

Stacking Configuration

Configuring stacking on M4300.

WARNING:

Stacking is not recommended for AV. LAG is more compatible for an AV environment with IGMP Plus. Approved stacking for av is a two-switch stack for redundant core When the switches are stacked all multicast traffic is flooded through the stack.

PTP TC is not supported within a Stack.

NETGEAR[®] AV

M4300 Stacking Configuration

This guide will go over how to stack your M4300 switches.

When working with audio/video over IP it is recommended that you only stack your CORE switches.

When stacking your switches, make sure that they are all on the latest firmware.

For this example, we are going to be stacking two M4300-8X8F using 4 ports on each switch using the AXC761 SFP+ DAC CABLE.

We will first configure the ports that we want to use for stacking and then power down the switches and connect the stacking ports, then we will power up the switches and verify they are stacked.



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Switch 1

С

IP Address: 192.168.77.111

We are first going to configure "Switch 1" and then "Switch 2," the order of configuration does not matter. Open a browser and go to the IP address of the switch.

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Login Name	Main UI allows for ad switching features.	vanced network config	guration setup with ad	ditional network
Password		Main U	I Login	
AV UI Login				
		Login using the "	'Main UI Login."	

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M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+

.ogin		0
Username*	admin	
Password	•••••	
		Login
		Login, If this is the first time accessing the switch, the username is "admin" and no password. The switch will then guide you to create a new password.

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			M4300-8X8F	F ProSAFE 8-port 10GB	BASE-T and 8	B-port 10G SFF	+				Welc	ome ad	min 💾	Ð
System Switching	g Routing	QoS	Security Monitorir	ng Maintenance	Help	Index								
Management Device View	w Services Sta	cking SNMP	LLDP Link Dependency	y ISDP Timer Schedu	ule									
Management	Application Inform	auon Clie	ck on the " Stacking " tal	ıb.						А	pply	Cancel	Ref	resh ⑦
System Information	App Name	App Status	Version	_										
• System CPU Status ~	AVUI	Running	2.2.2.16											
Switch Statistics	ConfigAgent	Operational	2.0.0.134											
USB Device Information	discAgent	Running	1.0.0.2											
Slot Information	System Informatio	n												0
Loopback Interface	Product Name		M4300-8X8E Pr	roSAFE 8-port 10GBASE-T	E and 8-port 100	G SEP+ 12.0.17	10 B1 0 0 17							_
• Management Interfaces 🗸	System Name					0.011.1, 12.0.11	10, 01.0.0.17							
•Time ~	System Location													
•DNS ~	System Contact													
SDM Template	Login Timeout		5	(0 to 160) mins	s									
Preterence	Management So	urce Interface	VI AN 1											
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	System Date		Mar 16 22:35:45	5 2023 (UTC+0:00)										

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	When stacking your switches, you will:				
← → C ▲ Not secure 192.168.77.111:49151/v1/base	1) Configure the switch priority.				
NETGEAR	 a) The switch with the highes b) The switch with the second switch goes down. (for examples of a complete second switch members) 	t priority will be the management sw I highest priority will act as the back mple: our management switch will h	witch. Highest priority is 15. sup management switch (Op have a priority of 15, and ou	or Standby), taking over Ir backup will have a pri	if the management ority of 14.)
SystemSwitchingRoutingQoSManagementDevice ViewServicesStackingSNMP	 2) Configure the Stacking ports. a) Once you change a port from 3) Power Down a) Power down all of the swith the swith	om "Ethernet" to "Stacking" the swit	tch will need to reboot in ord	der to implement the c	hanges.
Stacking Management Unit Selection	4) Connect the stacking cablesa) Make sure that you connect	t the correct ports that have been c	configured for stacking to ave	oid creating a loop.	
Basic Management Unit Selected: Stack Configuration	 Boot up in order a) You will boot up the switch 	es in the order that you want them	to be in for the initial stack (configuration.	
Advanced Stack Sample Mode					0
Sample Mode Cumulat Max samples 0 Stack Configuration	ive 🗸				Ø
Unit ID Change Switch ID	to Switch Type Hardw	are Management Preference Swit	tch Priority Management St	atus Standby Status	Switch Status
Check the box for the switch.	M4300-8X8F Unass	gned Una	× Management	None	OK
Basic Stack Status					0
Unit ID Switch Description S	erial Number Uptime	Preconfigured Model Identifier	r Plugged-in Model Identifier	Detected Code Version [Detected Code in Flas
1 M4300-8X8F 4	G3N2971D00AF 0 days, 1 hours, 42 minutes	, 55 secs M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10
NOTE: The management unit will take over the control pl	ane of all the other switches in the stack,	this will cause the OOB and console	e ports to only work on the c	current management ur	nit.

