



Mist 運用マニュアル - WAN Assurance - WAN Edge Insights 確認手順

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はじめに

- ❖ 本マニュアルは、『WAN Edge Insights 確認手順』について説明します
- ❖ 手順内容は 2025年1月 時点の Mist Cloud にて確認を実施しております
実際の画面と表示が異なる場合は以下のアップデート情報をご確認ください
<https://www.juniper.net/documentation/us/en/software/mist/product-updates/>
- ❖ 設定内容やパラメータは導入する環境や構成によって異なります
各種設定内容の詳細は下記リンクよりご確認ください
<https://www.juniper.net/documentation/product/us/en/mist/>
- ❖ 他にも多数の Mist 日本語マニュアルを「ソリューション＆テクニカル情報サイト」に掲載しております
<https://www.juniper.net/jp/ja/local/solution-technical-information/mist.html>
- ❖ **本資料の内容は資料作成時点におけるものであり事前の通告無しに内容を変更する場合があります**
また本資料に記載された構成や機能を提供することを条件として購入することはできません



- 運用ケース
 - WAN Edge の Insights を確認したい時



WAN Edge Insights の表示

- Monitor メニューより表示

Monitor > Service Level > Insight

- 個別 WAN Edge から表示

WAN Edges > WAN Edges > {WAN Edge}

WAN Edge Insights 確認手順

Monitor > Service Levels > Insights > WAN Edge Insights

[Monitor] から、[Service Levels] をクリック、[Insights] タブをクリック、プルダウンメニューから [WAN Edge] を選び、[Site] を選択し、Insights を確認したい [WAN Edge] をクリックします

The screenshot shows the Juniper Mist dashboard interface. The left sidebar contains navigation icons for Monitor, Marvis, Clients, Access Points, Switches, WAN Edges, Mist Edges, Location, Analytics, and Site. The main content area is titled 'sdwan-westford' and shows a graph of 'Total Bytes' over time. The 'Insights' tab is selected, and a dropdown menu is open, showing 'WAN Edge' as the selected option. The dropdown menu lists various sites, including 'sdwan_atlanta', 'sdwan_denver', 'sdwan_newyork_hub', and 'sdwan_onboarding_site'.

Site	Any Site
Access Point	
Client	Search by name or MAC
Switch	
WAN Edge	020001444b9a 02:00:01:44:4b:9a
Wired Client	LD_CUP_SRX_11
Mist Edge	i-0cf6aab9e80d6ea05
Cellular Edge	sdwan-atlanta
	sdwan-denver
	sdwan-phoenix
	sdwan-sanfrancisco
	sdwan-westford
	wan_srx_sunnyvale
	wan_srx_tor_hub1-srx1
	wan-teleworker

Any Site 選択時は、Org 配下の全 WAN Edge が表示されます

Org 配下のWAN Edge を選択

Site	sdwan-westford
Access Point	
Client	Search by name or MAC
Switch	
WAN Edge	sdwan-westford 90:ec:77:25:9c:ce
Wired Client	
Mist Edge	
Cellular Edge	

選択したサイト

サイト配下のWAN Edge を選択

WAN Edge Insights 確認手順

WAN Edges > WAN Edges > WAN Edge Insights

[WAN Edges] から、[WAN Edges] をクリック、プルダウンメニューから [Site] を選択、[List] をクリックし、[WAN Edge Insights] をクリックします

