

SONICWALL

SonicWall and Aruba Integration Guide

Overview

This document serves as a guide for field engineering, customers and channel partners seeking to integrate ClearPass Policy Manager with SonicWall. The integration enables customers to utilize ClearPass identity tracking features for both known enterprise users from Active Directory and LDAP servers and unknown guest/public users in Guest and Hotspot networks. This integration enhances network security and management by leveraging ClearPass capabilities for user identification and access control.

Why Integrate with Aruba ClearPass?

SonicWall next-generation firewalls (NGFWs) offer context-based security for all users for safe enablement of internet access. Integrating with Aruba ClearPass offers several benefits for organizations looking to enhance network security and manage access effectively.

ClearPass helps enforce security policies by ensuring that only authorized devices and users can access the network. It provides visibility into devices connected to the network, allowing organizations to detect and respond to potential security threats.

Integrating with Aruba ClearPass allows organizations to define and enforce access policies based on user roles, device types and other contextual factors. Policies can be dynamically applied and adjusted based on changing conditions, ensuring that security measures are always aligned with the current network environment. Aruba ClearPass can profile devices connecting to the network, identifying their type, operating system and other attributes. Posture assessment ensures that devices meet predefined security standards before being granted access, reducing the risk of compromised or non-compliant devices.

SonicWall and Aruba ClearPass Integration Overview

Aruba ClearPass provides total visibility of connected and connecting users as well as devices in wired and wireless multi-vendor environments.

SonicWall's NGFWs provide Restful Threat API which integrates with Aruba ClearPass as network access control (NAC). ClearPass can pass the security context vectors to SonicWall NGFWs using the Restful Threat API which includes Source IP, Source MAC, User ID, User Role, Domain, Device Category, Device Family, Device Name, OS Type, Hostname and Health Posture. This will enforce real-time rules based on Device Type, OS and device health posture at every point of control. When an alert is generated on a client machine, it can be shared with the SonicWall NGFW using ClearPass, which would trigger a range of predetermined, policy-based actions, from quarantine to blocking. This seamless, automated enforcement can help prevent one compromised machine from becoming a thousand.

INTEGRATION GUIDE

Topology



Software Requirements

The minimum software version required on the ClearPass policy Manager is CPPM 6.10.

The minimum SonicOS version on the SonicWall Firewall is SonicOS 7.1.1, released December 2023.

ClearPass Configuration

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Configuring ClearPass Policy Manager for SonicWall integration is a simple, straightforward process. Step-by-step instructions are outlined in the following sections. The configuration has been separated into several sections.

Create a user named "Jack" to act as a test user in the CPPM portal.





Configuration > Identity > Local Users

It should appear as follows:

← C ▲ Not secure https://10.8.152.67/tips/tipsContent.action#

^ ☆ ⊕ € …

aruba	ClearPass Policy Manager						
B Dashboard	O Configuration » Identity » Local Users	Configuration » Identity » Local Users					
Monitoring	Local Users		🛶 Add				
S Configuration				Export All			
Q Service Templates & Wizards				Account Settings			
- Q Services	ClearPass Policy Manager lists all loca	l users in the Local Users page.					
🖃 🗣 Authentication							
💭 Methods	Filter: User ID 🗸 🗸	contains V Go Clear Filter		Show 20 v records			
Sources	# 📕 User ID 🔺	Name	Role	Status			
Single Sign-On (SSO)	1. auto	auto	[Employee]	Enabled			
-Q Local Users	2. Add Local User		Super Administrator	Enabled			
Endpoints	3. C	10	[Employee]	Enabled			
- 🛱 Static Host Lists	4. C User ID:	Jack	[Employee]	Enabled			
💭 Roles	5. C Name:	Jack	[Employee]	Enabled			
- Q Role Mappings	6. C		[Employee]	Enabled			
Posture Policies	7. C Password:		[Employee]	Enabled			
Audit Servers	8. C Verify Password:		[Employee]	Enabled			
Agentless OnGuard	9. Enable User:	🖾 (Check to enable user)	[Employee]	Enabled			
a 🛔 Enforcement	10. C Change Password:	(Check to force change password on next TACACS+ login)	[Employee]	Enabled			
O Policies	11. C Role:	Super Administrator	[Employee]	Enabled			
Profiles	12.		Super Administrator	Enabled			
T Devices	13. E	Attributes	Super Administrator	Enabled			
Device Groups	14. C	Value	Super Administrator	Enabled			
Proxy Targets	15, C 1. Click to add		Super Administrator	Enabled			
🖉 Event Sources	Showing 1-15			Export Deter			
🛱 Network Scan							
- Q Policy Simulation							
		Add	(
		Add Cancel	A Contraction of the second				

