Steps to create a SD WAN Zone

Context

FortiGate VM64 FW3	_254				Q + >_ []	0.	A 🔹 🔝 admin-		Device Manager ~	Devi	œ&G	oups Firmware	License Prov	isioning	Templates 🚦 🗸	ADOM: root	□ @ >- A O (🕘 admin
Dashboard	>								Add Device 🖀 Device	Group ~	Inst	all Wizard 🗙 Too	ls 🗸 🖽 Table V	/iew 🗸				
🔆 Security Fabric	>	E.FortiGate VM64 1 3 5 7		10					Managed Devices	- 4	∱ FV	/3_254 System :	Interface Route	r 🗐 Disp	olay Options			
+ Network	v								Logging Devices		+	reate New 🗸 🛛	Edit 🛱 Dele	e OW	here Used 🖌 Collapse All 🚦 🗸	6 -		
Interfaces	습	2400	20 12 14 10 18 20 22	67				2	Test	883	0	Name	Туре		Normalized Interface		Addressing Mode	IP/Neta
DNS		+ Create New * / Edit	Delete Search			Q	🖀 Group By Type •					- Physical (7)						1
Packet Capture						_						port1	Physical				DHCP	172.17
SD-WAN Zopes		Name 🗢	Type 👳	Members 9	IP/Netmask 9		Administrative Acces	s				port2	Physical				Manual	10.0.2
SD THAT LORES		Physical Interface 10									0	port3	Physical				Manual	0.0.0.0
SD-WAN Rules		🗃 port1	Physical Interface		172.17.96.180/255.255.2	254.0	PING				0	port4	Physical				Manual	0.0.0.0
Performance SLA			mb and				HTTPS	.			0	port6	Physical				Manual	0.0.0.0
Static Routes			vvecan	see that F	ortigate FVV3	254	and Fortima	ana	ger			port7	Physical				Manual	0.0.0.0
Policy Routes			6	already ha	ve SD WAN Inte	erfac	ces created				0	Turnel (1)						
RIP			I Dhusias I takanfara		10.0.0.054/065.055.055		Pilling.	ŧ.,				ssl.root (SSL VPN	interf @ Tunnel				Manual	0.0.0.0
OSPE		port2	m Physical Interface		10.0.2.234/233.233.233		HTTPS	ι.			0	- SD-WAN Zone	(4)					
BCD							SSH	ι.		-		virtual-wan-link	SD-WA	4 Zone				
DGP							HTTP	ι.		- 1	0	SDWAN_Zone	SD-WA	Zone	SDWAN_Zone			
Multicast							FMG-Access			- 1	0	port9	Physical	17			Manual	0.0.0.0)
System		🞽 port3	Physical Interface		0.0.0/0.0.0.0					_	0	newsowanzor	District	1 Zone	E NEWSDWANZONE_portto		Magural	0000
Policy & Objects	>	m port4	Physical Interface		0.0.0/0.0.0.0			48	Search	Q.		SDWAN port8	SD-WA	N Zone	SDWAN port8		Prist Burds	0.0.0.0
Security Profiles	>	m port5	Physical Interface		0.0.0.0/0.0.0.0				FGT1	- 1		port8	Physical				Manual	0.0.0.0
I VPN	>	m port6	Physical Interface		0.0.0.0/0.0.0.0				III FGTVM									
User & Authentication	>	sport7	Physical Interface		0.0.0.0/0.0.0				FW3_254									
WiFi & Switch Controller	>	i port8	Physical Interface		0.0.0.0/0.0.0.0			1										
M Log & Report	>	m port9	Physical Interface		0.0.0.0/0.0.0.0													
		🗃 port10	Physical Interface		0.0.0.0/0.0.0			1										
		🖻 🗟 SD-WAN Zone 🙆		-									a	B				
		S NEWSDWANZONE_port10	SD-WAN Zone	port10	0.0.0.0/0.0.0.0								0		ANZONEO			
		SDWAN_port8	SD-WAN Zone	port8	0.0.0.0/0.0.0.0								lh	erf	acesalread	7		
		SDWAN_Zone	SD-WAN Zone	port9	0.0.0.0/0.0.0.0	-		T						1	areafed			
		virtual-wan-link	SD-WAN Zone		0.0.0.0/0.0.0.0													

On this case, port 7 does not exist on FMG ADOM Layer

FortiGate VM64 FW3					Q->_ [] ()	- 🗛 🔝 admin-	Policy & Objects ~ Po	licy Pa	ckages 1	Object Configurations			ADOM: root 💠 🔞	斗 🗛 🚺 admin
🙆 Dashboard	>	EntiCata VM64 1 3 5 7	9 11 13 15 17 19 21	22			ADOM Revisions Ø Tools	¥						
🔆 Security Fabric	>			1			Normalized Interface ~	+	Create N	ew 🗹 Edit 💼 Delete	A Collap	‡ More 🗸	the view √	c
+ Network	~	2468	10 12 14 55 18 20 22	24			Normalized Interface	0	1	Normalized Interface	Mapping Ruk			Created Time
Interfaces	- 12						Virtual Wire Pair	0	1	any any		ADOM La	ayer	
DNS		+ Create New • / Edit 🔋	Delete Search		Q	📓 Group By Type *	▲ Firewall Objects >	0	2	sslvpn_tun_intf				
Packet Capture	-	Name 🕈	Type 🕆	Members 0	IP/Netmask 🕸	Administrative Acces	Security Profiles >		3	Virtual-wan-link				
SD-WAN Zones		B B Obseical Interface (1)					* Fabric Connectors >		4	✓ □ Import_sdwan_pd				2020-11-26 11:55:14
SD-WAN Rules	- 6				170 17 0/ 100/055 055 051 0	Page 1	▲ User & Authentication >				Default	port9		
Performance SLA		port1	m Physical Interface		1/2.1/.90.100/200.200.204.0	HTTPS	♥ WAN Optimize >		5	~ D NEWSDWANZO	1		SDWAN Zone	2020-11-26 12:09:08
Static Routes						SSH	di Dynamic Object >	0			Default	NEWSDWANZONE_po		
Policy Routes						HTTP FMC Access	B Advanced >	0	6	✓ X Normalized_Port8				2020-11-26 12:40:54
RIP			W the sized interstore		40.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	FMG-Access	O CLI Only Objects >	U			Per-device (FW3_254	(port8		
OSPF		port2	m Physical Interface		10.0.2.234/233.233.233.0	HTTPS		0	7	as * Normalized part	Deraut	Normalized_Ports		2020-11-26 12:00-10
BGP						SSH		0	1.	· · · · · · · · · · · · · · · · · · ·	Per-device (EW3 254	(port10		2020-11-20 12:00:17
Multicast						HTTP			8	SDWAN Zone	the sense p mojast	(partic	SDWAN Zone	2020-11-26 11:55:14
Ø System			· Ob sizel interfere			FMUMCUES		0			Default	SDWAN Zone		
Policy & Objects		e porta	Physical Interface		weca	n see port /	does not exist on	0	9	~ SDWAN_port8			SDWAN Zone	2020-11-26 12:42:55
Security Profiles		port4	Physical Interface		0.0.0/0.000	FMG'ADC	DM Layer				Default	SDWAN_port8		
D VPN	<u>_</u>	port5	Physical Interface		0.0.0/0.0.0				10	~ VLAN101			FortiSwitch VLAN inte	2020-04-16 08:38:00
Liter & Authentication		im port6	Physical Interface		0.0.0/0.0.0						Default	VLAN101		
WEELE Switch Controller		im port7	Physical Interface		0.0.0.0/0.0.0.0				11	→ 🕊 internal2				2020-11-24 15:38:24
Wirid Switch Controller		🚔 port8	Physical Interface		0.00.0/0.000						Per-device (FGT1 (roo	t internal2		
an cog or nepore	÷	port9	Physical Interface		0.0.0.0/0.0.0.0						Default	internal2		
		port10	Physical Interface		0.0.0.0/0.0.0.0				12	✓ ¥ internal3				2020-11-24 15:38:46
		🗉 🗟 SD-WAN Zone 🐵			lone	of the reas	ons could be that	0			Per-device (FGT1 (roo	t internal3		
	1	REWSDWANZONE_port10	SD-WAN Zone	port10	0.0.0.0/0.0.0 Dollov	ackageha	van't been importe	1			Default	internal3	CONTRACT CONTRACT	2022 04 10 12 41 04
		SDWAN_port8	SD-WAN Zone	E port8	0.0.0.0/0.0.0.0	Jackagena	ventibeenimponte		14	vnomer test hab			VPN manager auto-see	2020-04-1017:4136
		SDWAN_Zone	SD-WAN Zone	m port9	0.0.0/0.0.0.0	on this Forti	manager yet)	0	15	vonmer test mes			VPN manager auto-ge	2020-07-28 07:36:35
		🔹 virtual-wan-link	SD-WAN Zone		0.0.0.0/0.0.0.0			0	16	vpnmgr test soo			VPN manager auto-ge	2020-07-28 07:36:35
		🤹 virtual-wan-link	SD-WAN Zone		0.0.0.0/0.0.0				16	vpnmgr_test_spo			VPN manager auto-ge	2020-07-28