The screenshot shows the Juniper Mist WAN Assurance interface. The left sidebar contains navigation links: Monitor, Marvis™, Clients, Access Points, Switches, WAN Edges (highlighted with a red box), Mist Edges, and Location. The main content area is titled 'WAN Edges' and includes a dropdown menu for 'site DC' (highlighted with a red box), buttons for 'List' and 'Topology' (both highlighted with red boxes), and buttons for 'Inventory' and 'Claim WAN Edges'. Below these are three status bars: '0% Config Success' (red), '100% Version Compliance' (green), and '100% WAN Edge Uptime' (green). A table lists WAN Edge devices with columns: Name, Status, MAC, Model, Version, Topology, and Insights. The first row shows a device named 'DC' with status 'Connected', model 'SSR120', and version '6.2.3-14.r2'. The 'Insights' column for this device is highlighted with a red box and labeled 'WAN Edge Insights'. A 'Table Settings' dialog box is open, showing a list of columns to be displayed. The 'Insights' checkbox is checked and highlighted with a red box. A blue dashed line connects the 'WAN Edge Insights' link in the table to the 'Insights' checkbox in the dialog box. A blue speech bubble points to the 'Insights' checkbox with the text: '[Insights] をチェックすると、項目が表示されます'.

Table Settings

Column	Selected
1. Name	☒
2. Status	☒
3. MAC	☒
4. IP Address	☐
5. Model	☒
6. Version	☒
7. Topology	☒
8. Serial Number	☐
9. Location	☐
10. Last Seen	☐
11. Uptime	☐
12. Managed	☐
13. Insights	☒
14. Recovery Snapshot	☐
15. Backup Partition	☐

WAN Edge Insights 確認手順

WAN Edges > WAN Edges > {WAN Edge} > Properties > WAN Edge Insights

[WAN Edges] から、[WAN Edges] をクリック、プルダウンメニューから [Site] を選択、[List] をクリック、[WAN Edge] をクリック、WAN Edge 詳細ページの [Properties] の [WAN Edge Insights] をクリックします

The screenshot shows the Juniper Mist WAN Assurance interface. The left sidebar contains navigation links: Monitor, Marvis™, Clients, Access Points, Switches, WAN Edges (highlighted with a red box), Mist Edges, and Location. The main content area is titled 'WAN Edges' and includes a dropdown menu for 'site DC' (highlighted with a red box) and a 'List' button (highlighted with a red box). Below this, there are three status bars: '0% Config Success' (red), '100% Version Compliance' (green), and '100% WAN Edge Uptime' (green). A table lists WAN Edges with columns: Name, Status, MAC, Model, Version, Topology, and Insights. The first row, 'DC' (Status: Connected, Model: SSR120, Version: 6.2.3-14.r2, Topology: Hub), is highlighted with a red box, and its 'WAN Edge Insights' link is also highlighted. A callout box points to the 'WAN Edge Insights' link in the table, stating: 'WAN Edge 詳細ページの PROPERTIES からも遷移できます'. A separate 'PROPERTIES' panel is shown, with the 'INSIGHTS' section containing a link to 'WAN Edge Insights' (highlighted with a red box). Other properties listed include LOCATION (not on floorplan), MAC ADDRESS, MODEL (SSR120), VERSION (6.0.7-8), and HARDWARE MODEL (Juniper Networks Inc. - 650-142265 (SSR120-AA)).

Name	Status	MAC	Model	Version	Topology	Insights
DC	Connected		SSR120	6.2.3-14.r2	Hub	WAN Edge Insights

PROPERTIES	
INSIGHTS	WAN Edge Insights
LOCATION	not on floorplan
MAC ADDRESS	
MODEL	SSR120
VERSION	6.0.7-8
HARDWARE MODEL	Juniper Networks Inc. - 650-142265 (SSR120-AA)

An abstract graphic on the left side of the slide, composed of numerous small green and yellow dots and lines that form a complex, flowing, and somewhat circular shape, resembling a stylized network or a particle simulation. The colors transition from a bright yellow-green in the center to a deep green towards the edges.

WAN Edge Insights

WAN Edge Insights 確認手順

Date / Range

表示期間の変更が可能です

表示期間を変更できます

Last 60 Min	Today
Last 24 Hr	Yesterday
Last 7 Days	This Week
Custom Date	Custom Range

NOTE

表示期間を変更すると、Insights の各情報が当該期間の情報に変更されます(Current Value 除く [p.17](#))

The screenshot shows the 'Monitor' interface with the 'Insights' tab selected. The filters are set to 'wan edge DC' and 'Today'. The main area displays a floor plan with a green circle highlighting a specific location. Callouts identify the 'WAN Edge 名' (WAN Edge Name) as 'DC', the 'サイト名' (Site Name) as 'DC - 45F', and the 'フロアプラン名' (Floor Plan Name) as 'DC - 45F'. A note indicates that the background is a floor plan diagram (設定時).