Now, we are logged into ClearPass as a guest user. First, we will create an API Client in ClearPass. The **Administration > API Services > API Clients** page is displayed on the screen. Click **Create Client** on the top-right corner of the screen.

ruba		Clear	Pass Guest			Menu
Guest	• Home » Administration » API Se	rvices » API Clients				
Devices	• API Clients					Create API client
Onboard	•					API Explorer
Configuration	•					O API sample code on Gi
Administration	• The API clients you have defined	d are listed below.				
API Services		1				
API Clients	Filter:	Operating Mode	Grant Types	Access Token	Operator Profile	
SOAP Web Services	A snwl	ClearPass REST API	password refresh_token	20 weeks	Super Administrator	
Aruba Integrations						
Check Security	Snw12	ClearPass REST API	password refresh_token	20 weeks	Super Administrator	
Data Retention	📩 snwl3	ClearPass REST API	password refresh_token	10 weeks	Super Administrator	
Import Configuration Operator Logins	💩 snwl4	ClearPass REST AP1	password refresh_token	8 weeks	Super Administrator	
Plugin Manager	Sonicwall	ClearPass REST API	password refresh_token	10 weeks	Super Administrator	
Support	Back to API services					
	Back to administration					
	Back to main					
	1.0	Create an AP	Client in C	learPass		
		nouto unini	i onorient e	noun acc		



The **Create API Client** page displays.

A sample Client ID and Description have been entered. We will retain the original selection ClearPass REST API option for the Operating Mode. Next, click the option Operator Profile.

aruba		ClearPass Guest				
🐫 Guest	• Home » Administrat	Home » Administration » API Services » API Clients				
Devices	Create API Cl	lient				
Donboard	0					
🔦 Configuration	Use this form to cre	ate a new API client.				
S Administration	0	Create API Client				
API Services API Clients API Clients API Explorer Aruba Integrations Aruba Integrations Check Security Data Retention Extensions Doperator Configuration Pugin Manager Support	* Client ID: Description: Foabled: * Operating Mode: * Operator Profile: * Grant Type: * required field @ Back to API client @ Back to API ser @ Back to administ @ Back to main	FW000001 The unique string identifying this API client. Use this value in the OAuth2 "client_id" parameter. For SonicWall Firewall Use this field to store comments or notes about this API client. ClearPass REST API - Client will be used for API calls to ClearPass Select the purpose of this API Client. (Select an operator profile) (Select an OAuth2 grant type) Only the selected authentication method will be permitted for use with this client ID. Create API Client Client Client Select and Client Client Client Selected authentication method will be permitted for use with this client ID. Create API Client				
© Copyright 2023 Hewlett Packard Ente	rprise Development LP		ClearPass Guest 6.10.0.180076 on CLABV platform			



All the existing profiles are listed. In this example, we will select a profile that has the highest authority. In the drop-down list, click Super Administrator.





Next, click the option **Grant Type**.

To enable connection between the SonicWall NGFW and ClearPass, select Username and password credentials from the list.





In the **Public Client** area, select the check box for the option **This client is a public (trusted) client**.