Policy & Objects ~	Policy Packages Object Configura	itions	ADOM	: root 💠 💿 😕 🚇 :
ADOM Revisions O To				
Normalized Interface 🛩	Create New Normalized Interfact	e		
Normalized Interface	Name	Normalized post7		
Virtual Wire Pair	Description	Normanzed_party.		
B Firewall Objects >				
Security Profiles >		-		0
S Fabric Connectors >		e	reate Normalized Ir	iterface with
User & Authentication >	Color		r-Device Mapping.	We can call it
♥ WAN Optimize >		"N	ormalized_port/" to	differenciate
Dynamic Object	Per-Platform Mapple		with the incoming	interfaces
Advanced >	+ Create New Edit	Delete Column Settings		
CLI Only Objects >	C # Name		Device Interface Name	Shaping Profile
	< Per-Device Mapping Per-Device Mapping	Per-Device Mapping Mapped Device Mapped Interface Name Shaping Profile	FW3_254(root) port7 OFF OK	Cancel

Per-Device Mapping

+ Cr	reate New 🗹 Edit 前	Delete				Q
	Mapped Device	Details	Туре	Addressing Mode	IP/Netmask	
	FW3_254(root)	🕎 port7	Physical	Manual	0.0.0.0/0.0.0.0	
<						≥

€.	Device Manager	~ 1	Nevice 8	Groups Firmware	License Provisioning	Templates 🚦 🗸	ADOM: root 💠 🗇 >- 4	🔉 🕗 admin 🗸	Policy & Objects 🗸 🛛 F	olicy Pa	ackages O	bject Configurations		ADOM: root	: @ 2 40 [admin
	Add Device E Dev	vice Gro	ip 🗸	🕹 Install Wizard 🗙 T	íools 🗸 🔠 Table View 🗸	,			ADOM Revisions & Too	s 🗸						
-	Managed Devices		4	FW3_254 System : I	nterface Router 🖃 Disp	olay Options			Normalized Interface V	+	Create Nev	v 🗹 Edit 📋 Delete 🖌 Colla	pse All 💪 🗸 🚦 More 🗸	👁 View 🗸		
-	Logging Devices		13	+ Create New ~ 🗹	Edit 🖞 Delete 🔎 W	here Used 💉 Collapse All 🚦 🗸	· 6 -	Q	Normalized Interface		,	Normalized Interface	Mapping Rule	Mapped Interface/Zo	n Description	Creat
8	Test		2 (Name	Туре	Normalized Interface	Addressing M	Aode IP/Netmask	Virtual Wire Pair		1	any any				
			C	🔍 🔻 Physical (7)					Firewall Objects >		2	sslvpn_tun_intf				
			C	port1	Physical		DHCP	172.17.96.1	Security Profiles >		3	virtual-wan-link				
			0] port2	Physical		Manual	10.0.2.254/	Fabric Connectors		4	V D Import_sdwan_port9				2020
				j port3	Physical Disasteral		Manual	0.0.0.0/0.0	Liker & Authentication				Default	port9		
			-	port4	Physical Physical		Manual	0.0.00/0.00	Contraction >		5	V NEWSDWANZONE port	1		SDWAN Zone	2020
			0	portó	Physical		Manual	0.0.0/0.0/	WAN Optimize			_	Default	NEWSDWANZONE n	0	
				2 port7	Physical	Mormalized_port7	Manual	0.0.0/0.0	nh Dynamic Object >	0	6	v * Normalized PortB	Denoted and			2020
				j 🔻 tunnet (1)					Advanced >	0	0	· Informatico_ronu	Par-device (EM/2, 254 (motil)	post9		2020
			C	ssl.root (SSL VPN i	nterl 😟 Tunnel		Manual	0.0.0/0.0/	CLI Only Objects >	0			Defudi	Normalized Dortil		
			_ 0] ▼ SD-WAN Zone	(4)					0	-	to M bismalined metto	Denaurc	Normalized_Ports		2020
			C	virtual-wan-link	SD-WAN Zone					0	'	V A Normalized_port10	Des de las IDMD DE das M			2020
				SDWAN_Zone	SD-WAN Zone	SDWAN_Zon	Magual	000000					Per-device (FW3_254 (root))	port10		
			-	J porty	E n SD-WAN Zoon	* NEWSDWAN INE port10	Manual	0.0.0.0/0.0	1		8	✓ ▲ Normalized_port7				202
				a portio	Physical		Manual	0000/00					Per-device (FW3_254 (root))	port7		
15	Search		Q 7	SDWAN port8	SD-WAN Zone	SDWAN port8	1*Tal Islan	0.0.0.0.0.0.0.0					Default	Normalized_port7		_
	III FGT1		c	port8	Physical		Manual	0.0.0/0.0/			9	V SDWAN_Zone			SDWAN Zone	2020
	III FGT2												Default	SDWAN_Zone		
	III FGTVM		_								10	V SDWAN_port8			SDWAN Zone	2020
	FW3_254												Default	SDWAN_port8		
											11	~ 🗖 VLAN101			FortiSwitch VLAN inter	a 2020
													Default	VLAN101		
											12	✓				2020
								-					Per-device (FGT1 (root))	internal2		
													Default	internal2		
											13	✓ ¥ internal3				2020
													Per-device (FGT1 (root))	internal3		
													Default	internal3		
				Maga		Three Borth	nowla				14	sdwan_loopback			SDWAN created	2020
				We da							15	vpnmgr test hub2spoke			VPN manager auto-ger	2020
				associate	ed as per-	device as port	on the				16	vpnmgr test mesh			VPN manager auto-ger	r 2020
					Firewall	"EW3 254"					17	vpnmgr test spoke2hub			VPN manager auto-ger	2020
						our Broo										

Step 1

Before

Device Manager 🗸	Device & Groups Firmware License Provis	ioning Templates : SD-WAN × ADOM: root C	🛛 🔊 2- 🗘 🚺 admin 🗸
Install Wizard			Gentral Management
SD-WAN Templates	🕂 Create New 🗹 Edit 🍵 Delete 🔎	D Where Used 🛛 👪 Column Settings -	۹
Interface Members	Interface Name	Per Device Mapping	Description
Health-Check Servers	Import_FW3_254_root_member_port	19 > 0 out of 4	
# BGP Neighbors	IntMem_port9	> 0 out of 4	
Monitor	SDWAN_member_port10	> 0 out of 4	

Configuration

Device Manager 🗸	Device & Groups Firmware Lice	nse Provisioning Templates	SD-WAN ✓	ADOM: root	C 🛛 🛰 A🛛	🚺 admin 🗸
Install Wizard					G Centra	I Management
SD-WAN Templates	Edit WAN Interface IntMem_p	ort7				
Interface Members		IntMem.port7				
Health-Check Servers	Description	markin Jores				
BGP Neighbors						
2 Monitor				2		
				0/256		
	Normalized Interface	Normalized_port7		-		
	Gateway	0.0.0.0				
	Weight	1		9		
	Cost	0				
	Volume Ratio	1		۲		
	Per-Device Mapping	OFF				
	Advanced Options \checkmark		Moor	a da calera	-	-
	gateway6		called	IntMemInor	t7" to refere	nce
	ingress-spillover-threshold	0	Centers ("Normalized	Loort7"	
	priority	0				
	source	0.0.0.0		0		
	source6	1				
	spillover-threshold	0				
	status	ON				

After

Device Manager 🗸	Device & G	iroups Firmware License Provisio	ning Templates 🚦 SD-WAN 🗸	ADOM: root	⑦ ≻ Δ 1 🕗 admin ∨
Install Wizard					🔄 Central Management
SD-WAN Templates	+	Create New 🗹 Edit 🏦 Delete 🔎	Where Used 🛛 🖧 Column Settings 🗸		Q
Interface Members		Interface Name	Per Device Mapping		Description
Health-Check Servers	0	Import_FW3_254_root_member_port9	> 0 out of 4		
BGP Neighbors		IntMem_port7	> 0 out of 4		
		IntMem_port9	> 0 out of 4		
		SDWAN_member_port10	> 0 out of 4		

