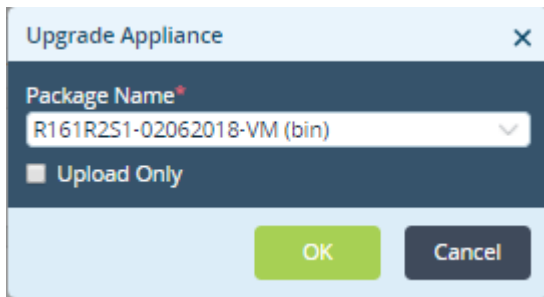
Click Config Status > Compare to compare the configuration settings of the device in the system with the actual device settings.



---

## Upgrade

Click the  Upgrade button to upgrade the device to a specific software release.

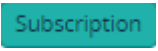


To upgrade a VOS device:

1. Select the release package name from the list.
2. Click Upload Only to upload the package, not upgrade the device.
3. Click OK.

---

## Subscription

Click the  Subscription button and select the type of subscription for the device:

Perform Subscription Action

Subscription Action\*
Upgrade

Solution Tier\*
Advanced SDWAN

Service Bandwidth
5 Gbps

Entitled Bandwidth\*
5 Gbps

Custom Parameters

Name*	Value*	
		+
No Records to Display		

State
Activated

☒ Analytics Enabled

OK
Cancel

To subscribe to a solution tier:

1. Select the type of subscription from the list.
2. Select the solution tier from the list.
3. Select the required service bandwidth from the list.
4. Enter custom parameters (name and value) for identification.
5. Select the Analytics Enabled check box to generate logs on the Analytics server.
6. Click OK.

## Supported Software Information

Releases 20.2 and later support all content described in this article.