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System	Switching	Ro	uting Q	oS	Security	Monitoring		Maintenance	Help	Index									
Management	Device View	Services	s Stacking	SNMP	LLDP Lin	k Dependency	ISDP	Timer Schedule	•									_	
Stac	king	Managem	ent Unit Selecti	on										Add	Delete	Refres	sh Cano	cel Apr	oly ⑦
•Basic	~	Manager	nent Unit Selec	ted:	1 👻														
Stack Confi	iguration																		
 Advanced 	~	Stack Sam	nple Mode																
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		Stack Con	figuration															(0
		🗌 Unit	ID Change S	witch ID to) S	Switch Type		Hardware Manag	gement Prefe	erence	Switch Pri	ority	Management S	Status	Stand	by Status	Switch	n Status	
		1 v			1	W4300-8X8F	~	Unassigned			15	~	Management	~	None		OK		
		Z 1			N	//4300-8X8F		Unassigned			Unassigne	d	Management		None		OK		
		Basic Stac	k Status																0
		Unit ID	Switch Descri	ption Sei	rial Number	Uptime	12	minutos 55 com	Preconfigu	red Model Ide	ntifier Plug	gged-in	Model Identifier	Detec	ted Code \	Version	Detected C	ode in Flas	1
		1	WI4300-6X8F	46	SNZ9TIDUOA	Ar U days, 1 ho	ours, 42	minutes, 55 secs	W14300-8X8	DE	1/14:	ουυ-οΧά	Γ	12.0.1	7.10		12.0.17.10		

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v <mark>stem</mark> Switchin	ng Routing QoS Security Monitoring Maintenance Help Index			
agement Device Vie	ew Services Stacking SNMP LLDP Link Dependency ISDP Timer Schedule			
Stacking	Management Unit Selection	Add [Delete Refresh	Cancel
c ,	^ Management Unit Selected: 1 ✓			
ack Configuration				
ack Configuration	Stack Sample Mode			
tack Configuration	Sample Mode Sample Mode Max samples			
ack Configuration	Stack Sample Mode Sample Mode Cumulative ~ Max samples 0 Stack Configuration The switch now has a priority of 15.			
ack Configuration	Stack Sample Mode Sample Mode Cumulative ~ Max samples 0 Stack Configuration The switch now has a priority of 15. Unit ID Change Switch ID to Switch Type Hardware Management Preference Switch Priority Management	ement Status	Standby Status	Switch Statu
ack Configuration	Stack Sample Mode Sample Mode Cumulative ~ Max samples 0 Stack Configuration The switch now has a priority of 15. Unit ID Change Switch ID to Switch Type Hardware Management Preference Switch Priority Management ~ ~ ~ ~	ement Status ¥	Standby Status	Switch Statu
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tack Configuration	Stack Sample Mode Sample Mode Max samples 0 Stack Configuration Unit ID Change Switch ID to Switch Type Hardware Management Preference Switch Priority Management 1 M4300-8X8F Unassigned 15 Management Stack Status	ement Status v ement	Standby Status None	Switch Statu
Stack Configuration	Stack Sample Mode Sample Mode Sample Mode Max samples 0 Stack Configuration Image: Stack Status Image: Status <	ement Status v ement	Standby Status None Code Version	Switch Statu OK

