



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 items: Monitor, Marvis™, Clients, Access Points, Switches, WAN Edges, Mist Edges, Location, Analytics, and Site. The main content area is titled 'LIVE DEMO' and shows a navigation breadcrumb: Monitor > Service Levels > Alerts > Insights. The 'Insights' tab is active, and the breadcrumb path is highlighted with red boxes. Below the breadcrumb, there are filters for 'wan edge sdwan-westford' and 'Today'. A dropdown menu is open, showing 'Any Site' selected. Below this, a list of WAN Edge sites is displayed, including '_IoT Site', '_LD-AI-Native', 'GS-TN-Demo', 'Live-Demo', 'Abhi, Real use, warehouse', 'Mist WA Lab (EVE-NG)', 'New Site', 'Primary Site', 'sdwan_atlanta', 'sdwan_denver', 'sdwan_newyork_hub', and 'sdwan_onboarding_site'. The 'WAN Edge' option in the dropdown is highlighted with a red box.

This close-up shows the 'Any Site' dropdown menu. The search bar is empty. Below the search bar, a list of WAN Edge sites is displayed, including '020001444b9a', 'LD_CUP_SRX_11', 'i-0cf6aab9e80d6ea05', 'sdwan-atlanta', 'sdwan-denver', 'sdwan-phoenix', 'sdwan-sanfrancisco', 'sdwan-westford', 'wan_srx_sunnyvale', 'wan_srx_tor_hub1-srx1', and 'wan-teleworker'. The 'WAN Edge' option is highlighted with a red box. A callout box points to this list with the text: '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

This close-up shows the 'sdwan-westford' dropdown menu. The search bar is empty. Below the search bar, a list of WAN Edge sites is displayed, including 'sdwan-westford'. The 'sdwan-westford' option is highlighted with a red box. A callout box points to this list with the text: '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 options: Monitor, Marvis™, Clients, Access Points, Switches, WAN Edges (highlighted with a red box), Mist Edges, and Location. The main content area displays 'WAN Edges' for 'site DC'. A dropdown menu is open, showing 'List' (highlighted with a red box) and 'Topology'. Below this, there are three progress indicators: '0% Config Success', '100% Version Compliance', and '100% WAN Edge Uptime'. A table lists WAN Edge devices with columns: Name, Status, MAC, Model, Version, Topology, and Insights. The 'Insights' column for the 'DC' device is highlighted with a red box. A 'Table Settings' dialog box is open, showing a list of columns with checkboxes. The 'Insights' checkbox (item 13) is checked and highlighted with a red box. A blue dashed arrow points from the 'Insights' checkbox in the dialog to the 'WAN Edge Insights' link in the table. A blue callout box contains the text: '[Insights] をチェックすると、項目が表示されます'.

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

1. <input checked="" type="checkbox"/> Name	2. <input checked="" type="checkbox"/> Status	3. <input checked="" type="checkbox"/> MAC
4. <input type="checkbox"/> IP Address	5. <input checked="" type="checkbox"/> Model	6. <input checked="" type="checkbox"/> Version
7. <input checked="" type="checkbox"/> Topology	8. <input type="checkbox"/> Serial Number	9. <input type="checkbox"/> Location
10. <input type="checkbox"/> Last Seen	11. <input type="checkbox"/> Uptime	12. <input type="checkbox"/> Managed
13. <input checked="" type="checkbox"/> Insights	14. <input type="checkbox"/> Recovery Snapshot	15. <input type="checkbox"/> 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 options: Monitor, Marvis™, Clients, Access Points, Switches, WAN Edges (highlighted), Mist Edges, and Location. The main content area displays the WAN Edges list with a filter for 'site DC' and buttons for 'List' and 'Topology'. Below the list are three progress indicators: 0% Config Success, 100% Version Compliance, and 100% WAN Edge Uptime. The WAN Edges list table is as follows:

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

The 'WAN Edges' menu item in the sidebar and the 'WAN Edges' button in the main header are highlighted with red boxes. A callout box points to the 'WAN Edge Insights' link in the table, stating: 'WAN Edge 詳細ページの PROPERTIES から遷移できます' (You can migrate from the PROPERTIES of the WAN Edge detail page).