Monitor

Wireless Wired WAN Insights

wan edge DC Today

WAN Edge 名

DC

DC - 45F

サイト名

フロアプラン名

背景はフロアプラン図 (設定時)

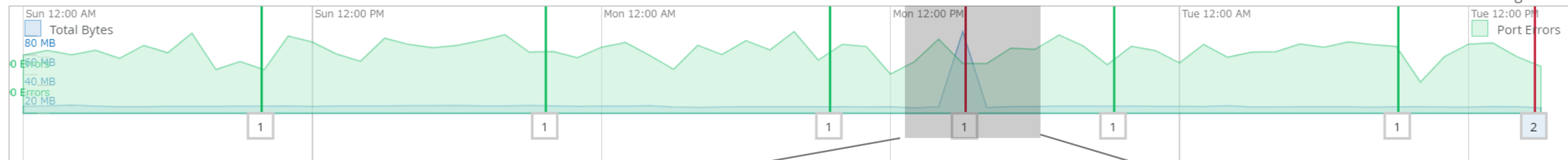
WAN Edge Insights 確認手順

Timeline

通信量の増減やイベント件数、Port Errors 等を確認できます
2 点間をドラッグすることで、特定の時間帯にズームすることができます

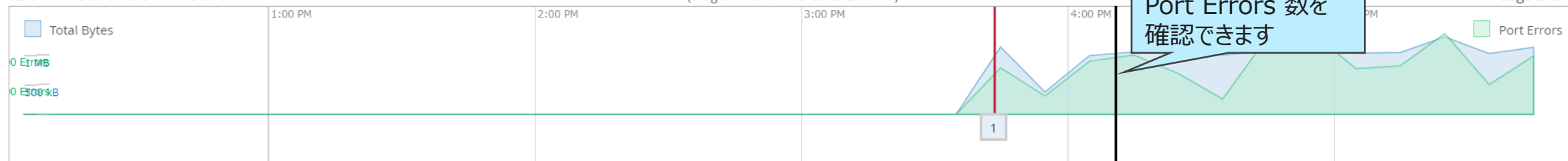
2 点間をドラッグすることで
当該期間をズーム表示

12:00 AM Dec 8 - 3:55 PM Dec 10



WAN Edge Events

12:04 PM Dec 9 - 5:51 PM Dec 9



(drag an area of interest to Zoom in)

マウスオーバーすると
時刻、通信量(MB)、
Port Errors 数を
確認できます

4:10 PM - 4:20 PM Dec 9: 1 MB, 178 Port Errors

WAN Edge Insights 確認手順

WAN Edge Events

WAN Edge Events で WAN Edge 関連のイベントが表示されます
イベントタイプの選択や、ポートの指定ができます

イベント件数

各イベントは、Good / Neutral / Bad に分類されています(クリックでフィルタリング)

イベントタイプを選択できます
(参照: [WAN Edge Event Type](#))

Port を指定できます

WAN Edge Events

38 Total

20 Good

2 Neutral

16 Bad

Showing All Types

Showing All Ports

Path Down	ge-0/0/1	8:13:14:835 AM Dec 6, 2024	Text down on interface inband-management Model SSR Version 6.3.0-107.r1
Path Down	ge-0/0/1	8:13:14:823 AM Dec 6, 2024	
Configured		8:13:08:756 AM Dec 6, 2024	
WAN Edge Process Start		8:13:06:000 AM Dec 6, 2024	
WAN Edge Rebooting for Upgrade		8:04:35:501 AM Dec 6, 2024	
WAN Edge Firmware Downloaded		8:01:22:826 AM Dec 6, 2024	
Configured		8:00:06:295 AM Dec 6, 2024	
WAN Edge Upgrade Initiated by User		7:59:49:531 AM Dec 6, 2024	

