## 2021年5月20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/may-20th-2021-updates/

◆ 本ドキュメントは2021年7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

#### Marvis

- Marvis ActionにARPおよびDNSの失敗を追加
- Marvisクエリー言語を使用したトラブルシューティングにARPとDHCP関連の情報を追加

#### Wired/WAN Assurance

- スイッチの設定ファイルのダウンロード
- ・スイッチの設定の差分の表示
- スイッチテンプレートの改良
- SRXサービスステータスの表示



# Marvis





### Marvis ActionにARPおよびDNSの失敗を追加

AP FAILURE RECOMMENDED ACTION Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure details Based on the failure details			ACTIONS		↓ Org
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Gateway ARP Timeout View Anomaly Apr 7, 2021 02:00 AM	ARP FAILURE RECOMMENDED ACTION Based on th site	APP Failure     T DNS Failure      T DNS Failure	' gateway is online and reachable or if t	there is congestion in the network.	
TIMELINE ®	Site	Reason Gateway ARP Timeout	Details View Anomaly	Date Apr 7, 2021 02:00 AM	
g Hanna and Anna and	DNS Failure Details ANOMALY TIMELINE (	9	• status	Q, Anomaly 👹 I	alures = tmpac

- MarvisアクションダッシュボードのConnectivityセクションに2つの新しい アクション(ARP障害とDNS障害)が追加されました
- これらの2つのアクションは、異常検出モデルを利用して、ARPおよびDNS イベントで異常に多数の障害が発生しているクライアントのあるサイトを識 別します
- [アクションダッシュボード]ページから異常検出の詳細画面に直接アクセスして、障害のタイムラインとAP、WLAN、および無線帯域の影響を確認し、問題の原因を特定できます
- [Details]列の[View Anomaly]リンクをクリックして、異常検出の傾向 を示したグラフを確認できます



## Marvisクエリー言語を使用したトラブルシューティングにARPとDHCP関連の情報を追加





- クエリー言語を使用したMarvisのトラブルシューティング結果に、サイトでのDHCPおよびARPの問題が含まれるようになりました
- "Troubleshoot <client>"で検出できるDHCPおよびARP障害の種類は次のとおりです
- DHCP Failures:
  - Discover Unresponsive
  - DHCP Incomplete/Stuck
  - DHCP Nack
  - Renew Unresponsive
- ARP Failures:
  - Gateway ARP Timeout
  - Excessive ARPing
  - ARP timeout
- 左の画面に表示例を示します



### Marvis ActionにARPおよびDNSの失敗を追加

Application         Image: Connectivity			ACTIONS		↓ <sub>↑</sub> Org
ARP FAILURE RECOMMENDED ACTION Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason, please check if the ARP gateway is online and reachable or if there is congestion in the network. Based on the failure reason or if there is congestion in the network. Based o	0 Clients	2 Connectivity 32AP	34 o switch	Gateways	Applicatio
ste     Reason     Details     Date       Gateway ARP Timeout     View Anomaly     Apr 7, 2021 02:00 AM	ARP FAILURE RECOMMENDED ACTI ARP FAIL Based c	ION URE In the failure reason, please check if the	e ARP gateway is online and reachable or if t	here is congestion in the network.	
DNS Failure Details ANOMALY TIMELINE ® ANOMALY TIMELINE ® ANOMALY TIMELINE ® Anomaly failure in mark and anomaly failure in mark and anomaly failure in mark and anomaly failure in the failure in mark and anomaly failure in the failure in	Site	Reason	Details View Anomaly	Date	

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- [Details]列の[View Anomaly]リンクをクリックして、異常検出の傾向 を示したグラフを確認できます



# Wired/WAN Assurance





スイッチの設定ファイルのダウンロード

Mišt	LIVE DEMO				THU, 01:32 PM 🖉 🖓 🕐	
🚱 Monitor	< Switches : ex4300-LD-TEST1	Utilitie	es ∨ Save Cancel ¢			
A Marvis™	Front Panel Port List	Testing T Send Sw	ools itch Log to Mist			
Clients	EX4300-48T	CPU Reboot S Upgrade	witch Firmware			
Switches	9 2 4 6 8 10 12 14 16 18 20 22 24 State 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Create Tr Create Tr Junos Co	emplate			
Gateways	1 3 5 7 9 11 13 15 17 19 21 23 25	27 29 31 33 35 37 39 4	11 43 45 47 1 3	<b>°</b> 1 3		
✓ Location	METRICS	PROPERTIES		STATISTICS		
00 Analytics	- Switch-AP Affinity PoE Compliance	INSIGHTS	Switch Insights	STATUS	Connected	
Retwork	- VLANs 100% Version Compliance	LOCATION	01 - Office	IP ADDRESS	0	
A Organization	100% Switch Uptime	MODEL	EX4300-48T	WIRELESS CLIENTS	0	
U organization		VERSION	20.3R1-S1.1	TOTAL POWER DRAW	0.00 W	
		SWITCH PHOTOS		UPTIME	4d 22h 55m	
			0	LAST SEEN	01:28:05 PM, May 20	
	Switch Configuration					
			Disable Configuration Management			
	INFO		RADIUS			
	Name	Port Profile Assignment		Override Site/Template Se	ttings	
	letters, numbers, or -	* Site, Template, or System defin	ed	Addientication Servers		