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System Switching	9	Routin	g	QoS	Security	Monitoring	Maintenance	Help	Index			
Go to " Advanced " and the	en " St a	ack-port	Confi	guratio	on."	Link Dependency ISD	P Timer Schedule				Refresh	ocel Appl
Stacking	Stac	k-port Co	nfigura	tion								(C
•Basic v	· 1/	AII										
Advanced		Unit ID	Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Trans
 Stack Configuration 						¥						
Stack Status		1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
		1	0/2			Ethernet	Ethernet	Down	10	0	0	0
 Stack-port Configuration 		1	0/3			Ethernet	Ethernet	Down	10	0	0	0
Stack-port Diagnostics		1	0/4			Ethernet	Ethernet	Down	10	0	0	0
		1	0/5			Ethernet	Ethernet	Down	10	0	0	0
 Stack Firmware Synchronization 		1	0/6			Ethernet	Ethernet	Down	10	0	0	0
NOE		1	0/7			Ethernet	Ethernet	Down	10	0	0	0
NSF V		1	0/8			Ethernet	Ethernet	Down	10	0	0	0
		1	0/9			Ethernet	Ethernet	Up	10	0	0	0
		1	0/10			Ethernet	Ethernet	Up	10	0	0	0
		1	0/11			Ethernet	Ethernet	Up	10	0	0	0
		1	0/12			Ethernet	Ethernet	Up	10	0	0	0
		1	0/13			Ethernet	Ethernet	Down	10	0	0	0
							Ethorpot	Up	10	0	0	0
		1	0/14			Ethernet	Luiemet	- P				
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					M4300-8X8F ProSA	VFE 8-port 10GBASE	E-T and 8-p	ort 10G SFP+			Welcome admin
System Switching	Routi	ng	QoS	Security	Monitoring	Maintenance	Help	Index			
Management Device View	Services	Stackin	ng SN	IMP LLDP	Link Dependency ISD	P Timer Schedule					
											Refresh Cancel Apply
Stacking	Stack-port C	onfigurat	tion	Check the h	oves for the ports that	you want to use for	stacking th	en click on the dro	a-down and select "Sta	ck "	2
Stacking		-	_	Check the b		you want to use for	stacking, th	en click on the dro	J-down and select Sta		
Basic Y	1 All		_								
Advanced ^) Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbp	c) Transmit Er	or Pate (Errore/e) Total Tran
 Stack Configuration 					Stack 🗸					After selecti	ng the ports click on "Apply."
Stack Status	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
• Stack-port	Z 1	0/2			Ethernet	Ethernet	Down	10	0	0	0
Configuration	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
 Stack-port Diagnostics 	Z 1	0/4			Ethernet	Ethernet	Down	10	0	0	0
• Stack Firmwaro	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
Synchronization	Z 1	0/6			Ethernet	Ethernet	Down	10	0	0	0
NSE	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
NOI V	1	0/8			Ethernet	Ethernet	Down	10	0	0	0
	1	0/9			Ethernet	Ethernet	Up	10	0	0	0
	1	0/10			Ethernet	Ethernet	Up	10	0	0	0
	1	0/11			Ethernet	Ethernet	Up	10	0	0	0
	1	0/12			Ethernet	Ethernet	Up Fo	or this example, we	are using ports 2, 4, 6,	and 8.	
	1	0/13			Ethernet	Ethernet	Down	NETGEAR			MANDARYSE
	1	0/14			Ethernet	Ethernet	Up	PROSAFE Console 115200, N. R. 1	SIT+ LED: Green=10G, Yellow=1G, Bink=A		
	1	0/15			Ethernet	Ethernet	Down	Fon Stock ID			
	1	0/16			Ethernet	Ethernet	Down	• Lost			
	1 All						L	Constant (USB) 110000, N. 8. 1 USB Status Strong	1944 1945 1947 1947 1947 1947 1947 1947 1947 1947		
	NOTE: the	"Runni	ing Sta	ck Mode" will	not switch over to " St	ack" or "Ethernet" u	Intil the dev	vice is reported			