The Properties panel for the selected WAN Edge is shown below:

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



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
Last 24 Hr
Last 7 Days
Custom Date
Today
Yesterday
This Week
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](#))

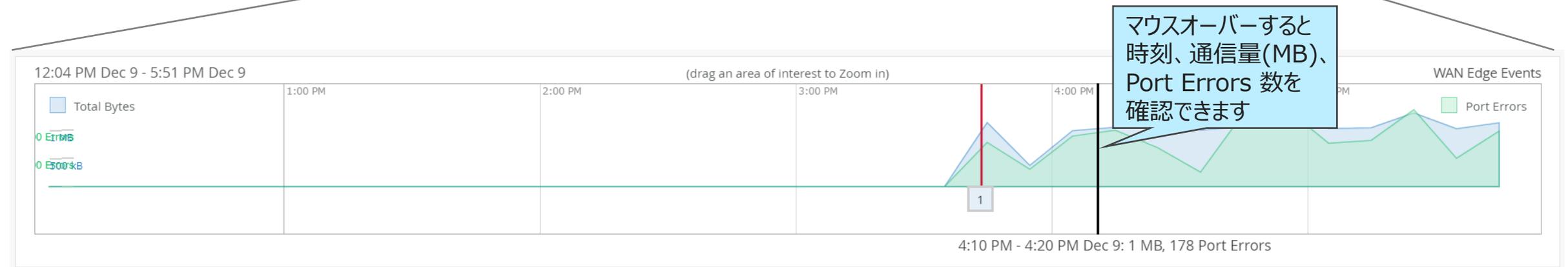
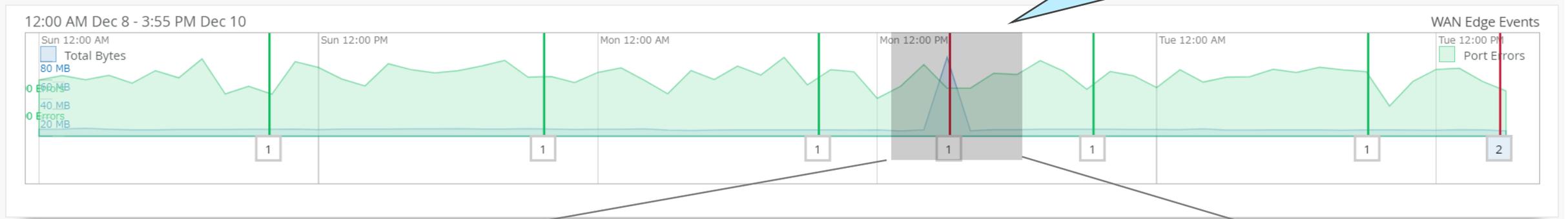
The screenshot shows the 'Monitor' interface with the 'Insights' tab selected. The main display area shows a floor plan of a building with various rooms labeled in Japanese, such as '男子便所4', '前室T4', '男子便所3', '前室T3', '女子便所3', '空調機械室3', '人番箱EV3', '附室T3', and '階層室T3'. A 'WAN Edge' icon is highlighted on the floor plan. The interface includes a navigation bar with 'Wireless', 'Wired', 'WAN', and 'Insights' tabs. A dropdown menu shows 'wan edge DC' and 'Today'. A callout box points to the 'Today' dropdown with the text '表示期間を変更できます'. Another callout box points to the 'WAN Edge' icon with the text 'WAN Edge 名'. A third callout box points to the 'DC' label with the text 'サイト名'. A fourth callout box points to the 'DC - 45F' label with the text 'フロアプラン名'. A fifth callout box points to the floor plan background with the text '背景はフロアプラン図 (設定時)'. The interface also includes search, zoom, and refresh icons in the top right corner.

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



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						
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

Text: down on interface inband-management

Model: SSR

Version: 6.3.0-107.r1

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

Applications 4 Categories 1 App (All) 1 Application 1 Client Collapse All

App Name	Number of clients	Total Bytes	Percent Bytes	RX Bytes	TX Bytes
Technology					
DNS Google	1	22.9 kB	0.1%	16.8 kB	6.1 kB
Infrastructure					
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					