色分けされます

- Good
- Neutral
- Bad

WAN Edge Insights 確認手順

Applications

Applications で各アプリケーションの通信量や、通信量に対する割合、クライアント数などを確認できます

Applications4 Categories1 App (All)1 Application1 Client

Collapse All

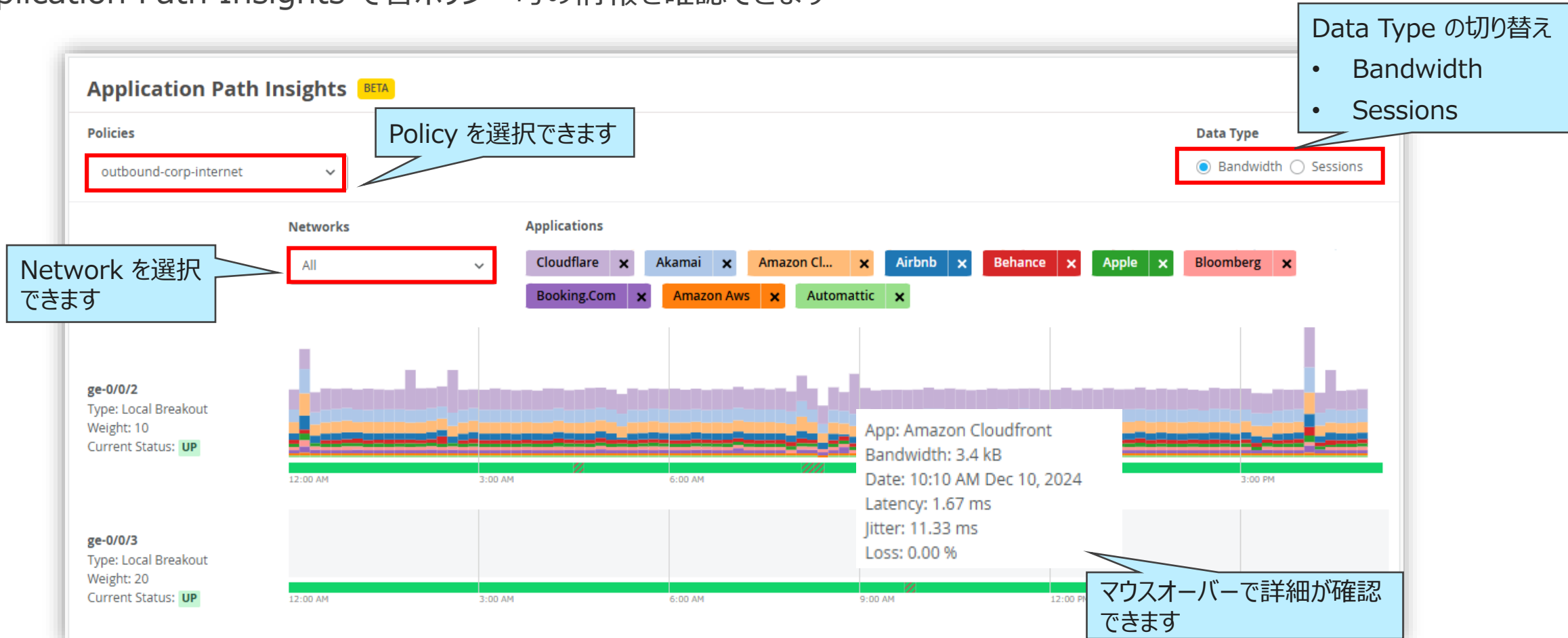
Search

Technology		22.9 kB	0.1%	16.8 kB	6.1 kB
App Name	Number of clients	Total Bytes	Percent Bytes	RX Bytes	TX Bytes
DNS Google	1	22.9 kB	0.1%	16.8 kB	6.1 kB
Infrastructure		15.4 kB	0.1%	2.2 kB	13.1 kB
App Name	Number of clients	Total Bytes	Percent Bytes	RX Bytes	TX Bytes
Amazon Cloudfront	1	13.7 kB	0.1%	2 kB	11.7 kB
AWS	1	1.7 kB	< 0.1%	222 B	1.4 kB
Business		4.9 kB	< 0.1%	2.4 kB	2.4 kB