You can create a new Template or use what is already, in this case we will be using the one that is already assigned to FW3_254 "Import_SD_WAN"

Device Manager 🗸	Device & O	Groups Firmware	License Provisio	ning Templates	; SD-WAN 🗸	ADOM: root	:2 💿 ≻- 🕰 👤 admin
Install Wizard							🔄 Central Management
SD-WAN Templates	+	Create New 🛛 🖻	dit 🛗 Delete 🚽	Import 📼 Assi	gn to Device 🛛 😹 🗸		
Interface Members		Name		Assigned to Dev	rices	Interfaces	Description
Health-Check Servers		Import_SDWAN		♠FW3_254 [roo	ot]	Import_FW3_25	4_root_member_por
BGP Neighbors							
Monitor							

Step 2

Create a new SD-WAN Zone

Install Wizard				Central Managemer
5D-WAN Templates	Edit Import_SDWAN			CLI Configuration
interface Members				
lealth-Check Servers	Namu	Import_SDWAN		
GP Neighbors	Description			
lonitor				
or neor			-fi	
			0/4096	
	SD-WAN Status	Createa	New SD WAN ZOne	
	Duplication			
	🕂 Create New 🖾 Edit	會 Delete 描 Column Setting -		Q
	O ID		Packet Discard Duplication	
	No record found.			
	Interface Members			
	+ Create New 🗸 🗵 Edi	it 🛱 📝 the 💭 Where Used 🛱 Col	lumn Settings +	Q
	SD-WAN Member		Interface Member	
	SD-WAN Zone			
	Constructions			
	D 1 SD-WAN	Zone	Import_FW3_254_root_membe	r_port9
		port10		
	2		SDWAN_member_port10	
	SDWAN_port8			
		23	IntMem_port9	
	0			
	Performance SLA			
	Performance SLA + Create New 🕑 Edit	首 Delete ,〇 Where Used 応 Colum	nn Settings •	٩
	Performance SLA + Create New 🗹 Edit Name	首 Delete	in Settings • col Failure Threshold	Q, Recovery Threshold
	Performance SLA + Create New 🖄 Edit Name Default_AWS	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP	n Settings - col Failure Threshold S	Q Recovery Threshold
	Performance SLA + Create New 2 Edit Name Default_AWS Default_FortiGuard Default_Comit	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP	nn Settings - col Failture Threshold 5 5	Q Recovery Threshold 10 10
	Performance SLA + Create New 2 Edit Name Default_AWS Default_FortiGuard Default_Genale Default_Genale	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP Import_FW3_254_root_I Ping Import_FW3_254_root_I HTTP	nn Settings - col Failure Threshold 5 5 5 5	Q Recovery Threshold 10 10 10
	Performance SLA	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I Ping Import_FW3_254_root_I Ping Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP	nn Settings - col Failure Threshold 5 5 5 5 5 5 5 5 5	Q Recovery Threshold 10 10 10 10 10 10 10 10
	Performance SLA	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I Ping Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP	nn Settlings - col Failure Threshold 5 5 5 5 5 5 5 5 5 5 5 5 5	Q Recovery Threshold 10 10 10 10 10 10 10
	Performance SLA	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP Import_FW3_254_root_I Ping Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP	nn Settings - col Failure Threshold 5 5 5 5 5 5 5 5 5 5 5	Q Recovery Threshold 10 10 10 10 10 10 10
	Performance SLA	Delete O Where Used Colum Health-Check Server Detect Proto Import_FW3_254_root_I HTTP Import_FW3_254_root_I Ping Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP Import_FW3_254_root_I HTTP	nn Settings - col Failure Threshold 5 5 5 5 5 5 5	Q Recovery Threshold 10 10 10 10 10 10

We won't have "IntMem_port7" yet

DATA: Timpedutes Edit Import, SDWAN Import, SDWAN writere Members Name Import, SDWAN Discription 0x000 SD-WAN Status 0x000 Daplication 0x000 Description 0x000 Daplication 0x000 No record found. 0x000 Interface Members 0x000 Create New SD-WAN Zone: 0x000 Interface Imports SDWAN_port7 Interface Imports SDWAN_port7 Interface Imports Click here to select Select Entries (Total: 3) Mytanced valions v Service-start obreak cfg-order Interface members, we wont in ave int Mem.port7 we set in them.port9 Interface member, port9 Interface members, we wont in ave int Mem.port7 we set in them.port10 0x Weedlift SDWAN_port7 Import, FW3_254_root_member, port10 0x Interface members, we wont in ave int Mem.port7 we set in them.port10 0x We call it on the next step 10 10	nstall Wizard				G Central Manageme
And the Members and the Market Servers Description Description Description SD-WAN Status Description SD-WAN Status Description SD-WAN Status Description Complexation Performance of the Market Description No record found. Interface Members Interface Members Interface Members Interface Interface SDWAN_port7 Interface Inter		Edit Import_SDWAN			CLI Configura
Attrict Check Servers Description P Reightons Discription Discription 0x0000 SD-WAN Status Of Duplication 0x0000 Discription 0x0000 Duplication 0x0000 No record found. Packet Discard Duplication No record found. 0x0000 Interface Members Create New SD-WAN Zone Interface Interface Interface SDWAN_port7 Interface SDWA	erface Members	Name	moort SDWAN		
P Neighbors nitor SD-WAN Status Duptication Create New 2 Edit Duptication No record found. Interface Members Create New SD-WAN Zone Create New SD-WAN Zone Interface members Create New SD-WAN Zone Interface members Click here to select Select Entries (Tota: 3) dvanced toxions v service-sla-ti-break cfg-order Import FW3_254 root, member_port9 Import FW3_254 root, member_port10 DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Select Entries (Tota: 3) DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Select Entries (Tota: 3) DV Create New SD-WAN Interface Select Select Entries (Tota: 3) DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Select Select Entries (Tota: 3) DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Select Select Entries (Tota: 3) DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Members DV Create New SD-WAN Interface Select Select Entries (Tota: 3) DV Create New SD-WAN Interface Members DV DV Create New SD-WAN D	alth-Check Servers	Description	and a second sec		
ntor SD-WAN Status Duplication Create New C Edit Delete Column Settings- Packet Discard Duplication No record found. Interface Members Create New SD-WAN Zone Interface Members Create New SD-WAN Zone Interface Implors Click here to select Select Entries (Total: 3) Advanced obions Service-slat: to break (fg-order) Interface member.port? Weedil it SDWAN.port? Weedil it SDWAN.port? Weedil it SDWAN.port? Weedil it SDWAN.port? Difference Status Diff	P Neighbors				
SD-WAN Status Duplication Create New C Edit Dedet Column Settings- Create New SD-WAN Zone Rembers Create New SD-WAN Zone Remembers Create New SD-WAN Zone Rembers Create New SD-WAN Zone Rem	mitor				
SD-WAN Status Duplication Conste New Disciplination No record found. Interface Members Create New SD-WAN Zone Rame SDWAN_port7 Interface I unbers Create New SD-WAN Zone Interface I unbers C					
Duplication ID ID Packet Discard Duplication No record found. Interface Members Create New SD-WAN Zone Interface Sold all on the next step Interface Sold all on the next step Sold all on the next step		SD-WAN Status	ON		
		Duplication			
ID Packet Discard Duplication No record found. Interface Members Create New SD-WAN Zone Name SDWAN_port7 Interface Impers Click here to select Select Entries (Total: 3) Advanced Cotions service-sla-tu-break clig-order Interface members, we won't have We need to add it on the next step 10 00		+ Create New DE E	dit. 😭 Delete 🚜 Column Settings -		Q
No recent found. Interface Members Create New SD-WAN Zone Name SDWAN_port7 Interface Innbers Click here to select Select Entries (Total: 3) Advanced to bions service-slattlebreak clg-order We cell it SDWAN_port7, when you try to assign Interface member, we won't have UntMem_port7 yet We need to add it on the next step 10 10 10 10 10 10 10 10 10 1		O D	Packet	Discard Duplication	
Interface Members Interface Members Create New SD-WAN Zone Interface webers Create New SD-WAN Zone Interface webers Click here to select Select Entries (Total: 3) Advanced Gations Service-sla-t: -break Crg-order We call it "SDWAN_port7", when you try to assign We call it "SDWAN_port7", when you try to assign Net race members, we won't have "IntMem_port7" yet Net race		No record found			
Name SDWAN_port7 Interface tombers Click here to select Select Entries (Total: 3) Advanced totions service-sla-to-break cfg-order Import_FW3_254_root_member_port9 Interface members, we won't have "IntMem_port7" yets We cell it "SDWAN_port7", when you try to assign Interface members, we won't have "IntMem_port7" yets We need to add it on the next step 10 10 10		Create New SD-W	5 Edit 중 Delete O Where Used A Column Se VAN Zone	tlines -	٩
Interface tembers Click here to select Select Entries (Total: 3) Advanced totions service-sla-tu-break cfg-order Import_FW3_254_root_member_port9 IntMem_port9 SDWAN_member_port10 SDWAN_member_port10 SDWAN_member_port2 Interface members, we won't have 'IntMem_port7", yet, we need to add it on the next step 10 10 <th></th> <th>Create New SD-W</th> <th>VAN Zone</th> <th>tilinas -</th> <th>Q</th>		Create New SD-W	VAN Zone	tilinas -	Q
Advanced Cotions ~ service-sla-ti-break cfg-order P We call it "SDWAN_port7", when you try to assign Interface members, we won't have "IntMem_port7" yet, we need to add it on the next step 10 10 10 10 10 10 10 10 10 10 10 10 10		Create New SD-W	VAN Zone	itlines	Q nber_port9
service-sla-ti -break cfg-order IntMem_port, when you try to assign Interface members, we won't have IntMem_port, yet, we need to add it on the next step 10 10 10 10 10		Create New SD-W	SDWAN_port7	elect Entries (Total: 3)	Q mber_port9
We call it "SDWAN_port7", when you try to assign Interface members, we won't have "IntMem_port7" yet, we need to add it on the next step 10		Create New SD-W Name Interface 1 opports Advanced 4 ptions	VAN Zone SDWAN_port7 Click here to select	elect Entries (Total: 3)	Q nber_port9
We call it "SDWAN_port7", when you try to assign Interface members, we won't have "IntMem_port7" yet, we need to add it on the next step 10		Create New SD-W Name Interface Lombers Advanced Cotions service-sla-tu-break	VAN Zone SDWAN_port7 Click here to select Greg-order	elect Entries (Total: 3)	Q mber_port9 root_member_port9
We call it "SDWAN_port7", when you try to assign Interface members, we won't have "IntMem_port7" yet, we need to add it on the next step		Create New SD-W Name Interface sumbers Advanced Cotions service-sla-tu-break	VAN Zone SDWAN_port7 Click here to select Ge-order	elect Entries (Total: 3)	nber_port9
we need to add it on the next step		Create New SD-W Create New SD-W Name Interface tembers Advanced Cotions service-sla-tu-break	SDWAN_port7 Click here to select	elect Entries (Total: 3) Import_FW3_254_ IntMem_port9 SDWAN_member_	nber_port9 root_member_port9 .port10
		Create New SD-W Name Interface sumbers Advanced Cotions service-sla-tu-break	VAN Zone SDWAN_port7 Click here to select Click her	elect Entries (Total: 3)	nber_port9 root_member_port9 .port10
OK Control 10		Create New SD-W Create New SD-W Name Interface tombers Advanced Cotions service-sla-tu-break	VAN Zone SDWAN_port7 Click here to select cfg-order AN_port7", when you try to assign we won't have _ IntMem_port7" yet, to add it on the next step	elect Entries (Total: 3) Import_FW3_254_ IntMem_port9 SDWAN_member_ D	nber_port9 root_member_port9 port10
		Name Interface sumbers Advanced & ptions service-sla-tu-break	AN port7 ve won't have IntMem_port7 yet, to add it on the next step	elect Entries (Total: 3)	root_member_port9 port10
10		Create New SD-W Name Interface tombers Advanced Cotions service-sla-tu-break	VAN Zone SDWAN_port7 Click here to select cfg-order AN_port7", when you try to assign we won't have "IntMem_port7" yet, to add it on the next step	elect Entries (Total: 3) Import_FW3_254 IntMem_port9 SDWAN_member Cancel	root_member_port9 port10 Recovery Threshold 10 10 10 10