Next, you can update the **Access Token Lifetime** and **Refresh Token Lifetime** according to your organization's requirements.

aruba		ClearPass Guest	Menu
Guest	• Home » Administration	» API Services » API Clients	
Devices	Create API Clien	t	
Onboard	0		
Configuration	Use this form to create	a new API client.	
Administration	•	Create API Client	
API Services	* Client ID:	FW000001 The unique string identifying this API client. Use this value in the OAuth2 "client_id" parameter.	
API Explorer	Description:	For SonicWall FireWall Use this field to store comments or notes about this API client.	
Aruba Integrations	Enabled:	Enable API client	
Data Retention Extensions	* Operating Mode:	ClearPass REST API - Client will be used for API calls to ClearPass Select the purpose of this API Client.	
More than the second seco	* Operator Profile:	Super Administrator The operator profile applies role-based access control to authorized OAuth2 clients. This determines what API objects and methods are available for use.	
Q Plugin Manager	* Grant Type:	Username and password credentials (grant_type=password) Conly the selected authentication method will be permitted for use with this client ID.	
	Refresh Token:	Allow the use of refresh tokens for this client An OAuth2 refresh token may be used to obtain an updated access token. Use grant_type=refresh_token for this.	
	Public Client:	This client is a public (trusted) client Dublic client base as client except	
	Access Token Lifetime:	8 hours Specify the lifetime of an OAuth2 access token.	
	Refresh Token Lifetime:	14 days Specify the lifetime of an OAuth2 refresh token.	
		Create API Client 🛞 Cancel	
	* required field		
	Back to API clients		
	Back to API service	s	
	Back to administrat	tion	



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Sample selections have been made for the context of this example. To submit the API Client settings, click the button **Create API Client**.

The API Client for the SonicWall NGFW has been successfully created. Note that a user with the **Super Administrator** profile is required to enable communication between the NGFW and ClearPass.





Configuring the SonicWall NGFW

SonicOS provides Restful Threat API which supports Aruba ClearPass as NAC to integrate with SonicWall NGFWs. ClearPass can pass security context vectors including Source-IP, Source-MAC, User-ID, User-Role, Domain, Device-Category, Device-Family, Device-Name, OS-Type, Hostname and Health-Posture to SonicWall NGFWs to build policies for mitigation actions.

Enabling NAC on the NGFW

Login to the Firewall, browse to **Device > Network Access Control > Settings**.

SC	DNICWALL	4	• НОМЕ	MONITOR		K NETWORK	OBJECT	POLICY	
	SonicOS 7 1 1-7040	C 2CB8EDA2CA	9C [🖻 Primary	• ACTIVE] /	Device / Netwo	ork Access Control	/ Settings		
FIREV	/ALL	Clearpass							
5	Settings								
—	Licenses	Clearpass Set	tings JSON	Web Token	Clearpass Serve	ers			
-	Administration								
-	Time	CLEARPASS	SETTINGS						
-	Certificates	e.							
: 	SNMP						Enable Clearpass		
-	Firmware and Settings					Query User Rol	le Interval(hours)	1	Query Now
-	Storage					1	ast Query Status	Success	
	Restart						Last Query Status	01/11/2024 18:44:06:000	
<u> </u>	High Availability						Last Query at	01/11/2024 10.44.00.000	
•	Hears						Number of Roles	26	
							(Cancel)	Accept	
	AppFlow								
a	Network Access Control								
	Settings								
	Sessions								



Generate a JSON Token on the NGFW and apply this token into Aruba ClearPass Policy Manager (CPPM).

Navigate to the JSON Web Token and Click on **Generate JWT**.

Copy the token.