WAN Edge Insights 確認手順

Application Path Insights BETA

Application Path Insights で各ポリシー毎の情報を確認できます



WAN Edge Insights 確認手順

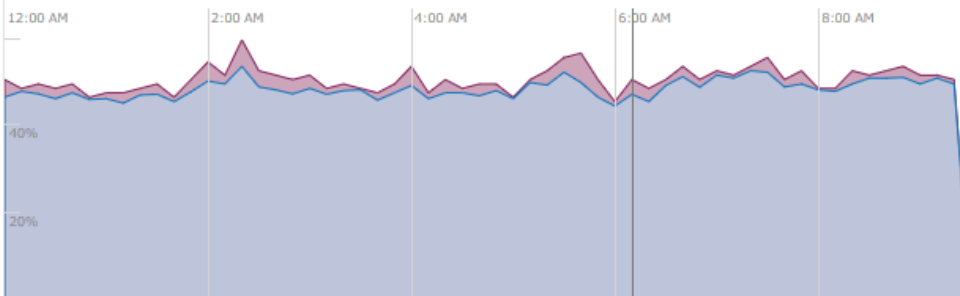
WAN Edge Device

WAN Edge Device の CPU(Control/Data Plane) 使用率、メモリ使用率、PoE Power Draw を確認できます

Control
Plane

WAN Edge Device

Control Plane CPU

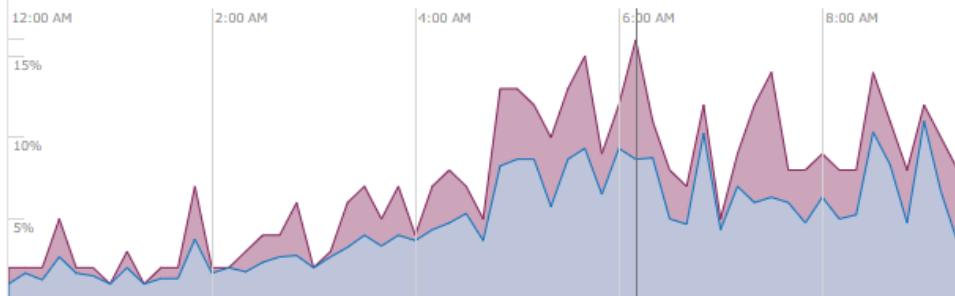


Jan 24 6:10 AM - 6:20 AM: 50.0% Max , 46.7% Avg

■ Max ■ Avg

Data
Plane

Data Plane CPU

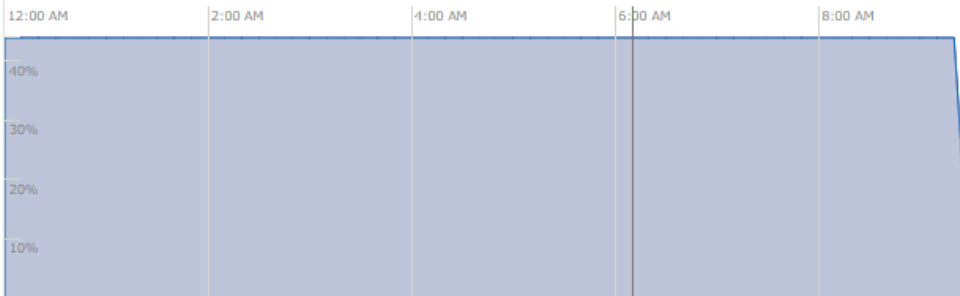


