2022年9月30日リリース Mist 新機能のご紹介

ジュニパーネットワークス株式会社





◆ 本ドキュメントは以下のリリースノートを抄訳したものです

https://www.mist.com/documentation/september-30th-2022-updates/

◆ 本ドキュメントは2022年10月時点のMist cloudのGUIを使用しております

◆ 実際の画面と表示が異なる場合がございます

◆ 内容について不明な点、ご質問等がございましたら担当営業までお問い合わせください



本リリースで追加された機能一覧

Simplified Operation

• MSPロゴのカスタムURL

Wired Assurance

- Syslog
- SNMP
- BGP

WAN Assurance

- IDP
- セキュアWANエッジ IDP/URLイベントダッシュボードおよびアラート
- LTE信号強度
- SSRのアップグレード
- 利用可能なイメージ形式の表示
- クライアントの生データのWebhook送信



Simplified Operation





MSPロゴのカスタムURL

Mišt	THE MIST DEMO MSP
nization	MSP Information
	MSD Name
	The Mist Demo MSP
	MSP Logo
	MSP Logo Homepage
	https://en.wikipedia.org/wiki/IEEE_802.11
	Single Sign-on
	Identity Providers Add IDP
	Name Type Issuer Signing Algorithm SSO URL Custo
	ewefsd SAML
	test SAML
	Roles Create Role
	Name Access Org
	Org-Glaser-Home-Network-Admin Network Admin Gla

- Advanced tierのMSPユーザは独自のロゴをカスタマイズしてダッシュ ボードに表示可能ですが、本リリースよりロゴをカスタムURLでも設定で きるようになりました
- MSPロゴセクションのMSP Logo homepageから設定可能です

Wired Assurance





Syslog

SYSLOG									
✓ Override Site/Template Settings									
Enabled									
Files	Hosts	Users	Console	Archive	General				
Files									
test_script.log									
test_script2.log									
test_scrpt3.log									
Search	Search X Add File								

- Mist GUIでスイッチのSyslogに関する設定が行えるようになりました
- デバイスレベル・サイトレベル・組織レベルでの設定が可能です





SNMP								
Override	e Site/Ter	nplate Set	tings					
Enabled Disabled								
○ V2 🔘	V3							
General	USM	VACM	Notify	Target	Views			
Name								
test								
Location								
!@#\$								
ontact								
!@#\$#\$								
Description								
test123								

- Mist GUIでスイッチのSNMPに関する設定が行えるようになりました
- デバイスレベル・サイトレベル・組織レベルでの設定が可能です



BGP

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lateria latera			CNAAD					
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			Coverside sites reimplate	secongs				
			Enabled @ Disables	1				
Routing								
STATIC ROUTE			ROUTING			OSPF AREAS		
* Site or Template	Defined		Router ID					
	No static routes de	rfined	IP address (ave yes yes yes				No areas defined	
			OSPF Configuration					Add Area
		Add Static Route	Enabled Disable	1				
868								
BGP	licabled							
• Enabled () I	Jisacied							
Search								Add BGP Neighbors
1 BGP Neghbor	TYPE	LOCAL AS	EXPORT	IMPORT	NEIGHBO	and	NEIGHBORS AS	
bgp	external	2	apc	abc	1		10248	
Advanced								
- to - or for to								
CLI CONFIGURAT	ION							
Site/Template Ci	Commands							
Siver rempiate CL	r contribution							20
								11
Rule-based CLI C	ommands							20
								1.
Additional CLI Co	mmands 😡							50