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

The screenshot shows the 'Application Path Insights' interface. At the top left, the title 'Application Path Insights' is followed by a yellow 'BETA' badge. Below this, there are two main sections: 'Policies' and 'Data Type'. The 'Policies' section has a dropdown menu currently set to 'outbound-corp-internet'. The 'Data Type' section has two radio buttons: 'Bandwidth' (selected) and 'Sessions'. Below these are two more sections: 'Networks' with a dropdown set to 'All', and 'Applications' with a list of application tiles including Cloudflare, Akamai, Amazon Cl..., Airbnb, Behance, Apple, Bloomberg, Booking.Com, Amazon Aws, and Automattic. The main area contains two stacked area charts. The top chart is for 'ge-0/0/2' (Type: Local Breakout, Weight: 10, Status: UP) and the bottom for 'ge-0/0/3' (Type: Local Breakout, Weight: 20, Status: UP). A tooltip is visible over the top chart, showing details for 'App: Amazon Cloudfront' with metrics: Bandwidth: 3.4 kB, Date: 10:10 AM Dec 10, 2024, Latency: 1.67 ms, Jitter: 11.33 ms, and Loss: 0.00 %. Callouts provide instructions: 'Policy を選択できます' points to the policy dropdown, 'Network を選択できます' points to the network dropdown, 'Data Type の切り替え' points to the radio buttons, and 'マウスオーバーで詳細が確認できます' points to the tooltip.