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						M4300-8X8F ProS/	AFE 8-port 10GBASE	E-T and 8-po	ort 10G SFP+		Welcome	admin 💾
System Switching		Routin	g	QoS	Security	Monitoring	Maintenance	Help	Index			
Management Device View	S	ervices	Stack	ng Sl	NMP LLDP	Link Dependency ISD	P Timer Schedule					
											Refresh Car	ncel Ap
Stacking	Stac	k-port Co	nfigura	tion								
Basic	1/	AII.										
Adversed			Deat	T	Deaduatesana	Conformed Oracle Made	Durada - Otack Mada	Link Otatura		Terreration Data (Miser)	Terreral's Cares Data (Caresala)	Tetel Tees
Advanced ^		Unit ID	Ροπ	туре	Product name	Configured Stack Mode	Running Stack Mode	LINK Status	LINK Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	lotal Irar
 Stack Configuration 						~						
 Stack Status 		1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
 Stack-port 		1	0/2			Stack	Ethernet	Down	10	0	0	0
Configuration		1	0/3			Ethernet	Ethernet	Down	10	0	0	0
 Stack-port Diagnostics 		1	0/4			Stack	Ethernet	Down	10	0	0	0
 Stack Firmware 		1	0/5			Etnernet	Ethernet	Down	10	0	0	0
Synchronization		1	0/6			Stack	Ethernet	Down	10	0	0	0
NSF v		1	0/7			Stock	Ethernet	Down	10	0	0	0
		1	0/0			Ethernet	Ethernet	Un	10	0	0	0
		1	0/10			Ethernet	Ethernet	Un	10	0	0	0
		1	0/11			Ethernet	Ethernet	Un	10	0	0	0
		1	0/12			Ethernet	Ethernet	Up	10	0	0	0
	_	4	0/13			Ethernet	Ethernet	Down	10	0	0	0
									10	0	0	0
		1	0/14			Ethernet	Ethernet	Up	10	0	0	0
		1	0/14 0/15			Ethernet Ethernet	Ethernet Ethernet	Up Down	10	0	0	0

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Switch 2

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IP Address: 192.168.77.112

We are now going to configure the stacking ports on switch 2. Open a browser and go to the IP address of the second switch.

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Login Name	Main UI allows for advanced network configuration setup with additional network switching features.	٦
Password	Main UI Login	
AV ULLogin		
	Login using the " Main UI Login ."	



M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+

Username*	admin	
Password	•••••	
		Login
		Login, If this is the first time accessing the switch
		the username is "admin" and no password. The switch will then guide you to create a new
		password.

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		M4300-8X8F ProSAFE 8	-port 10GBASE-T and 8	8-port 10G SFP+		Welcome admin 💾 🕣
System Switching	n Routing QoS	Security Monitoring Mai	ntenance Help	Index		
Management Device View	w Services Stacking SNMP	LDP Link Dependency ISDP T	imer Schedule			
Management	Application Information Cli	k on the " Stacking " tab.				Apply Cancel Refresh
System Information	App Name App Status	Version				
• System CPU Status ~	AVUI Running	2.2.2.16				
 Switch Statistics 	ConfigAgent Operational	2.0.0.134				
USB Device Information	discAgent Running	1.0.0.2				
 Slot Information 	System Information					0
Loopback Interface	Product Name	M4300-8X8E ProSAEE 8-port	10GBASE-T and 8-port 10	G SEP+ 12 0 17 10 B1 0 0 17		
• Management Interfaces 🗸 🗸	System Name					
• Time ~	System Location					
•DNS ~	System Contact					
SDM Template	Login Timeout	5 (0	to 160) mins			
Preterence	Management Source Interface					
Boniour	IDv4 Management Address	102 109 77 112/255 255 255 0				
	IPv4 Management Address	192.100.77.112/200.200.200.0	1			
• TETD Sonvor	IPvo Management Address	VI AN 4				
- IT IF Server	IPv4 Management Interface	<u>VLAN 1</u>				
	IPv6 Management Interface					
	IPv4 Loopback Interface					
	PV6 Loopback Interface					
	System Date	Mar 16 22:45:10 2023 (UTC+0	1:00)			

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		M4300-8X8F ProSAF	E 8-port 10GB	SE-T and 8-port 10G	SFP+			Welco	ome admir	1 💾 🗐
System Switching	Routing QoS Securit	y Monitoring	Maintenance	Help Index						
Management Device View	Services Stacking SNMP LLDP	Link Dependency ISDP	Timer Schedule	•		_				
Stacking •Basic ^	Management Unit Selected: 1 v]				A	dd Delete	Refresh	Cancel	Apply
Stack Configuration	Stack Sample Mode									0
•NSF ~	Sample ModeCumulative ~Max samples0									
	Stack Configuration									0
	Unit ID Change Switch ID to	Switch Type	Hardware Manag	jement Preference	Switch Priority	Management St	atus Standby	Status	Switch Stat	us
Check the box	×	v			~	×	·		01/	
for the switch.		M4300-8X8F	Unassigned		Unassigned	Management	None		OK	
	Basic Stack Status									0
	Unit ID Switch Description Serial Num	ber Uptime		Preconfigured Model Ider	ntifier Plugged-in	Model Identifier	Detected Code Ver	sion Detec	cted Code ir	i Flasł
	1 M4300-8X8F 4G3N2979	0 days, 0 hours, 26	minutes, 28 secs	M4300-8X8F	M4300-8X8	F	12.0.17.10	12.0.1	17.10	