We just leave it empty

Install Wizard SD-WAN Templates Interface Members Health-Check Servers BGP Neighbors Monitor SD-WAN S Duplication To rest	SDWAN	Import_SDWAN	0/		🖳 Central Managem
SD-WAN Templates Edit Import	SDWAN	Import_SDWAN			🗹 CLI Configura
Interface Members Health-Check Servers BGP Neighbors Monitor SD-WAN S Duplication) itatus n	Import_SDWAN			
Health-Check Servers Description BGP Neighbors Solution Monitor SD-WAN S Duplication + Cres	itatus n				
BGP Neighbors Monitor SD-WAN S Duplication + Crea	itatus n	ON			
Monitor SD-WAN S Duplication + Crea	itatus n	ON			
SD-WAN S Duplication + Crea	itatus n				
SD-WAN S Duplication + Crea D	itatus n	ON			
Duplication + Creation Duplication	n				
+ Cre					
CI D	ate New 🕑 Edit	前 Delete 捣 Column Settings +			ما
			Packet Discard Dup	lication	
No reco	rd found.				
Creat Nam Inter	e New SD-WAN	SDWAN_port7 Click here t	to select	_member_ 10	port9
	ise sle tie breek				
SEIVI	ice-sia-tie-bieak	ctg-order	Ŧ		
P					
					۹
				hold	Recovery Threshold
					10
		OK	Cancel		10
		OK	Cancel		10
					10

${\tt SDWAN_port7}\ interface\ will\ be\ with\ no\ interface\ members$

Interface Members												
+	Create New 🗸 🗹 Edit 🍵 Delete 🔎 Where Used 🚜	Column Settings - Q										
	ID	Interface Member										
	🗟 virtual-wan-link											
	SDWAN_Zone											
	1	Import_FW3_254_root_member_port9										
	REWSDWANZONE_port10											
	2	SDWAN_member_port10										
	SDWAN_port8											
	3	IntMem_port9										
	SDWAN_port7											

Step 3



Import_FW3_254_root_I HTTP

5

10

Default_AWS

Install Wizard				FORM
Insun vrizaru.				Central Managen
D-WAN Templates	Edit Import_SDWAN			CLI Configura
erface Members	Name	Import SDWAN		
alth-Check Servers	Description			
P Neighbors				
nitor				
	SD-WAN Status	(7)		
	Dunkastian			
	Dupication			
	+ Create New 🗵 🗄	dit 🖀 Delete 📫 Column Settings -		0
		Packet	Discard Duplication	
	No record found.			
	Create New S		ANLPOTT	
		1		
	Sequence Num	ber 4	10 mber	_port9
	D Interface Memb	er IntMem port7	×	
	D SD-WAN Zone	SDWAN port?		
	D SO WAY LONG	Sowaw_port/	<u> </u>	
		Г . р и	Contract of the local division of the local	
	Perfotmance acre			
	🕂 Create New 🛛 🗄	idit 👔 Delete 🔎 Where Used 🔹 Column Setti	ngs •	٩
	Name	Health-Check Server Detect Protocol	Failure Threshold	Recovery Threshold
	Default_AWS	Import_FW3_254_root_1_HTTP	5	10
	Default_FortiGuar	Import_FW3_254_root_1_HTTP	5	10
	Default_Gmail	Import_FW3_254_root_1 Ping	5	10
	C Detaile Franks	And Andrew Place of a search a latter	-	



However modified status on device layer for FGT "FW3_254" is detected

===	Device Manager 🗸	Device &	à Groups	Firmware	License	Provision	ning Templat	s i v		ADOM: roo	L 🖸	<u>ر</u> ھ	41		admin 🗸
•••	Add Device 🎛 Device Gr	roup 🗸	🗄 Install	Wizard 🗙	Tools 🗸	💷 Table Vi	ew 🗸								
	Managed Devices	4	• 111	4 Devices	5		0 Devices			1 Devices		B	0	Devices	
••• (ogging Devices	4	• 111	Total		«⊗»	Connection Do	Ť.		Device Config N			Policy	Package	
& 1	fest	2	🗹 Edit	ற் Delete	∃ Import	Policy 👌	Install 🗸	More 🗸	🛱 Colu	nn Settings -					Q
		C] ▲ Dev	vice Name		Config Sta	tus	System	Template		Policy	/ Package	e Status	F	irmware \
		0) 💷 F C	GT1		Our Contract Of	vn				AN	ever insta	lled	1	FortiGate
		C) 💷 F C	GT2		Our Contract Of	vn				AN	ever insta	lled	1	FortiGate
		0) 🚥 F C	STVM		Ounknow	vn				🔺 Ne	ever insta	lled	1	FortiGate
		C) 🛧 FV	V3_254		🛕 Modifie	d				AN	ever insta	lled	1	FortiGate