CB8ED6CA968 / Device / Network Access Control / Settings								
Clearpass								
Clearpass Settings Json Web Token	Clearpass Servers							
JSON WEB TOKEN								
	Token Expires in (Days)	30	Accept					
	Generate Token Name	admin	Generate JWT					
		eyJhbGciOiJIUzI1NiIsInR5cCl IjoiYWRtaW4ifQ.mpQjkxzpd sQo1tCVMfRNvYf6lLo	6lkpXVCJ9.eyJuYW1l eSIWPtocYVTtmebk					
		copy the token and s	stored locally					

Apply this token into Aruba CPPM:

Navigate to **Administration > Dictionaries > Context Server Actions**, edit and replace the token with the newly generated one here.

	Action	Head	er	Content	Attributes				
Sp	Specify the key-value pairs to be included in the HTTP Header -								
#	Header #Name Header Value								
1.	Authori	zation	=	Bearer eyJhbGci0	DiJIUzI1NiIsIn	R5cCI6IkpXVCJ9.eyJuYW1lIjoiYWRtaW4ifQ.1yEUn_e5			
2.	Click to add								

Creating Local Users on CPPM

Navigate to Configuration > Identity > Local Users, create a Super Administrator with the username "xxx" and password "xxx" for SonicWall, example below:

User ID:	test
Name:	test
Password:	••••••
Verify Password:	••••••
Enable User:	✓ (Check to enable user)
Change Password:	\Box (Check to force change password on next TACACS+ login)
Role:	Super Administrator 🗸



Creating Profiles on CPPM

Navigate to **Configuration > Enforcement > Profiles** and add an **Enforcement Profile** as shown below:

Configuration » Enforcement » Profiles » Edit Enforcement Profile - post to sonicwall

Enforcement Profiles - post to sonicwall

Summary	Profile	Attributes
Profile:		
Name:		post to so
Description:		
Type:		Post_Auth
Action:		
Device Group	List:	-

Attributes:

	Туре	Name		Value
1.	Session-Notify	Server Type	=	Generic HTTP Context Server
2.	Session-Notify	Server IP	=	10.8.152.182
з.	Session-Notify	Logout Action	=	sonicwall logout-Emily
4.	Session-Notify	Login Action	=	sonicwall login-Emily

Creating Policies on CPPM

Navigate to Configuration > Enforcement > Policies, add Enforcement Policies as shown below:

Configuration » Enforcement » Policies

Enforcement Policies

Add 3 new policies, 802.1x, health check and web authentication

ClearPass controls network access by evaluating an enforcement policy associated with the service.

please check details in CPPM server 10.8.152.67

Filter:	Name	✓ contains ✓	+	Go Clear Filter Show 20 v records
#		Name 🔺	Туре	Description
1.		802.1x authentication	RADIUS	
2.		[Admin Network Login Policy]	TACACS+	Enforcement policy controlling access to Policy Manager Admin
з.		[AirGroup Enforcement Policy]	RADIUS	Enforcement policy controlling access for AirGroup devices
4.		[Aruba Device Access Policy]	TACACS+	Enforcement policy controlling access to Aruba device
5.		[Device Registration Disconnect]	WEBAUTH	Enforcement policy to disconnect devices from network
6.		[Guest Operator Logins]	Application	Enforcement policy controlling access to Guest application
7.		health check	WEBAUTH	Enforcement policy to disconnect devices from network
8.		[Insight Operator Logins]	Application	Enforcement policy controlling access to Insight application
9.		[Sample Allow Access Policy]	RADIUS	Sample policy to allow network access
10.		[Sample Deny Access Policy]	RADIUS	Sample policy to deny network access
11.		Web authentication	RADIUS	



📥 Add

🔒 Import

Export All

Now, let's add the ClearPass Server in the SonicWall NGFW. The **ClearPass Servers** tab of **Device > Network Access Control > Settings** page is displayed on the screen. On the page, click **Add** in the top-right corner of the screen.