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	M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+		Welcome admin
stem Switching	Routing QoS Security Monitoring Maintenance Help Index		
gement Device Viev	Services Stacking SNMP LLDP Link Dependency ISDP Timer Schedule		
Stacking	Management Unit Selected: 1 -	Add Delete	Refresh Cancel
ck Configuration	Stack Sample Mode		
~	Sample Mode Cumulative ~		
	Max samples 0 This switch is going to be the backup management (Opr Standby) unit	, so we	
	are going to give this switch a priority of "14" and then click on "Appl	y ."	
	Stack Configuration		
	Unit ID Change Switch ID to Switch Type Hardware Management Preference Switch Priority Management	Status Standby	Status Switch Status
	1 v M4300-8X8F v Unassigned 14 v Management	✓ None	ОК
	✓ 1 M4300-8X8F Unassigned Unassigned Management	None	OK

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System Switching	Routir	ng	QoS	Security	Monitoring	Maintenance	Help	Index			
				LLDP	Link Dependency ISD	P Timer Schedule					
Go to "Advanced" and the	n " Stack-por t	t Confi	guratio	on."						Refresh Car	ncel Appl
Stacking											
Stacking	1 All										
•Basic v	Unit ID	Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Trans
•Advanced ^					~						
 Stack Configuration 	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
Stack Status	1	0/2			Ethernet	Ethernet	Down	10	0	0	0
	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
 Stack-port Configuration 	1	0/4			Ethernet	Ethernet	Down	10	0	0	0
- Stack part Diagnostics	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
- Stack-port Diagnostics	1	0/6			Ethernet	Ethernet	Down	10	0	0	0
 Stack Firmware Synchronization 	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
Synchronization	1	0/8			Ethernet	Ethernet	Down	10	0	0	0
•NSF v	1	0/9			Ethernet	Ethernet	Down	10	0	0	0
	1	0/10			Ethernet	Ethernet	Down	10	0	0	0
	1	0/11			Ethernet	Ethernet	Down	10	0	0	0
	1	0/12			Ethernet	Ethernet	Down	10	0	0	0
	1	0/13			Ethernet	Ethernet	Down	10	0	0	0
	1	0/14			Ethernet	Ethernet	Down	10	0	0	0
		0/45			Ethernet	Ethernet	Down	10	0	0	0
	1	0/15									

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ETGEAR [®]												
						M4300-8X8F ProSA	FE 8-port 10GBASE	E-T and 8-po	ort 10G SFP+			Welcome admin
System Switch	ing	Routin	g	QoS	Security	Monitoring	Maintenance	Help	Index			
anagement Device V	/iew	Services	Stack	ing S	NMP LLDP	Link Dependency ISD	P Timer Schedule					
											"	Refresh Cancel
011					Check the b	oxes for the ports that	you want to use for	stacking, the	en click on the dro	p-down and select "Staci	κ."	
Stacking	1	All									_	
isic	~ (Unit ID	Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit E	Frror Rate (Errors/s) Total
vanced	^					Stack 🗸						
Stack Configuration	(0 1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	After select	ing the ports click on "A
tack Status		v 1	0/2			Ethernet	Ethernet	Down	10	0	0	0
		1	0/3			Ethernet	Ethernet	Down	10	0	0	0
Stack-port Configuration		🖌 1	0/4			Ethernet	Ethernet	Down	10	0	0	0
tack-port Diagnostics	(1	0/5			Ethernet	Ethernet	Down	10	0	0	0
lack-poir Diagnostics		v 1	0/6			Ethernet	Ethernet	Down	10	0	0	0
stack Firmware	(1	0/7			Ethernet	Ethernet	Down	10	0	0	0
-		🖌 1	0/8			Ethernet	Ethernet	Down	10	0	0	0
F	¥ (1	0/9			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/10			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/11			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/12			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/13			Ethernet	Ethernet	Down Fo	r this example, we	are using ports 2, 4, 6, a	nd 8.	
	(1	0/14			Ethernet	Ethernet	Down	IETCEAD EDEDE			
	(1	0/15			Ethernet	Ethernet	Down	PROSAPE Console 115200, N.K.1	SP+ LED Green=100, Wilow=10, Bink=ACT		Green=10G, Yalow=100W/1G, Blink=ACT
		1	0/16			Ethernet	Ethernet	Down	Fan Stock ID			
									Reset			
	1	All							Canada (USB) USB 570 008 ACT			