Step 4

When we see install preview, we notice Fortimanager will trigger the interface



FortiGate VM64 FW	3_254				Q->_ [] @-	🕰 💽 admin -	Device Manager 🗸	Devie	ce & Gn	oups Firmware	License	Provisioning Ter	nplates []	V ADOM: n	∞t 🗆 🗇 ≻– 🕰 🚺 🌘	일 admin
Dashboard	>	*** 5-10-1-1-1-5-7	6 11 11 15 47 15 11	-			Add Device 🖀 Device	Group ~	Insta	II Wizard 🗙 Tools	~ 🖬 TA	able View 🗸				
Security Fabric	>	FortiGate VM64					Managed Devices	4		4 Devices		0.00	vices	0 Devices	E 0 P	evices
* Network	~		10 12 14 16 18 20 22	24			Logging Devices		•	Total		•©• Connect	on Do	Device Config N	Policy Pa	ackage
Interfaces	☆						lo Test		E E	dit 📋 Delete 🗄	Import P	olicy 👌 Install •	More V	 Column Settings - 		(
DNS		+ Create New * / Edit 🛞	Delete Search		Q	📑 Group By Type •	1		0	A Device Name		Config Status	System	m Template	Policy Package Status	Firmwa
Packet Capture		Name 🕈	Type 🌣	Members \$	IP/Netmask 🕆	Administrative Acces	15		0	m FGT1		Unknown			A Never installed	FortiGa
SD-WAN Zones		Physical Interface 10								m FGT2 m FGTVM		Unknown Unknown			A Never installed	FortiGa
SD-WAN Rules Performance SLA		m port1	Physical Interface		172.17.96.180/255.255.254.0	PING HTTPS	1			♦ FW3_254		Synchronized			A Never installed	FortiGa
Static Routes Policy Routes						SSH HTTP FMG-Access					1					
RIP OSPF BGP Multicast		nort2	Physical Interface		10.0.2.254/255.255.255.0	PING HTTPS SSH HTTP FMG-Access										
System	0 >	m port3	M Physical Interface		0.0.0.0/0.0.0.0		1									
Policy & Objects	>	m port4	Physical Interface		0.0.0.0/0.0.0.0		Ik Search	0								
Security Profiles	>	m port5	Physical Interface		0.0.0.0/0.0.0.0		FGT1	_								
2 VPN	>	🗂 portó	Physical Interface		0.0.0.0/0.0.0.0		FGT2									
User & Authentication	>	m port7	Physical Interface		0.0.0.0/0.0.0.0		* FW3_254									
WiFi & Switch Controller	>	m port8	Physical Interface		0.0.0.0/0.0.0.0					_						
H Log & Report	,	m port9	Physical Interface		0.0.0.0/0.0.0.0					Dev	cel	averit	ssyn	C		
		port10	Physical Interface		0.0.0/0.0.0.0						ALL A	Forfile	ala	-		
		🔲 🚳 SD-WAN Zone 🌖								ŭ		1 cide	-109			
	- 1	REWSDWANZONE port10	SD-WAN Zone	port10	0000/0000											
	- 1	SDWAN_port7	SD-WAN Zone	port7	0.0.0.0/0.0.0											
		SDWAN_port8	SD-WAN Zone	m port8	0.0.0.0/0.0.0.0											
		SDWAN_Zone	SD-WAN Zone	m port9	0.0.0/0.0.0											
		virtual-wan-link	SD-WAN Zone		0.0.0.0/0.0.0.0											

Special notes

1 This is the way it looks on Fortigate, as you notice SDWAN Zone is not a simple interface

FortiGate VM64 FW3_254	ļ				Q+ >_ []	@ • 🗘 💿 👤 admin •	FortiGate VM64 FW3_254				Q• ≜• >_ [] @•	🗘 10 🕗 admir
Dashboard >	Band	width Volume Sessions							0 44 40 45 47 40 04	22		
☆ Security Fabric >		Download			Upload		☆ Security Fabric >	FortiGate VM64 1 3 5 7	7 11 13 15 17 19 21	23 m		
Network ~			port9			port9	+ Network ×		10 12 14 16 18 20 22 :	24		
Interfaces			port8			port8	Interfaces 🏠					
DNS			port7			port7	DNS	• View Search		a		📓 Group By Type
Packet Capture							Packet Capture	Name 🕈	Type 🚔	Members ≑	IP/Netmask ≑	Administrative Acc
SD-WAN Zones 🖒							SD-WAN Zones	Physical Interface				
SD-WAN Rules							SD-WAN Rules	a anti	Dhysical Interface		170 17 04 190/255 255 254 0	DING
Performance SLA		Prosto Now z	ta				Performance SLA	porti	m Physical Interface		1/2.1/.70.100/255.255.254.0	HTTPS
Static Routes		Freate New - Freit E Dele	Le				Static Routes					SSH
Policy Routes		Interfaces ≑	Gateway ≑	Cost ≑	Download ≑	Upload 🗢	Policy Routes					FMG-Access
RIP		🎕 virtual-wan-link					RIP	m port2	Physical Interface		10.0.2.254/255.255.255.0	PING
OSPF		SDWAN_Zone					OSPF					HTTPS
BGP	1	port9	0.0.0.0	0	10.84 kbps	0 bps	BGP					SSH
Multicast		NEWSDWANZONE_port10					Multicast					FMG-Access
System		port10	0.0.0	0	10.84 kbps	0 bps	System 1 >	m port3	Physical Interface		0.0.0.0/0.0.0.0	
Policy & Objects >		SDWAN_port8					Policy & Objects >	m port4	Physical Interface		0.0.0/0.0.0.0	
▲ Security Profiles >	- i •	port8	0.0.0.0	0	10.84 kbps	0 bps	Security Profiles	i port5	Physical Interface		0.0.0/0.0.0.0	
□ VPN >		SDWAN_port7					□ VPN >	i port6	Physical Interface		0.0.0.0/0.0.0.0	
User & Authentication >	- i	port7	0.0.0.0	0	10.84 kbps	0 bps	User & Authentication >	i port7	Physical Interface		0.0.0.0/0.0.0.0	
WiFi & Switch Controller >							♥ WiFi & Switch Controller >	🔳 port8	Physical Interface		0.0.0/0.0.0	
Log & Report →							Log & Report >	🗎 port9	Physical Interface		0.0.0.0/0.0.0.0	
								🛅 port10	Physical Interface		0.0.0/0.0.0	
								🛢 🕙 SD-WAN Zone 🌀				
								NEWSDWANZONE_port10	la SD-WAN Zone	🛅 port10	0.0.0.0/0.0.0.0	
								SDWAN_port7	SD-WAN Zone	i port7	0.0.0.0/0.0.0.0	
								SDWAN_port8	SD-WAN Zone	🛅 port8	0.0.0.0/0.0.0	
								SDWAN_Zone	SD-WAN Zone	🔳 port9	0.0.0/0.0.0	
								🎕 virtual-wan-link	🗟 SD-WAN Zone		0.0.0.0/0.0.0	