SONICWALL		ITOR 📮 DEVICE 🧏 NETWORK	📦 object 🔏 Policy	🕸 🖂 💐 🥲 🗴 🕰
	FW000001 / Device / Network Acces	s Control / Settings		Configuration 💽 Non-Config
FIREWALL	Clearpass			
Settings	_			
🞬 High Availability	Clearpass Settings JSON Web To	ken Clearpass Servers		
🚊 Users				+ Add 🍵 Delete 🖏 Refresh
AppHow	□ NAME	PORT	CLIENT ID	USER NAME
Network Access Control	No Data			
- Settings	Total: 0 item(s)			
— Sessions				
E Log				
🔎 Diagnostics				
EXTERNAL CONTROLLERS				
Switch Network				
🚣 Access Points				
S www				
	3. Add	a ClearPass Se	rver in SonicWall firev	vall



The various fields have been filled out for the purpose of this example. In the **Server Name or IP address** area, we entered the **ClearPass Policy Manager** IP address. In this example, the **Server Port** will be the default port 443. The **Client ID** is the one that was created in ClearPass. The **Username** and **Password** we configured for the **Client ID** have been entered in their respective fields. Click **Close**.

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	FW000001 / Device / Netv	vork Access Control / Settings		Configuration 🔵 Non-Config
FIREWALL	Clearpass			
Settings				
High Availability	Clearpass Settings 1S(2N Web Token Clearpass Servers		
🙎 Users				🕂 Add 🖀 Delete 🚫 Refresh
AppFlow		PORT	CLIENT ID	USER NAME
Access Control	No Data	Add Server		
— Settings (— Sessions	Total: 0 item(s)	Add Server		
Log		_		
Diagnostics		Server Name or IP address	10.8.152.67	
EXTERNAL CONTROLLERS		Server Port	443	
Switch Network		Client ID	FW000001	
🚣 Access Points		User Name	Jack	
MWWAN		Password		
			C1050	



Notice on the screen that the **ClearPass Server** has been successfully added.

SONICWALL	モ ТZ 670 🕝 НОМЕ 湔	MONITOR 📕 DEVICE 🔀 NETWORK	DBJECT 🌾 POLICY	🏕 🖂 💐 🥲 🔍 🗛
	FW000001 / Device / Network	Access Control 7 Settings		Configuration 🔵 Non-Config
FIREWALL	Clearpass			
Settings	_			
🞬 High Availability	Clearpass Settings JSON V	Veb Token Clearpass Servers		
🙎 Users				+ Add 🍵 Delete 🔇 Refresh
AppFlow	NAME	DODT	CLIENT ID	LICED NAME
A Network Access Control	10.8.152.67	443	FW000001	Jack
— Settings 🤇				
- Sessions				
0 Disconsciller				
EXTERNAL CONTROLLERS				
Switch Network				
Access Paints				
M WWAN				
	Total: 1 item(s)			

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SonicOS will automatically generate a default ClearPass Access Control Policy and relevant ClearPass Group Objects when ClearPass is enabled in the firewall.

The **Policy > Rules and Policies > Access Rules** page is displayed on the screen. The firewall automatically creates a **ClearPass Deny Policy** for the traffic from the endpoint in **Threat_Default_SrcIP_Group**. This indicates that the Aruba wireless client traffic will be blocked if the rule is matched.

Note that the default ClearPass policy is editable. You can also customize a new ClearPass policy according to your organizational requirements.