• Mist GUIでスイッチのBGPに関する設定が行えるようになりました

WAN Assurance





IDP

Application Policy Save C Search Add Application Policy Edd	Application Policy Add Application Policy Edd A		CORP01		WED, 10:57 AM	8 0
Search Add Application Policy Edit Application B Application Policies NAME NETWORK/USER MATCHING ANY ACTION APPLICATION / DESTINATION (MATCHING ANY) IDP corp-spoke-in + GooleCorp-spg_Sock-orp >> - GooleCorp-spg_Sock-orp >	Sarch Add Application Policies B Application Policies NTWORK / USER (MATCHING ANY) ACTION APPLICATION / DESTINATION (MATCHING ANT) 10P Corp-spick-in + spick-corp-size spoke-corp - - spick-corp-size spoke-corp - - spick-corp-size spoke-corp - - spick-corp-size spoke-corp -	Ар	oplication Policy		Save	Ca
B Application Policies Network / USE (MACCHING ANY) ACTION APPLICATION / DESTINATION (MACCHING ANY) IDP corp-spoke-in + spoke-corp-agg_(spoke-corp) -	B Application Policies Nature (X) N	Sea	earch Q	Add Application 6	Rolloy Edit /	Innlicatio
NAME NAME NAME ACTION APPLICATION (ASTINATION (AUXIENING ANY) IDP corp-spoke-in + soble-corp-sgg_spoke-corp	NAME NATION ARTION APPLICATION (AUSCINIC ANY) RATION APPLICATION (AUSCINIC ANY) IDP Corp-spoke-in + spoke-corp-sgg_spoke-corp	8 App	Application Policies	And Application P		(ppicacio
corp-spokein + total-corp-sigg spoke corp-sigg s	corp-spoke-in * iodex-corp-sg_sok-corp * iodex-corp * iodex-corp </td <td>U</td> <td>NAME NETWORK / USER (MATCHING ANY) ACTION APPLICATION / DESTINATION</td> <td>(MATCHING ANY) IDP</td> <td>-</td> <td></td>	U	NAME NETWORK / USER (MATCHING ANY) ACTION APPLICATION / DESTINATION	(MATCHING ANY) IDP	-	
corp-spoke-out + toke-corp-sog_spoke-corp > toke-corp > toke-c	crrp-spoke-out + ppdecorpage_stockcorp - - ppdecorpage_stockcorp + sockcorpage_stockcorp + sockcorpage_stockcorp - ppdecorpage_stockcorp + sockcorpage_stockcorp + sockcorpage_stockcorp - - ppdecorpage_stockcorp + sockcorpage_stockcorp - </td <td></td> <td>spoke-corp-agg.spoke-corp x</td> <td>None</td> <td>•</td> <td></td>		spoke-corp-agg.spoke-corp x	None	•	
default.dns + default.in	odefault.dns + default.s		corp-spoke-out + spoke-corp-agg spoke-corp-agg × +	None	•	
internet-corp + spoke-corp any + Alert * any internet-corp-noidp + spoke-corp any + None * any internet-guest + spoke-corp - guest-corp > guest-corp > any * any internet-guest + spoke-corp - guest-corp > guest-corp > > any * any internet-guest + spoke-corp - guest-corp > guest-corp > > any * any internet-guest-no-idp + spoke-guest - guest-corp > > > any > > any internet-guest-no-idp + spoke-guest - guest-corp > > > > any ssh-in + merret > - spoke-guest > > > > any	Internet.corp + spokecorp system Alert • Internet.corp.no.idp + spokecorp	0	default-dris + default × → public-dris × +	None	•	
Internet-corp-no.idp + goole-corp is	Internet.corp.no.idp ImpoRe_corp.ix ImpoRe_	0	internet-corp + spoke-corp ×> any × +	Alert	•	
internet-guest + spoke-guest guest-web ix public-dris ix + Strict * me internet-guest-no-idp + spoke-guest * guest-web ix public-dris ix + None * ssh-in + memet ix * * me * me	Internet-guest. Impose guest. Im	0	internet-corp-no-idp + spoke-corp ×	None	•	
Internet-guest-noldp + Spokeguest.s ssh-in + Internet i i	internet-guest-in-idp + Spoke-guest. No ssh-in + Monenet spoke-schin + Monenet		internet-guest + spoke-guest x	ins 🛛 🖈 Strict	•	1
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			ssh-in + internet ×	None	•	ſ