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IETGEAR												
						M4300-8X8F ProSA	FE 8-port 10GBASE	E-T and 8-po	ort 10G SFP+		Welcome	admin 占
System Switchi	ng	Routi	ng	QoS	Security	Monitoring	Maintenance	Help	Index			
lanagement Device Vi	ew	Services	Stack	ing S	NMP LLDP	Link Dependency ISD	P Timer Schedule					
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Stacking												
Basic	1 × 7			-	D	0.0.10.111	D			T		T . 1 T
	i l	_ Unit ID	Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	lotal Ir
Advanced	^					~						
 Stack Configuration 	(1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
Stack Status	(1	0/2			Stack	Ethernet	Down	10	0	0	0
Stock port	(1	0/3			Ethernet	Ethernet	Down	10	0	0	0
Configuration	(1	0/4			Stack	Ethernet	Down	10	0	0	0
Stack-nort Diagnostics	(1	0/5			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/6			Stack	Ethernet	Down	10	0	0	0
Stack Firmware	(1	0/7			Ethernet	Ethernet	Down	10	0	0	0
ognomentomentom	(1	0/8			Stack	Ethernet	Down	10	0	0	0
SF	× (1	0/9			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/10			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/11			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/12			Ethernet	Ethernet	Down	10	0	0	0
	(1	0/13			Ethernet	Ethernet	Down	10	0	0	0
	0	1	0/14			Ethernet	Ethernet	Down	10	0	0	0
	1					Eth ann at	Ethernet	Down	10	0	0	0
	(1	0/15			Ethernet	Lutemet	Domi	10	•	•	

1 All

Now that we have the ports on both switches configured, we are going to power down both the switches and connect the stacking ports.



←

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Switch 1

С

IP Address: 192.168.77.111

We are going to verify that the switches are stacked, and all the stacking ports are up. Open a browser and go to the IP address of "Switch 1." (management unit Switch)

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Login Name	Main UI allows for ad- switching features.	vanced network config	guration setup with ad	ditional network
Password		Main U	I Login	
AV ULL ogin				
		Login using the '	'Main UI Login."	



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M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+

Login		0
Username*	admin	
Password	••••••	
		Login

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			M430)-8X8F ProS	SAFE 8-port 10GBA	ASE-T and 8	8-port 10G S	⁼P+				v	elcom	e admi	in 💾	Ð
System Switching	Routing	QoS	Security M	onitoring	Maintenance	Help	Index									
Management Device View	Services Stackin	ng SNMP	LLDP Link Depe	ndency ISI	DP Timer Schedule	е										
Management	Application Informatio	on Cl	lick on the " Stacki	าg " tab.								Apply	Ca	ncel	Refre	esh ⑦
System Information	App Name	App Status	Version													
• System CPU Status ~	AVUI	Running	2.2.2.16													
Switch Statistics	ConfigAgent	Operational	2.0.0.134													
USB Device Information	discAgent	Running	1.0.0.2													
 Slot Information 	System Information															0
 Loopback Interface 	Product Name		M4300-8	X8F ProSAFE	E 8-port 10GBASE-T a	and 8-port 10	G SFP+, 12.0.1	7.10. B1.0.0.17								
•Management Interfaces 🗸	System Name						,									
• Time 🗸 🗸	System Location															
•DNS ~	System Contact															
SDM Template Preference	Login Timeout		5		(0 to 160) mins											
• Green Ethernet 🗸 🗸	Management Source	e Interface	VLAN 1	~												
•Bonjour v	IPv4 Management A	Address	<u>192.168.</u>	77.111/255.25	55.255.0											
•PTP TC v	IPv6 Management A	Address														
TFTP Server	IPv4 Management Ir	nterface	VLAN 1													
	IPv6 Management Ir	nterface														
	IPv4 Loopback Inter	rface														
	IPv6 Loopback Inter	rface														
	System Date		Mar 22 2	1:39:30 2023	(UTC+0:00)											