	ψ	Q		Both	*	IPv4 🖤 🔛	All Zones	-> All Zones	Both 💌 i	Both 🔻		Max Co	unt 🔊 Reset	Rules 🛛 🗃 Settings	🗏 List 🗠
ules and Policies						GENERAL		Z	DNE		RESS	SERVICE		USER	SCHEE
cess Rules			P. 🔶	HITS		NAME	ACTION	SOURCE ZONE	DESTINATION	SOURCE ADDRE	DESTINATION A.	DESTINATION P	USER INCL.	USER EXCL.	SCHEDULE
AT Rules outing Rules		۲	I (4)	-	D	Network Access Control Default Policy_402	8	Алу	Any	Threat_Default_Sr clp_Group	Any:	Any	All	None	Always
ntent Filter Rules		•	2 (M)	4	0	Rule 4	0	LAN	LAN		Management IP	Ping	All	None	Always
ip Rules	•	۲	3 (M)	<u>.</u>	0	Default Access Rule_5	0	LAN	LAN	Any	All X0 Management IP	HTTPS Management	All	None	Always
dpaint Rules	I 🗆	•	4 (M)	-	0	Default Access Rule_6	0	LAN	LAN	Any	All X0 Management IP	HTTP Management	All	None	Always
4-SSL	•	۲	5 (A)	-	0	Default Access Rule_7	8	LAN	LAN	Any	LAN Interface IP	SSLVPN	All	None	Always
1-SSH	•	۲	6 (M)	2	1	Default Access Rule_8	0	LAN	LAN	Any	Any	Any	All	None	Always
surity Services	•	•	7 (M)	<u>.</u>	13.6k	Default Access Rule_9	0	LAN	WAN	Any	Anγ	Any	All	None	Always
ti-Spam	•	٠	8 (M)	-	0	Default Access Rule_10	0	LAN	DMZ	Any	Any	Any	All	None	Always
oture ATP	•	Þ	9 (M		â	Default Access Ruit_11	0	LAN	VPN	WAN RemoteAccess Networks	Any	Any	Alt	None	Always
IS Security	•	۲			U	Default Access Rule_12	0	LAN		WLAN RemoteAccess Networks	Any	Any	All	None	Always
dpoint Security	II 🗆	۲	12 (M)	-	0	Default Access Rule_14	0	LAN	WLAN	Any	Any	Any	All	None	Always
	•	۲	13 (M))	0	Default Access Rule_21	8	WAN	LAN	Any	Any	Алу	All	None	Always
	i 🗆	•	14 (M)	-	0	Default Access Rule_22	0	WAN	WAN	Any	All X1 Management IP	Ping	All	None	Always
		۲	15 (M)		0	Default Access Rule_23	0	WAN	WAN	Any	All X1 Management IP	SSH Management	All	None	Always
	<u>1</u> ()	+	16	-	183.4k	Default Access	0	WAN	WAN	Any	All X1 Management ID	HTTPS	All	None	Always
							C	learD	ace D	ony Do	Niov				/ays

The **Address Groups** tab of **Object > Match Objects > Addresses** will have the default objects that have been automatically created when ClearPass is enabled in the NGFW.

Search View: All View: All II GROUP NAME Threat_Mac_Quarantine Threat_Mac_Infected Threat_Mac_Healthy Threat_Mac_Healthy	Pv4 & IPv6 💌 DETAILS	түре	+ Add 🖀 E	Delete 🔞 Resolve All	중 Purge All 🖏 Ret	iresh 🚓 Colum
GROUP NAME Threat_Mac_Quarantine Threat_Mac_Infected Threat_Mac_Healthy Threat_Date_Healthy	DETAILS	түре	IP VERSION			
Threat_Mac_Quarantine Threat_Mac_Infected Threat_Mac_Healthy	8		. Faiturert	ZONE	CLASS	REFERENCES
Threat_Mac_Infected Threat_Mac_Healthy		Group	mixed	-	Default	
Threat_Mac_Healthy	£	Group	mixed	÷	Default	P
Thread Default Mac Genue	×	Group	mixed	×	Default	(A)
Inreat_Derault_Mac_Group	*	Group	mixed	*	Default	
All SonicPoints	ž.	Group	mixed	-	Default	Ð
All Authorized Access Points	×	Group	mixed	×	Default	A
X9 Management IPv6 Addresses	*	Group	ірv6	8	Default	
X9 IPv6 Addresses		Group	ipv6	ž	Default	(pa)
X8 Management IPv6 Addresses	÷	Group	ipv6	-	Default	Þ
X8 IPv6 Addresses	ā	Group	іруб	~	Default	
X7 Management IPv6 Addresses	5	Group	ipv6		Default	8
2 X7 IPv6 Addresses	*	Group	іруб		Default	
X6 Management IPv6 Addresses	2	Group	іруб	A	Default	
X6 IPv6 Addresses	2	Group	ipv6	×	Default	Ð
5 X5 Management IPv6 Addresses	N	Group	ipv6		Default	Ð
5 X5 IPv6 Addresses	N	Group	іриб	-	Default	
X4 Management IPv6 Addresses	÷	Group	ір∨б	-	Default	
	ClearPass Obj	jects				
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There are 14 **ClearPass Group Objects** which are created. These groups are categorized into six postures that ClearPass defines for an endpoint. These are **Healthy**, **Checkup**, **Transient**, **Quarantine**, **Infected** and **Unknown**. When the client device is connected and posted to the firewall, the MAC and IP addresses of the device will be updated into the relevant objects based on its posture.