- Mist GUIでアプリケーションポリシーを設定することができるようになりました
- 各IDPプロファイルごとにAlert,Standard,Strictの3段階を設定する ことが可能です
- IDPに関する詳細は以下のページを参照してください

https://www.juniper.net/documentation/us/en/software/junos/ idp-policy/topics/topic-map/security-idp-overview.html

セキュアWANエッジ IDP/URLイベントダッシュボードおよびアラート

Mist	CORP01									v	ved, 11:08 AM	200
Monitor	Secure WAN	Edge ID	P/URL Ever	org (En	tire Org) 🔻	IDP URL	Filtering 1 Hour 7 Hours 24 Ho	urs.				≡ ¢
■ Marvis™	Filter Q			Entire 0	rg Site							
의 Clients					20							
Access Points					20	0 Total	Critical 132 Major 2 Minor	0 Info				
Switches	Time	Device Name	Site	Source Address	Source Port	Source Interface	Destination Address	Destination Port	Destination Interface	Attack Name to	Threat Severity	Action
	9/28/2022, 11:00:46 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL-OPENSSL-CVE-2017-3731-DOS	Major	none
(+) WAN Edges	9/28/2022, 11:00:42 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
	9/28/2022, 10:59:31 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
✓ Location	9/28/2022, 10:59:27 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
	9/28/2022, 10:56:16 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	Major	none
ool Analytics	9/28/2022, 10:56:12 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
Site	9/28/2022, 10:53:00 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
@	9/28/2022, 10:52:56 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
Grganization	9/28/2022, 10:51:46 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	Major	none
	9/28/2022, 10:51:42 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	Major	none
	9/28/2022, 10:50:31 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
	9/28/2022, 10:50:27 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	 Major 	none
	9/28/2022, 10:47:16 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	312:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	Major	none
	9/28/2022, 10:47:12 AM	vsrx-branch2	Branch 2 Orlando	10.10.2.2		ge-0/0/2.0	f812:1bb:3:5443:5000:b:5345:5256		ge-0/0/0.0	SSL:OPENSSL-CVE-2017-3731-DOS	Major	none

83 Alerts site Branch 2 Orlando • Today •					Alerts Configuration
	83 Total	O Infrastructure Critical 83 Warning	0 83 Narvis Security		
Filter Q					< 1-83 of 83 >
▲ Alert		Recurrence	First Seen	Last Seen	Details
 URL blocked 		1	09/28 11:08:49 am	09/28 11:08:49 am	Network Security
 IDP attack detected 		1	09/28 11:03:56 am	09/28 11:03:56 am	Network Security
URL blocked		77	09/28 10:52:41 am	09/28 11:02:50 am	Network Security
 IDP attack detected 		14	09/28 10:47:12 am	09/28 10:56:16 am	Network Security
Attacks SSL:OPENSSL:CVE-2017.3731-DOS Protocols hopopt Attacker IPs 10.10.2.2, 142.250.191.100 DROPBOX-CLEAR Ingress Ports ge-0/0/2.0					

- セキュアWANエッジのIDP/URLイベントの表示ダッシュボードが追加されました
- Site→WAN Edge→Secure WAN Edge IDP/URL eventsで 確認可能です
- 同イベントに対するアラート発報も可能です
- Monitor→Alertから画面右上のAlers Configurationをクリックし 画面に進み、IDP Attack Detectedを選択してください