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NETGEAR																
				M4300-8X8F F	roSAFE	8-port 10GB	ASE-T and	8-port 10G S	SFP+				Wel	come adm	nin 💾 🕴	Ð
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Management Device	e View Service	s Stacking SNN	1P LLDP Lir	nk Dependency	ISDP	Timer Schedul	e			_						
Stacking	Managen	ent Unit Selection									Add	Delete	Refresh	Cancel	Apply	
• Basic	^ Manage	ment Unit Selected:	1 ¥													
Stack Configuration Advanced	~								9. d							
•NSF	Stack Sa	nple Mode				Here man	e we can se agement st	e that the sw atus, the "Sv	vitches are stac vitch Status," a	nd the					0	
	Sample	Mode	ulative 🗸			firm	ware versic	on that the sv	vitches are on.							
	Max sar	nples 0				_										
	Stack Co	nfiguration													0	
	🗌 Uni	t ID Change Switch	ID to	Switch Type	ŀ	Hardware Mana	gement Prefe	erence	Switch Priority	Management	Status	Standb	y Status	Switch S	tatus	
					~				×		~		- -			
			1	M4300-8X8F	l	Jnassigned			15	Management		None Opr St	andhu	OK		
			I	WI43UU-6X6F	l	Jnassigned			14	Stack Membe	9L	Opr St	andby	UK		
	Basic Sta	ck Status													0	
	Unit ID	Switch Description	Serial Number	Uptime			Preconfig	ured Model Id	entifier Plugged	I-in Model Identif	ier Det	ected Code	Version D	etected Co	de in Fla	
	1	M4300-8X8F	4G3N2971D00	AF 5 days, 22 h	nours, 47 m	minutes, 17 sec	s M4300-82	X8F	M4300-	8X8F 8X8F	12.0).17.10	1	2.0.17.10		
	-	111-300-0701	403112313001	52 5 days, 22 l	10010, 441	minutes, 0 3603	101-4-50-0-07		141-4-500-	0/10/	12.0	7.17.TV	_	2.0.17.10		

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						M4300-8X8F ProSA	AFE 8-port 10GBASE	-T and 8-po	ort 10G SFP+			Welcome	admin
ystem Switching		Routing]	QoS	Security	Monitoring	Maintenance	Help	Index				
					LLDP	Link Dependency ISD	P Timer Schedule						
"Advanced" and ther	n "Stac	ck-port	Confi	guratio	on."							Refresh Car	icel
Oten Line	Stack	-port Co	nfiqura	tion		Here we can see that	at all of the ports we	configured	are up, we can also	o see the type			
Stacking			5			(SFP+), the product	name (AXC761), and	the link sp	eed for these ports	is 10Gbps.			
<u> </u>	12,	All											_
inced ^		Unit ID	Port	Туре	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mb	ops) Transmit E	Error Rate (Errors/s)	Total
ck Configuration						~							
ck Status		1	0/1			Ethernet	Ethernet	Down	10	0	0		0
ek port		1	0/2	SFP+	AXC761	Stack	Stack	Up	10	0	0		0
ck-port		1	0/3			Ethernet	Ethernet	Down	10	0	0		0
nfiguration					AXC761	Stack	Stack	Up	10	0	0		0
ck-port Diagnostics		1	0/4	SFP+	7000101								
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		M4300-8X8F ProSAF	E 8-port 10GBASE-T and	d 8-port 10G SFP+			V	lelcome ad	min 💾	Ð
System Switching	Routing QoS	Security Monitoring	Maintenance Help	Index						
Go to " Stack Firmware Syn	chronization."	LLDP Link Dependency ISDP	Timer Schedule				Refres	h Cance	l App	ly
Stacking	Stack Firmware Synchronization					_				?
•Basic ~ •Advanced ^	Stack Firmware Auto Upgrade Traps	Disable Enable	We are going to enable switches on the stack w	e "Stack Firmware Auto Upg vill be upgraded during the f	grade" so that all the firmware upgrade pr	ocess.				
 Stack Configuration 	Allow Downgrade	🔿 Disable 💿 Enable								
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 Stack-port Configuration 										
 Stack-port Diagnostics 										
Stack Firmware Synchronization										
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NETGEAR			
		M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+	Welcome admin
System Switching	Routing QoS	Security Monitoring Maintenance Help Index	
Management Device View	Services Stacking SNMP	LLDP Link Dependency ISDP Timer Schedule	
			Refresh Cancel Apply
Stacking	Stack Firmware Synchronization		0
•Basic ~	Stack Firmware Auto Upgrade	🔿 Disable 💿 Enable	
• Advanced ^	Traps	O Disable 💿 Enable	Click on " Apply ."
 Stack Configuration 	Allow Downgrade	🔿 Disable 💿 Enable	
Stack Status			
 Stack-port Configuration 			
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System Switching Management Device View	g Ro w Service	utina OnC Socurity Monitorina Mointonanco Holn Indov					Cance	I Арр	bly
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 Stack Configuration 	Allow D	Verify that NSE is enabled							
 Stack Status 									
Stack-port Configuration									
 Stack-port Diagnostics 									
 Stack Firmware Synchronization 									
•NSF ~									
							_		
		We are now going to look at the "AV UI" to see the stack.							