- Healthy Client is compliant. There are no restrictions on network access.
- Checkup Client is compliant, but there is an update available. This can be used to proactively remediate to a healthy state.
- **Transient** Client evaluation is in progress. This is typically associated with auditing a client. The network access granted is interim.
- Quarantine Client is out of compliance. Restrict network access so the client only has access to the remediation servers.
- Infected Client is infected and is a threat to other systems in the network. Network access should be denied or severely restricted.
- **Unknown** The posture token of the client is unknown.

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	FW00000	01 / Object / Match Objects /	Addresses				Config	uration 🔘 Non-Config
	Address	Objects						
Match Objects	Address	Address Group	13					
— Zones	\$ Q TI	hreatView:	Ali 💌 IPv4 & IPv6 💌		+ Add 🝵	Delete 🔞 Resolv	e All 🔬 Purge All 👸	Refresh 🗱 Columns
 Addresses Services 	Applied Colum	hn Filters SEARCH Threat_ ×						
— URI Lists	0.	GROUP NAME	DETAILS	TYPE	IP VERSION	ZONE	CLASS	REFERENCES
- Reputation	→ 1	Threat_Mac_Quarantine	*	Group	mixed	×	Default	ß
Match Objects Schedules	> 2	Threat_Mac_Healthy	*	Group	mixed	8	Default	Ð
Dynamic Group	> 3	Threat_Srclp_Unknown	*	Group	ipv4		Default	Ð
— Email Addresses	> + 4	Threat_SrcIp_Transient	*	Group	ipv4		Default	ß
 Device Profiles 		Threat_SrcIp_Quarantine		Group	ipv4	÷.	Default	ß
	> 6	Threat_SrcIp_Infected	÷)	Group	ipv4		Default	A
	> 7	Threat_Srclp_Healthy	*	Group	ipv4		Default	ß
		Threat_SrcIp_Checkup	2	Group	ipv4	*	Default	e
		Threat_Mac_Unknown	8	Group	ipv4	*	Default	Ð
	► 10	Threat_Mac_Transient		Group	ipv4		Default	ß
	> 11	Threat_Mac_Infected	*	Group	ipv4		Default	
	12	Threat Mac Checkun	÷.	Group	inv4		Default	A
	> 13	Threat_Default_Srclp_Group		Group	ipv4		Default	ß
	1 A 14	Threat Default Mac Group		Crewn	inut		Default	P



Conclusion

Aruba ClearPass in conjunction with SonicWall can provide administrators with full context and visibility about the users and devices on the network to deliver end-to-end safe application enablement.



About SonicWall

SonicWall is a cybersecurity forerunner with more than 30 years of expertise and a relentless focus on its partners. With the ability to build, scale and manage security across the cloud, hybrid and traditional environments in real time, SonicWall can quickly and economically provide purpose-built security solutions to any organization around the world. Based on data from its own threat research center, SonicWall delivers seamless protection against the most evasive cyberattacks and supplies actionable threat intelligence to partners, customers and the cybersecurity community.

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