It cannot be seen on config sys interface

E FortiGate VM64 FW3,254 Q.+ →_ 【3 ②+ Δ	🐽 🙁 admin - 🚺 FortiGate V	M64 FW3_254				Q•≜•≻ [] @•	· 🗘 🛛 🕗 admin
Bondwitth Volume Services	🙆 Dashboard	>					
🕸 Security Fabi CLI Console (1) 🗈 🖪 🗢 🕹 📔 🕳 🗴	🔆 Security Fabric	>	FortiGate VM64 1 3 5 7	9 11 13 15 17 19 21 : 	23 11		
	9 🕂 Network	~			1		
FW3_254 # Interfaces FW3_254 #	8 Interfaces	☆	2 4 0 0	10 12 14 10 10 20 22	27		
DNS FW3_254 # sh sys interface	7 DNS		View Search		(2	📓 Group By Type 🕶
PacketCapit port1 dhcp 0.0.0.0 0.0.0.0 172.17.96.180 255.255.254.0 up disable physical enable	Packet Capture		Name 🚔	Type 🚔	Members =	IP/Netmask ≜	Administrative Acce
SD-WAN Zor port2 static 0.0.0.0 0.0.0.0 10.0.2.254 255.255.255.0 up disable physical enable	SD-WAN Zone	,	Dhurical Interface	.,,,			
SD-WAN Ru port4 static 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 up disable physical enable	SD-WAN Rules			Sent 1 have a		470 47 07 400/055 055 054 0	-
Performance port5 static 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0 up disable physical enable	Performance SI	LA	port1	Physical Interface		1/2.1/.96.180/200.200.204.0	HTTPS
Static Route port7 static 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 up disable physical enable	Static Routes						SSH
Policy Route ports static 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0 up disable physical enable Policy Route ports static 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0 up disable physical enable	Jpload Policy Routes						HTTP EMG-Access
RIP port10 static 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 up disable physical enable	RIP		nort2	Physical Interface		10.0.2.254/255.255.255.0	RING
OSPF	OSPF		in porce	and this sectore		10.0.1.1.5 (1.5.1.5.1.5.1.5.	HTTPS
BGP FW3_254 # sh sys interface	BGP						SSH
Multicast	Multicast						FMG-Access
Ø System	System	•	i port3	Physical Interface		0.0.0.0/0.0.0.0	
A Policy & Obje	Policy & Object	s >	i port4	Physical Interface		0.0.0.0/0.0.0.0	
A Security Prof	Security Profile	s >	🛎 port5	Physical Interface		0.0.0.0/0.0.0.0	
D VPN	I VPN	>	🗎 portó	Physical Interface		0.0.0.0/0.0.0.0	
🛔 User & Autho	👗 User & Authent	tication >	port7	Physical Interface		0.0.0.0/0.0.0	
* WiFi & Switc	WiFi & Switch 0	Controller >	📕 port8	Physical Interface		0.0.0.0/0.0.0.0	
lål. Log & Report	Log & Report	>	m port9	Physical Interface		0.0.0.0/0.0.0.0	
			m port10	Physical Interface		0.0.0.0/0.0.0.0	
			🖪 🚳 SD-WAN Zone 🌖				
			NEWSDWANZONE_port10	SD-WAN Zone	port10	0.0.0.0/0.0.0.0	
			SDWAN_port7	SD-WAN Zone	🗎 port7	0.0.0.0/0.0.0.0	
			SDWAN_port8	SD-WAN Zone	🛎 port8	0.0.0.0/0.0.0.0	
			SDWAN_Zone	SD-WAN Zone	port9	0.0.0.0/0.0.0.0	
			🎕 virtual-wan-link	SD-WAN Zone		0.0.0.0/0.0.0.0	

They belong to configuration of new cli syntax

FortiGate VM64 FW3_254	
Dashboard Dashboard Dashboard	
Security Fabi CLI Console (1)	t I
<pre>FW3_254 # sh sys sdwan config system sdwan</pre>	
Interfaces set status enable	
DNS config zone	
Packet Captu next	
SD-WAN Zor edit "SDWAN_Zone"	
SD-WAN Rul edit "NEWSDWANZONE port10"	
Performance edit "SDWAN_port8"	
Static Routes next	
edit "SDWAN_port7" Policy Route: next	
RIP end	
OSPF edit 1	
BGP set interface "port9" set zone "SDWAN_Zone"	
Multicast	
System edit 2 set interface "port10"	
Policy & Obje set zone "NEWSDWANZONE_port10"	
Security Prof	
LE VPN set interface "port8"	
<pre>Set zone "SDWAN_port8"</pre>	
♥ WiFi & Switc edit 4	
Log & Report set interface "port7" set zone "SDWAN_port7"	
end	

2 Once you use port7 on Fortigate you will see it free on Fortigate, but on Fortimanager you will see it only under SD WAN Zone interface

FortiGate VM64 FW3	54				Q•≻ [] @•	· 🗘 🕘 🕗 admin •	Device Mana	ger 🗸 🛛 De	evice 8	a Group	s Firmware Li	cense Provisioning	Templates 🚦 🗸	ADOM: root	II 🕲 > 4 1	🙎 admin 🗸
🙆 Dashboard	>		0 44 40 45 47 40 04	22			Add Device 🎛	Device Group	~ 1	Install W	Vizard 🗙 Tools 🗸	Table View 🗸				
X Security Fabric	>	E.S FortiGate VM64		23 11			Managed Devices		1	FW3_2	54 System : Inte	rface Router 🖂 Dis	play Options			
+ Network	~		10 12 14 16 18 20 22	24			Logging Devices		3	+ Crea	te New 🗸 🛛 🖬	lit ġ Delete ,OV	/here Used 💉 Collapse All 🚦 🗸	6 -		Q
Interfaces	☆	2400	20 11 11 10 10 10 11	2.1			a Test		a C) Nar	ne	Туре	Normalized Interface		Addressing Mode	IP/Netmask
DNS		🕈 Create New 🔹 🖋 Edit 👘	Delete Search		Q	🗑 Group By Type 🔻			C] 🕶	Physical (6)					
Packet Capture		Nama 🌢	7	A damb an th	10Autorali A				C) por	rt1	Physical			DHCP	172.17.96.
SD-WAN Zones	۰.	Name -	Type -	Members -	IP/IVetmask +	Administrative Acces	>] por	rt2	Physical Physical			Manual	10.0.2.254,
SD-WAN Pules		Physical Interface 10								j por	rt3	Physical Physical			Manual	0.0.0/0.0
Berformance SI A		🗂 port1	Physical Interface		172.17.96.180/255.255.254.0	PING] por	rt5	Physical			Manual	0.0.0/0.0
Performance SDA						HTTPS			C] por	rtó	Physical			Manual	0.0.0/0.0
Static Routes						HTTP			C] 🔽	funnel (1)					
Policy Routes						FMG-Access			C] ssl.	root (SSL VPN inte	rl 💿 Tunnel			Manual	0.0.0/0.0
RIP		m port2	Physical Interface		10.0.2.254/255.255.255.0	PING					SD-WAN Zone (5)	CD WAN Zees				
OSPF						HTTPS			L C	1 SD	WAN Zone	SD-WAN Zone				
BGP						SSH			C		port9	Physical			Manual	0.0.0/0.0
Multicast						FMG-Access			C] NE	WSDWANZONE_	pi 🧟 SD-WAN Zone				
System (1)	>	port3	Physical Interface		0.0.0.0/0.0.0				C		port10	Physical			Manual	0.0.0/0.0
Policy & Objects	>	m port4	Physical Interface		0.0.0.0/0.0.0		Li Search			J 50	port8	Physical	Z SDWAN_ports		Manual	0.0.0/0.0
Security Profiles	>	mort5	Physical Interface		0.0.0.0/0.0.0		FGT1] SD	WAN_port7	SD-WAN Zone	SDWAN_port7			
I VPN	>	m porté	Physical Interface		0.0.0.0/0.0.0		FGT2		E.	2	port7	😡 Physical			Manual	0.0.0/0.0
User & Authentication	>	m port7	Physical Interface		0.0.0.0/0.0.0.0		FGTVM									
WiFi & Switch Controller	>	m port8	Physical Interface		0.0.0.0/0.0.0.0		- PW5_234									
Log & Report	>	m port9	Physical Interface		0.0.0.0/0.0.0.0											
		mort10	Physical Interface		0.0.0.0/0.0.0.0											
	1	SD-WAN Zone 5														
	- 0	NEWSDWANZONE_port10	SD-WAN Zone	port10	0.0.0.0/0.0.0		1									
		SDWAN_port7	SD-WAN Zone	🗂 port7	0.0.0/0.0.0											
		SDWAN_port8	SD-WAN Zone	🛅 port8	0.0.0.0/0.0.0.0											
		SDWAN_Zone	SD-WAN Zone	🔳 port9	0.0.0/0.0.0											
		🎕 virtual-wan-link	SD-WAN Zone		0.0.0/0.0.0.0											

However, when you try to create a policy package will have the same behavior. Port7 will not be free to assign

