Export firewall rules from Panorama into PDF/CSV

Exporting rules into a CSV/PDF could make it easier to sort/filter, as the filter on Panorama has tricky-to-learn syntax.

1.) Log into Panorama. In the upper-left hand corner beneath the UW-Madison logo, there is a drop down. Click the drop down, then select the firewall of your choice.

	ACC Monitor	Ć	odec	ſ	🐣 Commit 🗸 💣 🗔	Config v 🔍 Se
Context Panorama Filters	Device Group SMPH	_	V		Manual 10 items 🗨 🗶 👩	× - s
 Platforms Device Groups Templates Tags ✓ HA Status active (5) passive (5) 	Animal-Primary CSSC-Standby fp-arborgate-pri fp-ctri-mke-aurora-standby		Animal-Standby DataCenter-Primary fp-arborgate-stby		CSSC-Primary DataCenter-Standby fp-ctri-mke-aurora-primary	To Port

2.) Once the page has loaded, click on the Policies tab, and in the left-hand panel click on Security.

	Dash	board	ACC	Monitor	Policies	Objects N	Vetw
Animal-Primary	~		system SMPH	-ANIMAL (vsys2)	V		
L Security	0	.	Name			Tags	
Application Override		1	Allow to C	Campus DNS-NO S	SYSLOG	none	
Se Authentication		2	OK-OUTB	OUND-ICMP		none	
E DoS Protection		3	OK-INBO	JND-ICMP		none	
		4	DENY-TO	BAD-ADDRS		none	
		5	DENY-TO	BAD-MULTI-ADD	RS	none	
		6	DENY-TC	P-ICMP-TO-CLASS	-D-AND-E	none	
		7	Campus F	ling		none	

3.) If you know what VLAN number you're trying to view, type the VLAN in the search bar in the <VLAN_number>--firewall> format (e.g. 822-ANIMAL), then hit enter. Once the rules have filtered, find the zone that corresponds with the VLAN, and click and drag the **Tag** up to the search bar. You will see the zone filter automatically populate. Delete the VLAN you typed earlier, and then press enter.

822-animal							
	Name	Tags	Туре	Zone	Addre		
1135	fc-622-Rule 7-c	OUT-SMPH-BIO	universal	M SMPH-BIOST	🤙 N-		
		OUT-SMPH-BIO		MPH-BIOST	🤙 N-		
		OUT-SMPH_IS		M SMPH-IS_CLI	🤙 N-		
		OUT-SMPH_IS		MPH-IS_SV	🤙 N-		
		Cleanup					
1138	Vlan 822-Rule 42	IN-SMPH-BIOSTA	T SRV-822-AN		🧏 Н-		
1139	Allow Syslog to Servers	IN-SMPH-BIOS	universal		🤙 N-		
1140	Vian 822-Allow TCP 4506	IN-SMPH-BIOS	universal	any	🤩 N-		
1141	Vlan 822-Rule 43	IN-SMPH-BIOS	universal	any	🔙 н-		
1142	Vlan 822-BIOVPNClient_IN	IN-SMPH-BIOS	universal	any	🥞 bio		
1143	Vlan 822-Rule 62	IN-SMPH-BIOS	universal	any	😋 bio		

Virtual System SMPH-ANIMAL (vsys2)						
(tag/mem	ber eq 'IN-SMPH-BIOSTAT_SRV-822-ANIMAL')			37.		
	Name	Tags	Туре	Zone		
1138	Vlan 822-Rule 42	IN-SMPH-BIOS	universal	any		
1139	Allow Syslog to Servers	IN-SMPH-BIOS	universal	any		
1140	Vian 822-Allow TCP 4506	IN-SMPH-BIOS	universal	any		
1141	Vlan 822-Rule 43	IN-SMPH-BIOS	universal	any		
1142	Vlan 822-BIOVPNClient_IN	IN-SMPH-BIOS	universal	any		
1143	Vlan 822-Rule 62	IN-SMPH-BIOS	universal	any		
1144	Vlan 822-Rule 65	IN-SMPH-BIOS	universal	any		
1145	Vlan 822-globus	IN-SMPH-BIOS	universal	any		

4.) Now that we have the rules filtered correctly, it's time to export them. Near the bottom of the screen is a line of text with an icon that says **PDF/CSV**. Cli ck that icon to open the Export menu.

				N-146.151.222
	IN-SMPH-BIOS	universal	any	🕞 G-UW-Madison
	IN-SMPH-BIOS	universal	any	State N-128.104.134
				Sea N-128.104.206
				🔙 N-144.92.164.6
•	IN-SMPH-BIOS	interzone	any	any
🕑 Enable	💿 Disable 🛛 Mo 🗧 🛨	🔂 PDF/CS	V 📕 Highlight Unuse	d Rules Reset Rule
				📼 Active 🚦

				-				
E	xport						0	pracle
cti	File Name	export_policies_security_rulebase_09152021_C	Description Enter	Report Desc	ription			acces
L	File Type	CSV						.23
L.								.24
L.	Page Size	Letter						.59 a-acce
	(tag/memb	er eq 'IN-SMPH-BIOSTAT_SRV-822-ANIMAL')				37/2646 🔿	×	
Г						Source		
		Name	Tags	Туре	Zone	Address	Use	n
Г	1138	Vlan 822-Rule 42	IN-SMPH-BIOS	universal	any	Seg H-144.92.164.73		
н	1139	Allow Syslog to Servers	IN-SMPH-BIOS	universal	any	N-128.104.140.128-25	1	
L	1140	Vlan 822-Allow TCP 4506	IN-SMPH-BIOS	universal	any	S N-128.104.140.128-25		iets 3.221
il.	1141	Vlan 822-Rule 43	IN-SMPH-BIOS	universal	any	S H-128.104.73.146		
oe op	1142	Vlan 822-BIOVPNClient_IN	IN-SMPH-BIOS	universal	any	iostat-vpn-clients		.90 ients
d •			h		•	1_	> -	ients
d i d i	Show All Colu	<u>umns</u>				Export Can	el	9.85 2.79

5.) From here, we can further filter the rules (or delete the filter completely and try a different filter), and select between CSV and PDF. Once you have your set choices, click **Export** to download your filtered rules.

Export		
File Name	export_policies_security_rulebase_09152021_0	De
File Type	CSV ~	
Page Size	CSV PDF	
(tag/memb	er eq 'IN-SMPH-BIOSTAT_SRV-822-ANIMAL')	

If you want to try your hand at filtering the rules using other methods, this link from Palo Alto shows the entire list of functions available for Rules searches.