Jan 24 6:10 AM - 6:20 AM: 16.0% Max , 8.7% Avg

■ Max ■ Avg

Memory

Memory Utilization

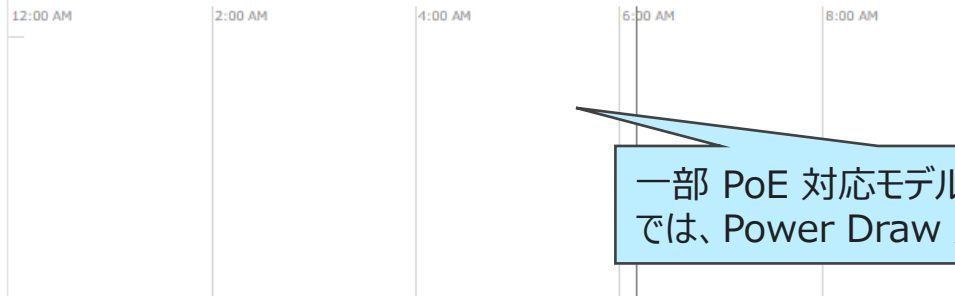


Jan 24 6:10 AM - 6:20 AM: 44.0% Max , 44.0% Avg

■ Max ■ Avg

Power
Draw

Power Draw



Jan 24 6:10 AM - 6:20 AM: 0.0 W Max , 0.0 W Avg

■ Max ■ Avg

一部 PoE 対応モデルの WAN Edge
では、Power Draw が表示されます

WAN Edge Insights 確認手順

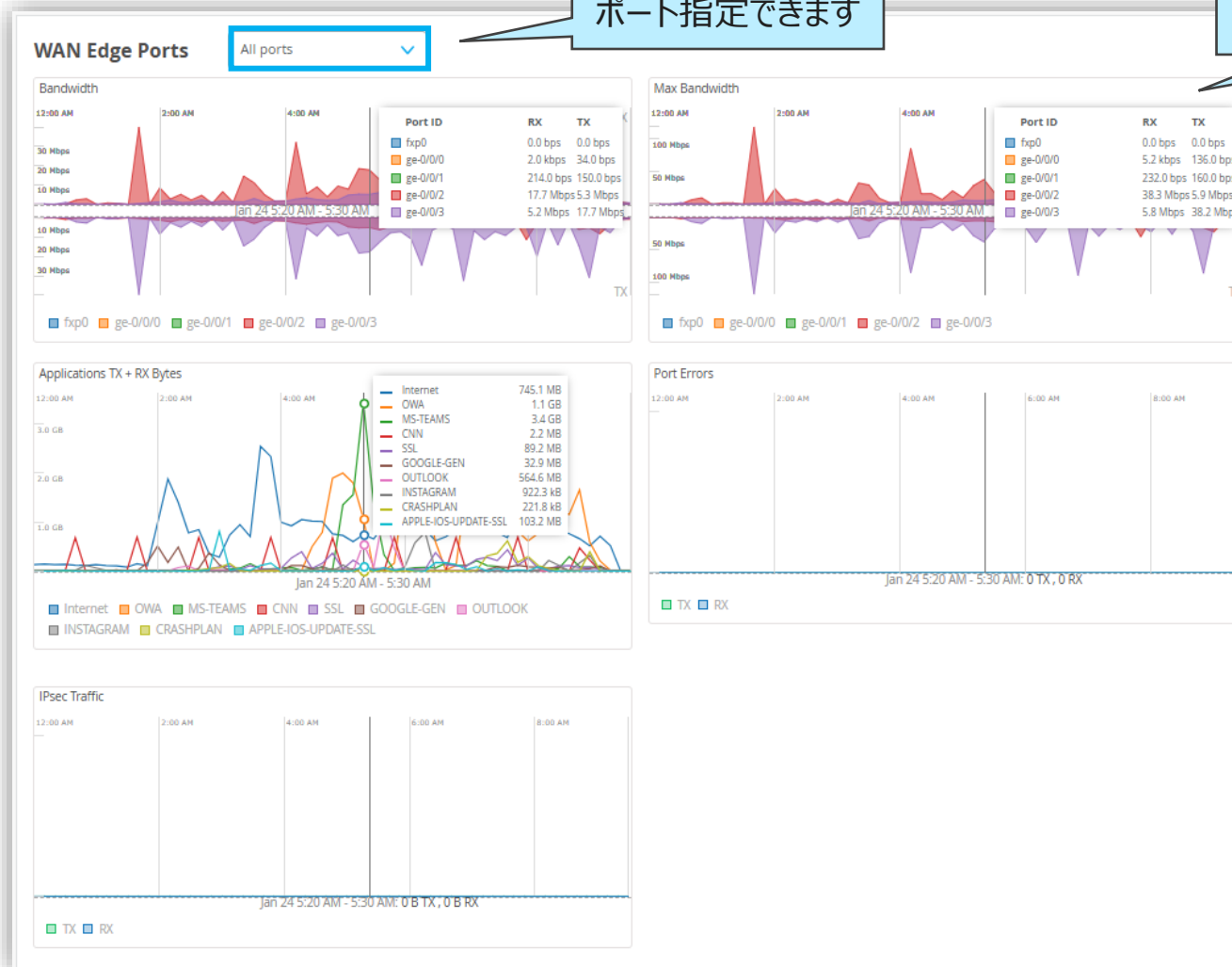
WAN Edge Ports

WAN Edge Ports で各 Port の情報を確認できます

ポート指定できます

マウスオーバーで詳細が確認
できます

Bandwidth



Max Bandwidth

Application TX/RX
(Bytes)