FortiGate VM64 FW3_23				Q 🗝 🛌 🚺 🞯 🕈 🗛 🚺 admin	- 🖽	Policy & Objects 🗸 Pol	licy Packages Object Configurat	ions	ADOM: root 🔅 🗇 😕	🔎 🚺 admir
B Dashboard	New Policy				2	🕭 Policy Package 🗸 👌 Install 🗸	ADOM Revisions 🧔 Tools	✓ ✓ Collapse All SE Object Selector ✓		
🔆 Security Fabric	>		4	⑦ Documentation	^ <u>II</u>	Search Q	Create New Firewall Policy		Interface	+- / 0
+ Network	Name 🖲			🖉 Online Help 🗭		🖻 default			Search	
System 1	Incoming Interface	-	•	Video Tutorials 🗹		Firewall Policy	Name		NORMALIZED INTERFACE (17)	~
Policy & Objects	Outgoing Interface	Q Search]			Virtual Wire Pair Policy	Incoming Interface	SDWAN_port8		
Firewall Policy 1	Source	NEWSDWANZONE_port10				NAT46 Policy	Outgoing Interface	★Normalized_port7	Import_sdwan_port9	
IPv4 DoS Policy	Destination	port1				Proxy Policy	Source Internet Service	OFF	NEWSDWANZONE_port10	
Addresses	Schedule	port2	Interface 🎕 SDWA	N_port7		Authentication Rules	IPv4 Source Address	🗵 all	SDWAN Zone	
Internet Service Database	Service	m ports	Link O			IPv4 Multicast Policy	IPv6 Source Address	+	Interface	
Services	Action	port5	Type 📽 SD-WA	AN Zone		IPv6 Local In Policy	Source User	+	Normalized_port10	
Sel vices		port6	Members 🛗 port7			IPv4 DoS Policy	Source User Group	+	* Normalized port7	
scriedules	Inspection Mode	🗟 SDWAN_port7				IPv6 DoS Policy	FSSO Groups	+	Interface	
Virtualies		SDWAN_port8				IPv4 Interface Policy	Destination Internet Service	OFF	SDWAN_Zone	
IP Pools	Firewall / Network C	SDWAN_Zone				Traffic Shaping Policy	IPv4 Destination Address	🖼 all	SDWAN_port8	
Protocol Options	NAT	virtual-wan-link	_			Installation Targets	IPv6 Destination Address	+	SDWAN Zone	
Traffic Shapers	IP Pool Configuration	Use Outgoing Interface Address			•	Policy Blocks (1)	Service		FortiSwitch VLAN Interface	
Traffic Shaping Policy		Use Dynamic IP Pool					Schedule	always	any any	
Traffic Shaping Profile	Preserve Source Por		-				Action	Deny Arcent IPSEC	Interface	
Security Profiles	Protocol Options	PROT default	•				Action	Deny Accept IFSEC	Interface	
D VPN	Security Profiles						Disclaimer Options			
User & Authentication	> Secondy Promies	-					Block Notification	OFF	sdwan loonback	
WiFi & Switch Controller	Antivirus						Logging Options		SDWAN created	
😹 Log & Report	vved Filter						Log Violation Traffic		sslvpn_tun_intf interface	
	DNSFilter							Generate Logs when Session Starts	virtual-wan-link	
	Application Control						Advanced		Interface	
	iPS						Muvanceu	-	VPN manager auto-generated	
	riter						WCCP		vpnmgr_test_mesh	
	SSL Inspection	ss. no-inspection 🔹	1				Exempt from Captive Portal		VPN manager auto-generated	
							Comments		VPN manager auto-generated	
	Logging Options									
	Log Allowed Traffic	Security Events All	I Sessions							
	Generate Logs when	Session Starts 🕥					Advanced Options >			
	Capture Packets									

BONUS

When trying to install policy package always check as a normal situation, Interfaces should be associated to the Fortigate where you need to install policy package.

For example even we have already configure SDWAN_port7 on fortigate using Device Layer, when you try to install policy package you need to make sure what is the status of your SDWAN Interfaces on Policy Layer.

If you are trying to install a policy package and you receive a error like

Copy device global objects

Vdom copy failed: error 0 - invalid value

Copy objects for vdom root



The ideal scenario you will have the option to choose your interface to create an association

===	Policy & C)bjects 🗸	Poli	cy Pac	kages	Object Confi	guration	IS				ADOM: root	C 6) >_ L	1	👤 admi
A P	olicy Package	e 🗸 🔥 İns	stall 🗸	_ ⊕ /		evisions 🤣	Tools 🗸	💉 Collapse All 💈	≸≣ Obj	ect Selector 🗸						
ļi se	arch		Q	+	Create N	ew 🗸 🗹 Ed	dit∽ įį́	Delete 🖪 🗸	N ~	∕ ℚ ‡‡ -	۲	View Mode 🗸 📗				Q (
• 🖻	default			0	#	Name		From		То		Source		Destina	tion	
	Firewall Pol	Pair Policy	_	0	1	SDWAN Po	olicies	SDWAN port	t8	SDWAN_port	7	🗉 all		🔳 all		
	NAT64 Poli				2	internet		port2	I	port1	1	🖻 all		😑 all		
	NAT46 Poli	cy				cit (3-3 / Tota										
	Proxy Policy	1			3	Implicit De	ny	🛄 any		🗳 any		🖻 all		🗐 all		
	Authenticat	Do inc	Hall	Dali	av Da	ckago -	dofau	1+								
	IPv4 Local I	Re-Ins	stall	POIN	LyPa	ckage -	uerau	ii.								
	IPv6 Local I							_					_			
	IPv4 DoS Po	0	Install I	Preview	/ o⊙ Pi	olicy Package	Diff						_	Q		
	IPv6 DoS Po		evice	diment		Policy Packa	ge	Validation		Zono Validation	Failed					
	IPv6 Interfa		vv3_25	4(rootj				Copy Failed		Zone validation		Details				
	Traffic Shap															
	Installation															
	POlicy Block															
		Valida	ition	Def	tails											
		The follow	ving AD	OM in	terfaces	have no mapp	oing. All A	DOM interfaces sho	ould be	e mapped before	contin	ue with installation			- 1	
												Search		Q	.	
		Device N	lame					Unmapped Inter	rface		De	vice Interface				
		FW3_254	4(root)					SDWAN_port7			N	lone				
											L			٩		
											١	None		^		
												NEWSDWANZC SD-WAN Zone	ONE_po	rt10	h	
								_		_		SDWAN_Zone SD-WAN Zone				
												SDWAN_port7 SD-WAN Zone				
												SDWAN_port8		v		
												Next >				
															4	

If not you need to confirm what is the status of all your interfaces being used on policy package

⇔	Policy & Objects 🗸	Policy P	ackages	Object Configuratio	ns		ADOM: root	II @ >= A1	👤 admin 🗸
	Policy Package 🗸 👌 Inst	all 🗸 🏾 🌐	ADOM	Revisions 🦸 Tools 🗸	🖋 Collapse All 🛛 🖇 🕻	Object Selector 🗸			
Ĵ₽ 8	Search	Q -	- Create	New 🗸 🕑 Edit 🗸	🛍 Delete 🔣 🗸 🛛	l∨ 02 45-	👁 View Mode 🗸		Q 🔍
• 2	default			Namo	From	То	Sourco	Destination	
	Firewall Policy	U		NdIIIC	FIOIII	10	Jource	Desunation	•
	Virtual Wire Pair Policy		1	SDWAN Policies	SDWAN_port8	SDWAN_port7	🖻 all	🔳 all	
	NAT64 Policy		2	internet	port2	🗖 port1	🗉 all	🗉 all	
	NAT46 Policy		💌 Imp	licit (3-3 / Total: 1)					
	Proxy Policy	0	2	Implicit Donu			😑 all	😑 all	
	Authentication Rules	U	3	Implicit Deny	any any	any any	🖸 all	🖬 all	
	ID. A MARKET DERVICE	1							

In this case, we identify "SDWAN_port7" does not have neither Per Platform nor Per device mapping

;;;;	Policy & Objects 🗸	Policy Packages	Object Configurations	s		ADOM: root		0 > 4 1	👤 admin 🗸
4	ADOM Revisions 🧔 🖗	ools 🗸							
Nor	malized Interface 🗸	Edit Normaliz	ed Interface						
Nor	malized Interface	Name	[SDWAN port7					
Virt	ual Wire Pair	Descriptio	in S	DWAN Zone					
Fire	wall Objects >								
Sec	urity Profiles >								
🕉 Fab	ric Connectors >					10/4096			
😰 Use	r & Authentication >	Color	Ī						
🕈 WA	N Optimize >								
🕹 Dyn	amic Object >	Per-Platfo	rm Mapping						
🗞 Adv	anced >	+ Creat	te New 🗹 Edit 📋 D	elete 🐞 Column Setti	ngs 🕶				Q
CLI	Only Objects >	•	Name		Device Interface Name	1	Shapin	g Profile	
		No reco	ord found.						
		1							
									/
		Per-Devic	e Mapping						
		+ Creat	te New 区 Edit 前 D	elete					Q
		О м	apped Device [Details	Туре	Addressing Mod	le	IP/Netmask	
		No reco	ord found.						
		<							>