Juniper Business Use Only



WAN Edge	Charts Ite-0-0	~					
Control Plane C	PU			55 Data Plane CPU			
Mon 12:00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am	Mon 12.00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am
2%							
%							
		7-Sep 10:00 am - 11:	00 am: 61.0% Max , 57.5% Avg			7-Sep 10:00 am -	11:00 am: 0.0% Max , 0.0% A
🔲 Max 🔲 Avg				🔲 Max 🔲 Avg			
Memory Utilizat	ion			53 Bytes Ite-0-0			
Mon 12:00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am	Mon 12:00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am
2%				800 kB			
2%				400.68			
7%				200 kB			
		7-Sep 10:00 am - 11:	00 am: 66.0% Max , 64.8% Avg			7-Sep 10:00 am - 11:0	00 am: 405.5 kB TX , 43.1 kB
📕 Max 📕 Avg				TX 🔲 RX			
Port Errors Ite	-0-0			St LTE RSSI (Received Sign	nal Strength Indicator)		Avg Min/M
Mon 12:00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am	Mon 12:00 pm	Tue 12:00 am	Tue 12:00 pm	Wed 12:00 am
				0 dBm			
				-20 dBm			
				-40 dBm			
				-60 dBm			
				-80 dBm			
		7-Sep 10:00	am - 11:00 am: 0 B TX , 0 B RX		7-Sep 10:00	am - 11:00 am: -70 dBm n	nax, -70 dBm avg, -70 dBm n
🔲 TX 🔲 RX							-

• WANエッジインサイトページでWANリンクにLTEモジュールを使用している場合にLTEの信号強度が表示されるようになりました

SSRのアップグレード



- Mist GUIを使用してSSRをアップグレードできるようになりました
- Utilties→Upgrade Firmwareを選択するとメニューが表示されます



利用可能なイメージ形式の表示



フロアプランのアップロード時に利用可能なイメージの形式を確認することができるようになりました



Client Raw Data Webhooks

Raw data webhooks are a special subset of webhooks that provide insight into raw data packets entitled by a client, identified by their advertising MAC address (assets, discovered ble, connected wifi). The data that client raw data webhooks encompasses are reporting AP information, RSSI Data, and any special packets/telemetry packets that the client raw data the client raw webhooks are the raw data coming from the client any special packets/telemetry packets that the client raw ethods are the raw data coming from the client and do not contain the X,Y location data to the client tark are the raw data to rais client please see our location webhooks. Clients can be identified (clients can be identified vicinets that be client raw data to pics and location webhook topic using MAC address as the Unique identifier (clients).

Client Raw Data Webhooks Topics

Topics that correspond to client raw data for different client types. To be included in the http-post message for /api/v1/sites/site_id/webhooks API. 1. asset_raw-rssi - Raw data from packets emitted by named and filtered assets 2. discovered_raw-rssi - Raw data from packets emitted by passive BLE devices 3. wifi-conn-raw - Raw data from packets emitted by unconnected devices (ussive) (passive)

Rules for configuring client raw data webhooks

1. Only one instance of a webhook object containing a client raw data webhook topic is allowed. (a site level entry will override an org level entry for the client raw data webhook topic in question) 2. Only one client raw data webhook topic is allowed per `http-post` message to webhooks api

Example of valid http-post Webhook for configuring client raw data webhooks

POST /api/v1/sites/:site_id/webhooks			
(
"name": "test-asset-raw",			
"url": "https://xyz.abc",			
"enabled": true,			
"topics": ["asset-raw-rssi"]			
3			
Response			
HTTP 200 OK			
Allow: GET, OPTIONS, POST			
Content-Type: application/json			
Vary: Accept			
(
"name": "test-asset-raw",			
"url": "https://eoipjcp8ktxjo8p.m.	.pipedream.net",		
"enabled": true,			
"topics": [
"asset-raw-rssi"			
1,			
"verify_cert": true,			
1d : 11114968-9177-420a-9854-c7c	18460/CISU",		
for site i true.			

- 以下の位置情報に関するWebhookのトピックスに関して、API経由 で生データをwebhookで送信することができるようになりました
 - asset-raw-rssi
 - discovered-raw-rssi
 - wifi-conn-raw
 - wifi-unconn-raw
- 詳細は以下のサイトのClient Raw data webhooksを参照してく ださい

https://api.mist.com/api/v1/docs/Site#webhooks





Thank you