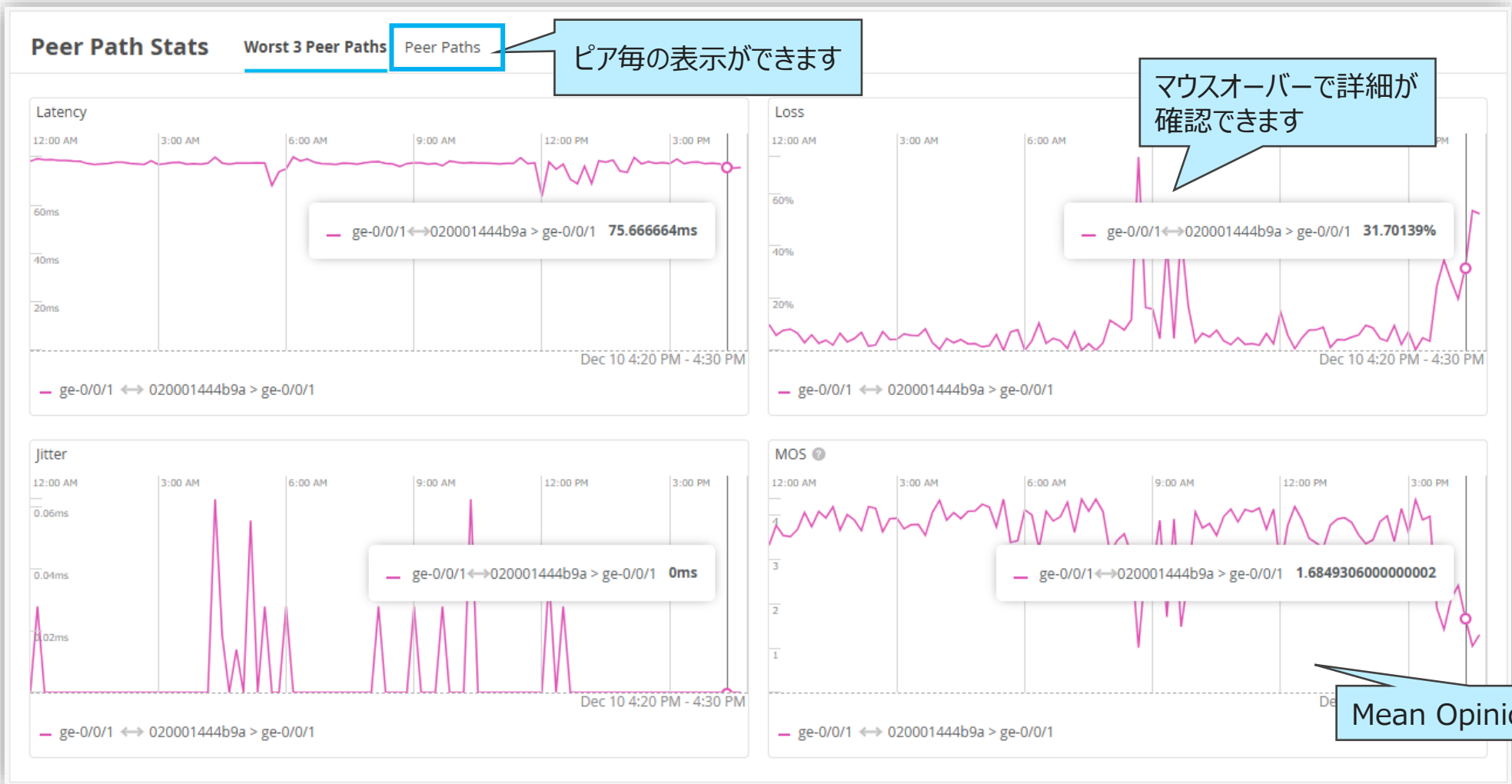
Port Errors

IPsec Traffic

WAN Edge Insights 確認手順

Peer Path Stats

BGP Peer Path の統計情報(Latency、Loss、Jitter、MOS)を確認できます



Latency

Loss

Jitter

MOS
(Mean Opinion Score)

Mean Opinion Score

WAN Edge Insights 確認手順

Current WAN Edge Properties

WAN Edge の各プロパティ、ステータス、Advanced Security(拡張機能)の適用状況を確認できます

Current Values

These values are not affected by the Time Range selection

Current WAN Edge Properties

Properties

Location	test
MAC Address	
Model	SRX320
Version	21.2R3-S7.7

Photos

Status

Status	Connected
IP Address	192.168.1.18
Uptime	3d 13h 8m
Last Seen	Jan 24, 2025 11:53:48 AM

Security Services

EWf Status	Disabled
IDP Status	Disabled
AppSecure Status	Enabled
Anti-Virus Status	Disabled
SSL Proxy Status	Disabled

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An abstract graphic on the left side of the slide, featuring a large, glowing green sphere composed of many small particles. Inside the sphere, there are several overlapping, translucent, green, leaf-like or petal-like shapes that also appear to be made of particles. The background of the entire slide is a solid, vibrant green.

Appendix

参考

表示期間の設定

GUI 上では、過去7日間の情報を確認できます

The diagram illustrates the available options for setting the display period in the GUI. It includes the following components:

- 過去60分** (Last 60 Min)
- 過去24時間** (Last 24 Hr)
- 過去7日間** (Last 7 Days)
- 日付指定** (Date Selection): 12:00 AM Jan 6, 2025 — 12:00 AM Jan 7, 2025
- Today** dropdown menu with options: Last 60 Min, Last 24 Hr, Last 7 Days, Custom Date, Today (selected), Yesterday, This Week, Custom Range.
- 任意の期間** (Custom Range): 12:00 AM Dec 31, 2024 — 12:00 PM Jan 7, 2025
- Custom Date**: Select date: January 2025 calendar (Jan 6 selected).
- Custom Range**: Select date and time: 12:00 AM - 12:00 PM, Dec 31 - Jan 7.

Additional labels on the right side of the diagram include: 今日 (Today), 昨日 (Yesterday), 今週 (This Week).

Custom Range
前の週の同じ曜日の 00:00:00 から現在時刻まで
1 時間単位で任意の期間を指定できます



Thank you

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