If we added Per Platform means that all your Fortigates VM will be using the same configuration of SDWAN_port7. (Normally this is not very common since user may need to have different configurations on interfaces)

Policy & Objects V	Policy Packages O	bject Configurations		ADOM: root	C @ > 41	👤 admin			
ADOM Revisions 7 To	ools 🗸								
🖳 Normalized Interface 🗠	Edit Normalized	Interface							
	Name	St	WAN port7						
Virtual Wire Pair	Description	SD	WAN Zone						
Firewall Objects >	Description								
Security Profiles >									
℅ Fabric Connectors >									
User & Authentication >	Color		1						
🕏 WAN Optimize >	_								
a Dynamic Object >	Per-Platform	Mapping							
Advanced >	+ Create N	lew 🗹 Edit 🛍 Del	ete 🛛 🛱 Column Settings 🕶		٩				
CLI Only Objects >	. *	Name	Device Interface	Name	Shaping Profile				
	Create	New Per-Platform	Mapping						
	Matche	d Platform	FortiGate-VM64	•		>			
	Mappe	d Interface Name	SDWAN_port7						
	F								
					ID (Alatasada	Q			
					: IP/Neunask				
						>			
			OK	Cancel					

Policy & Objects V Pol	icy Package	s Object	Configuration	ns		ADOM: root		<u>ر</u> ھ	41	👤 admin 🗸	
ADOM Revisions \$ Tools	~										
Normalized Interface 🗸	Edit Norma	lized Inter	face								
Normalized Interface	Name										
Virtual Wire Pair	Descrip	tion		SDWAN Zone							
Firewall Objects >	Descrip										
Security Profiles >											
						 10/4096					
User & Authentication >	Color										
🕈 WAN Optimize 🔸											
♣ Dynamic Object >	Per-Plat	tform Mapp	bing								
Advanced >	+ Cre	eate New	区 Edit 道〔	Delete 🛛 🛱 Column Settin	gs 🕶					Q	
CLI Only Objects >		#	Name		Device Interface Name		Shaping Profile				
		1	FortiGate-V	M64	SDWAN_port7						
	ć										
	۲									>	
	≪ Per-Dev	vice Mannir	٦ø							>	
	< Per-Dev	vice Mappir	ìg F& ⊑dit ⇔t	Delete						>	
	< Per-Dev + Cru	vice Mappir eate New	18 区 Edit 前 [Delete Details	Type	Addressing Mod		ID/N	letmack	> Q	
	< Per-Dev + Cre No r	vice Mappir eate New Mapped D	ng 図 Edit 頭 [Nevice	Delete Details	Туре	Addressing Mod	le	IP/N	łetmask	> Q	

If you select this policy package should not be without any errors (since for this example was already on sync but we modify SDWAN_port7 to generate a common issue)

⇔	Policy & Objects 🗸	Polic	y Pa	ckages	Object Configuration	15		ADOM: root	1 1 :: •	Ø ≻ Q <mark>1</mark>	👤 admin 🗸
. 8	Policy Package 🗸 👌 Ins	tall 🗸	۲	ADOM I	Revisions 🧔 Tools 🗸	💉 Collapse All 🛛 🗧 C	Object Selector 🗸				
17 R	earch	Q	+	Create N	lew 🗸 🕑 Edit 🗸 🍵	🖞 Delete 🛃 🗸 関	v Q #3-	👁 View Mod	le 🗸 📕		<u>ର</u> 🔍
• 2	default Firewall Policy			#	Name	From	То	Source		Destination	
	Virtual Wire Pair Policy			1	SDWAN Policies	SDWAN_port8	SDWAN_port7	🖻 all		🖻 all	
	NAT64 Policy			2	internet	port2	port1	🖻 all		🛛 all	
	NAT46 Poli Proxy Policy Authenticat	all P	rev	view o	of Selected De	evices					
	IPv4 Multic IPv4 Local I IPv6 Local I FW3_2	54					L			4	
0 11	IPv4 Dos Pt The IPv6 DoS Pt IPv4 Interfa IPv6 Interfa Traffic Shap Installation Policy Block	re is no	conf	iguratior	n change when compared	d to the remote device.					

If instead of adding per platform you prefer to select the Per Device Mapping, you need to make sure "SDWAN_port7" is already available on Device layer as we see it on the left



If you have pending changes they will appear, if policy is exactly the same you will see them on install preview

Policy & Object	s V Policy Packages	Object Configurations			ADOM: root		: Ô	≻ Д1	🙎 admin 🗸
💄 Policy Package 🗸	🗄 Install 🗸 🕀 ADOM	Revisions 🦸 Tools 🗸 🛛	🖌 Collapse All	≇ Object Selecto	or 🗸				
E Search E default Firewall Policy Virtual Wire Pair P	Create New Name	v Firewall Policy	201/			2			
NAT64 Policy NAT46 Polic Proxy Policy Authenticat IPv4 Multic	install Preview	of Selected Dev	ices					٩	
IPv4 Local h IPv6 Local h IPv4 DoS Pi IPv6 DoS Pi IPv4 Interfa IPv6 Interfa Traffic Shap Installation	W3_254 There is no configuration	on change when compared t	to the remote de	evice.					

Device Manager 🗸	Devi	ce & G	roups Firmware Lice	ense Provisioning T	iemplates ; 🗸 🗛	DOM: root	: @ >_ Q1) (👤 admin 🗸	Device Manager 🗸	Devic	e & Gro	ups Firmware Lie	cense Provisioning Templat	tes : 🗸	ADOM: root 💠 🗇 >- 🖓 🚺	👤 admin 🗸
Add Device 😁 Devic	e Group 🗸	· •	Install Wizard 🗙 Tools	✓ III Table View ✓					Add Device Bevice	Group 🗸	Install	Wizard 🗙 Tools 🗸	🖬 Table View 🗸			
Managed Devices	Managed Devices A FW3_254 System : Interface Router Source Display Options								Managed Devices	4		4 Devices	O Devices		evices D D	evices
Logging Devices	4	+	Create New 🗸 🗹 Edit	t 🔋 Delete 🔎 Wi	iere Used 💉 Collapse All 🚦 🗸 🛔	i -		Q	Logging Devices	4	• 11	Total	Connection Do	Device	Config) Policy F	ackage
a Test	2	0	Name	Туре	Normalized Interface	,	Addressing Mode	IP/Netmask	a Test	2	🗹 Eo	dit ma Delete -∋ I	Import Policy 👌 Install 🗸	More 🗸 🐞 Column Setti	ngs +	Q
			Physical (6)					_				Device Name	Config Status	System Template	Policy Package Status	Firmware
			port1	Physical	≇ port1		DHCP	172.17.96.1			0	FGT1	@ Unknown		A Never installed	FortiGate
			port2	Physical	★ port2		Manual	10.0.2.254/			0	■ FGT2	O Unknown		A Never installed	FortiGate
			port3	Physical			Manual	0.0.0/0.0/			0	■ FGTVM	Unknown		A Never installed	FortiGate
			port4	Physical			Manual	0.0.0/0.0/0			0 1	FW3_254	 Synchronized 		✓ default	FortiGate
			port5	Physical			Manual	0.0.0/0.0/								
			portó	Physical			Manual	0.0.0/0.0/								
			Tunnel (1)													
			ssl.root (SSL VPN interf	I 💿 Tunnel			Manual	0.0.0/0.0.0								
			 SD-WAN Zone (5) 													
			virtual-wan-link	SD-WAN Zone												
			SDWAN_Zone	SD-WAN Zone	▲ SDWAN_Zone											
			port9	Physical			Manual	0.0.0/0.0.0								
		0	NEWSDWANZONE_pr	SD-WAN Zone	★ NEWSDWANZONE_port10											
		U	port10	Physical			Manual	0.0.0/0.0.0								
B Search	0		SDWAN_port8	SD-WAN Zone	▲ SDWAN_port8				B Search	0						
EGT1	~		port8	Physical			Manual	0.0.0/0.0.0	E FGT1	~						
E FGT2		~	SDWAN_port7	SD-WAN Zone	SDWAN_port7				E FGT2							
E FGTVM		U	port7	Physical			Manual	0.0.0.0/0.0.0	E FGTVM							
♠ FW3 254									♠ FW3 254							