Policy を選択できます

Data Type の切り替え

- Bandwidth
- Sessions

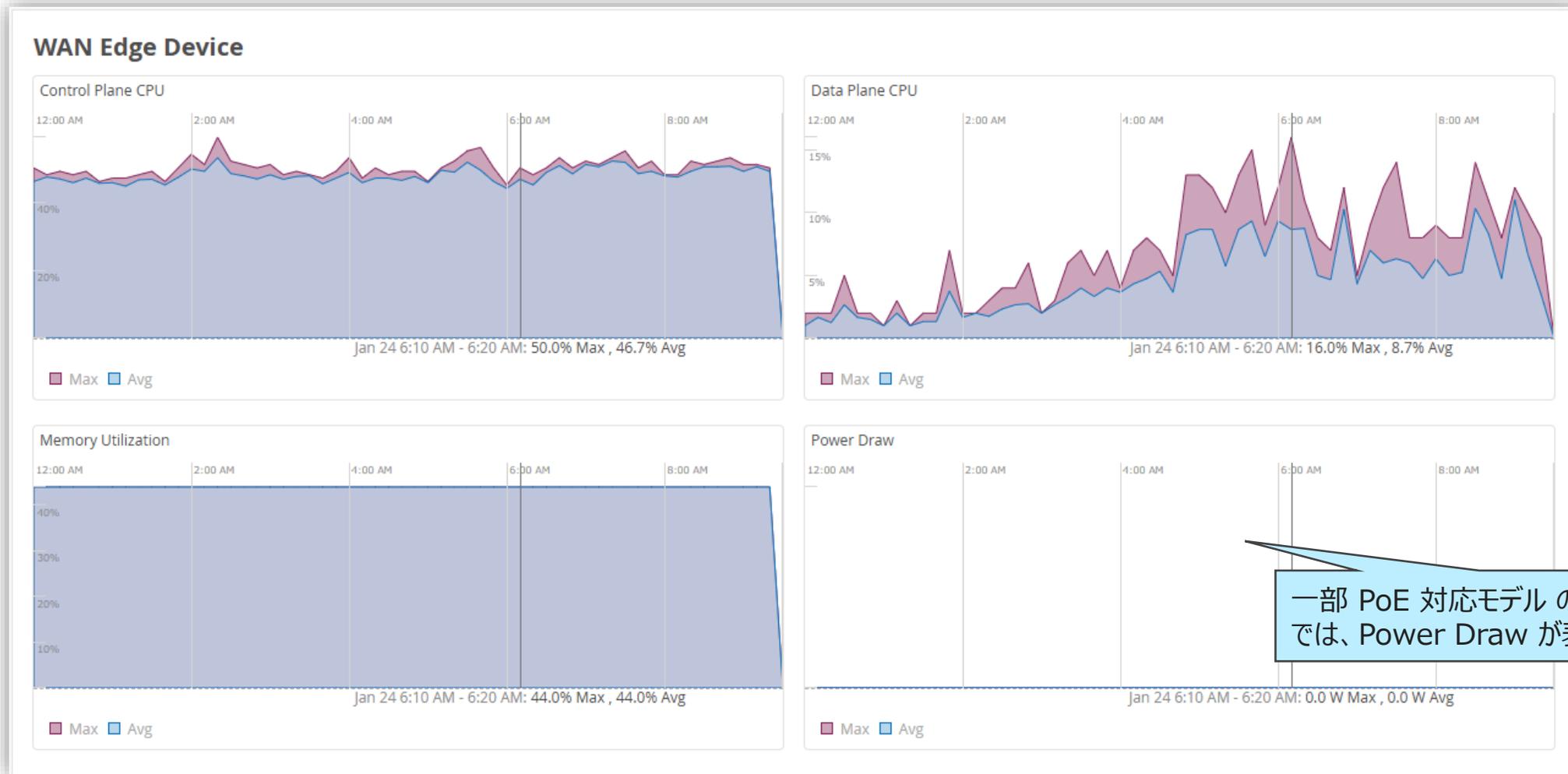
Network を選択できます

マウスオーバーで詳細が確認できます

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

Data Plane

Memory

Power Draw

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

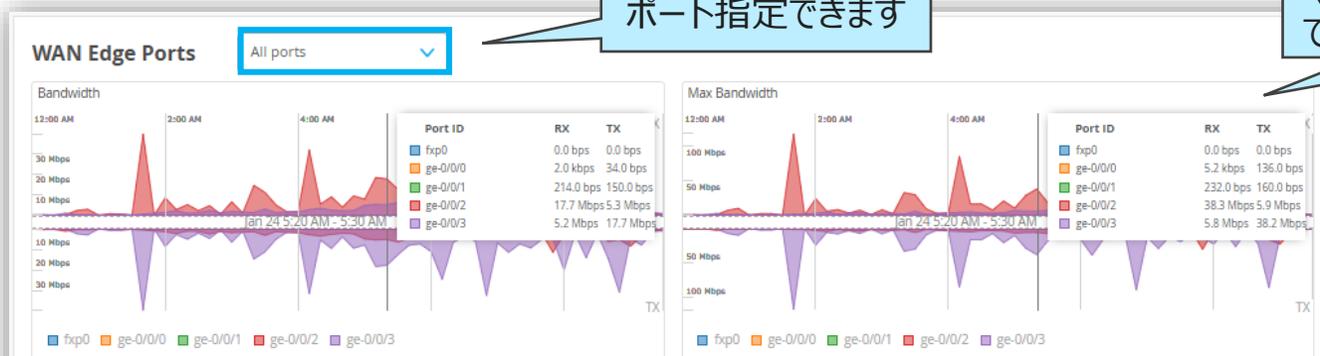
WAN Edge Ports

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

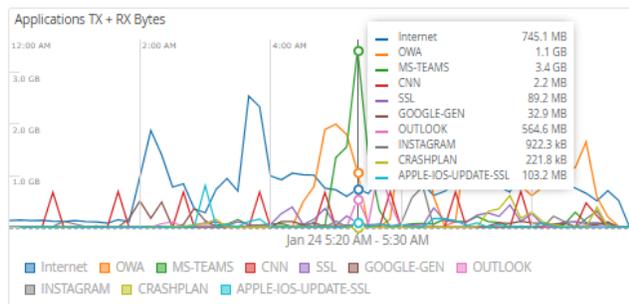
Bandwidth



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)



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

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

Photos 

An abstract graphic on the left side of the slide, composed of numerous small, glowing green and yellow particles that form a complex, organic, and somewhat circular structure. The particles are arranged in a way that suggests a network or a data flow, with some areas being more densely packed than others. The overall effect is a vibrant, digital-looking composition.

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 GUI options for setting time ranges. It shows several dropdown menus and a calendar interface. A central dropdown menu is highlighted, showing options: Last 60 Min, Last 24 Hr, Last 7 Days, Custom Date, Today, Yesterday, This Week, and Custom Range. Lines connect these options to their respective GUI elements. The 'Today' option is selected in the central menu. The 'Custom Date' option is linked to a calendar showing January 2025, with the 6th selected. The 'Custom Range' option is linked to a date and time selector showing a range from 12:00 AM Dec 31 to 12:00 PM Jan 7, 2025. The 'Last 7 Days' option is linked to a date range selector showing 12:00 AM Jan 6, 2025 to 12:00 AM Jan 7, 2025. The 'Today', 'Yesterday', and 'This Week' options are linked to their respective dropdown menus on the right side of the diagram.

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
12:00 AM Jan 6, 2025 — 12:00 AM Jan 7, 2025 ▼

Custom Date
前の週の同じ曜日まで指定できます

Select date:
January 2025
Su Mo Tu We Th Fr Sa
29 30 31 1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31 1
APPLY

Select date and time:
12:00 AM ▼ - 12:00 PM ▼
Dec 31 ▼ - Jan 7 ▼
APPLY

任意の期間
12:00 AM Dec 31, 2024 — 12:00 PM Jan 7, 2025 ▼

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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