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C Login Name					
Password —		Ø			
	AV UI Login				
Login using the "AV UI Login."					

Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

NETGEA	R°			Ø Save ට R	eboot Question/Help \vee	admin 🗸
➢ Configure	Configure Overview	To st	view the ports from the ack click on the " Stack U	other units in the nit " drop-down.	Unit 1: N	Stack Unit 14300-8X8F Mgmt Sw 🛛 🗸
Overview	M4300-8X8F					Show Legends
Network Profiles						
Link Aggregation		s 3 s	5 5° 7 5°	9	11 13	15
Multicast	2	S 4 S	6 S 8 S	10	12 14	16
Neighbor	O Connected	O Connecte	ed & Powered	O Error	Disab	led
Port configuration	Available	Ø Blocked		Admin Down	🛆 Warni	ng
	Force-Authorized	🛠 Force-Ur	authorized	L LAG	T VLAN	Trunk
Security	A Auto Trunk	+ PoE		PoE Disabled	🕂 Force	Multicast
Maintenance	S 1G SFP Fiber Por	t S + 10G SFF	P+ Fiber Port			
Diagnostics	~					
	Device Details					
	Product Name	Sarial Number	Madal	Data & Time	Country	Degion

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← → C ▲ Not secure 192.1	68.77.111/#/configure/overview					☞ ☞ ☆	C 🗢 📼 \Rightarrow 🗖 (M :	
NETGEAR [®]	<u></u>			@ Save	D Reboot Ques	stion/Help \vee	admin ~	Â	
🚫 Configure ^	Overview Configure Overview	When configuring profi menu to select the por	/hen configuring profiles, you will have a similar drop-down nenu to select the ports on the other switches in the stack.				Stack Unit Unit 2: M4300-8X8F Stack Mbr / Oper Stby ∨		
Overview	M4300-8X8F						Show Legends		
Network Profiles									
Link Aggregation	1 5+	3 S S	2 S	9	11	13	15		
Multicast	2 S*	4 S ³	8 59	10	12	14	16		
Neighbor	 Connected 	O Connected &	Powered	O Error		Disabled			
Port configuration	Available	Ø Blocked		Admin Down		\land Warning			
Socurity	Second Se	🛠 Force-Unauth	orized	L LAG		T VLAN Trui	nk		
Security	A Auto Trunk	+ PoE		 PoE Disabled 		Force Mu	lticast		
Maintenance	S 1G SFP Fiber Port	S⁺ 10G SFP+ Fi	ber Port						
🖏 Diagnostics									
	Device Details								
	Product Name M4300	Serial Number 4G3N2979D0132	Model M4300-8X8F	Date & Tin 2022-11-2:	ne 2 09:08:18 🖉	Country/Reg N/A	jion		



Provide as the OF 1055 DAY 200 of \$10000 Exercise developed and

present on Ritger or Octorian

Engineered for AV over IP

Gittland AVYAZ and Anna A