- ジュニパースイッチで実行されている設定内容をテキストファイルとしてダウンロードする機能を追加しました
- 設定内容はJunos configフォーマットで表示できます
- [Utilities]ドロップダウンメニューで[JunosConfig]を選択して、[ス イッチの詳細]ページでスイッチ構成ファイルにアクセスします

注)現在は表示が"Junos config"から"Download Junos config"に 変更されています



## スイッチの設定の差分の表示

Mist	[MIST CSQA] CUPERTINO LAB - PRODUCTION	THU, 01:45 PM 🖉 🖗 🥐
🚯 Monitor	Monitor Wireless Wired WAN Location Insights Switch fc9643352c0d  Last 7 Days	Q @ \$
A Marvis™		
O) Clients		
• Access Points		
Switches		
Gateways	fc9643352c0d	
√ Location		
D Analytics	12/2/02 APM May 15 - 01/34 PM May 20 (orag an area or interest to Zoom in)	May-20 Port Errors
D Network		
Organization	2 2	1
	12:00 pm - 1:00 pm, May 2	0: 33.9 MB, 0 Port errors
	Switch Events 5 Total 4 Good 0 Neutral 1 Bad All event Types  All switch ports	
	Switch Disconnected 12:10:24.000 PM, May 20	
	Configured 0936/42.000 PM, May 18	
	Config Changed by 093610.000 PM, May 18 User Version 18, 283-54.1	
	Configured 05:34:46.000 AM, May 17	
	Config Changed by 05:34:14.000 AM, May 17 User	
	Switch Charts All ports -	
	K CPU Utilization     Max     Avg     K Memory Utilization	Max 🗖 Avg



- [Switch Insights]ページのSwitch Events欄で、設定変更イベン ト時に発生した構成差分をポップアップグラフィックとして表示する機能を 追加しました
- 構成の差分を表示するには、[Monitor]> [Service Levels]に移動 し、[Insight]タブを選択し、ドロップダウンメニューを使用して目的のス イッチを選択します。[Switch Events]セクションで、[Configured]イ ベントをクリックし、[View Details]ボタンをクリックして、行われた設定の 変更を確認します



スイッチテンプレートの改良

Mist	[MIST CSQA] CUPERTINO LAB - PRODUCTION		THU, 01:56 PM 🖉 🌻	?
Monitor	< Switch Templates : test		Delete Template More - Save Ca	ncel
Marvis™				
Clients	INFO	APPLIES TO SITES		
Access Points	Name test	O sites O switches Assign to Sites		
Switches			•	h
Gateways	All Switches Configuration		^	
Location	Configuration applying to all switches managed by the	template		
Analytics	RADIUS	NTP	CLI CONFIGURATION	
Network	Authentication Servers	NTP Servers	Additional CLI Commands	
	No servers defined			
Organization	Add Server	(comma-separated)		
	Timeout 5 (0 - 3600 seconds)			
	Retries 3 (0 - 10)	DNS Servers		
	Accounting Servers			
	No servers defined	(Comma-separated IPs and Max 3)		

Q			
			< 1-4 of 4 ≥
SITE		CONFIGURATION TEMPLATE	
New Site	0	-	
NOC-Production	1	prod	
SVL-Core	1	prod	
SVI-Lab	3		
	Q       stre       New Site       NOC-Production       SVL-Core       SVL-Core	Q       SITE     Reversion       New Site     0       NOC-Production     1       SVL-Core     1       SVL-Lore     3	Q       SITE     SWITCHES     CONFIGURATION TEMPLATE       New Site     0        NOC-Production     1     prod       SVL-Core     1     prod

- Switch Template (Organization > Switch Templates) ページで、テンプレートを表示しながら[Assign to Sites]機能が使 用できるようになりました
- ポップアップを使用して、テンプレートを目的のサイトに簡単に割り当てる ことができます

SRXサービスステータスの表示

Mist	AMBER'S ORG				WED, 10:47 PM 🔔 🖓 🛞
Monitor	< Gateways : SD	x			▼ Utilities Save Close Φ
Marvis™	551/200				CPU Mamagu Tamp Rot Dills Disc
Clients	SRX300				Cro menory renp roc roos rans
Access Points		4 5 6 7			
Switches	SECURITY SERVICE	S S EWF O IDP O AppSecure			
J Gateways	PROPERTIES	AppSecure	Enabled		
✓ Location	INSIGHTS	Application ID Version 3375	STATUS	Connected	
	LOCATION	not on floor plan	IP ADDRESS	192.168.1.51	_
,	MAC ADDRESS	94:bf:94:ba:xxx	UPTIME	15d 9h 45m	_
Network	MODEL	SRX300	LAST SEEN	10:38:43 PM, May 19	
Organization	VERSION	20.2R1.10			
	DESCRIPTION	-			
	APPLICATION VISIBILITY				
	App Track license is used t and service levels	to collect data for monitoring applications			
	Device HAS an APP 1	Track license			
	Device does NOT have an APP Track license				
	O use site setting for A				
					8

- EWF、EDP、およびAppSecureのサービスステータスインジケーター を追加しました
- 必要なライセンスが存在するかどうか、およびこれらの各サービスのス テータスをすばやく確認できます
- サービスステータスインジケータは、Gatewaysページのポート構成 テーブルのすぐ下にあります



# Thank you

