



## 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

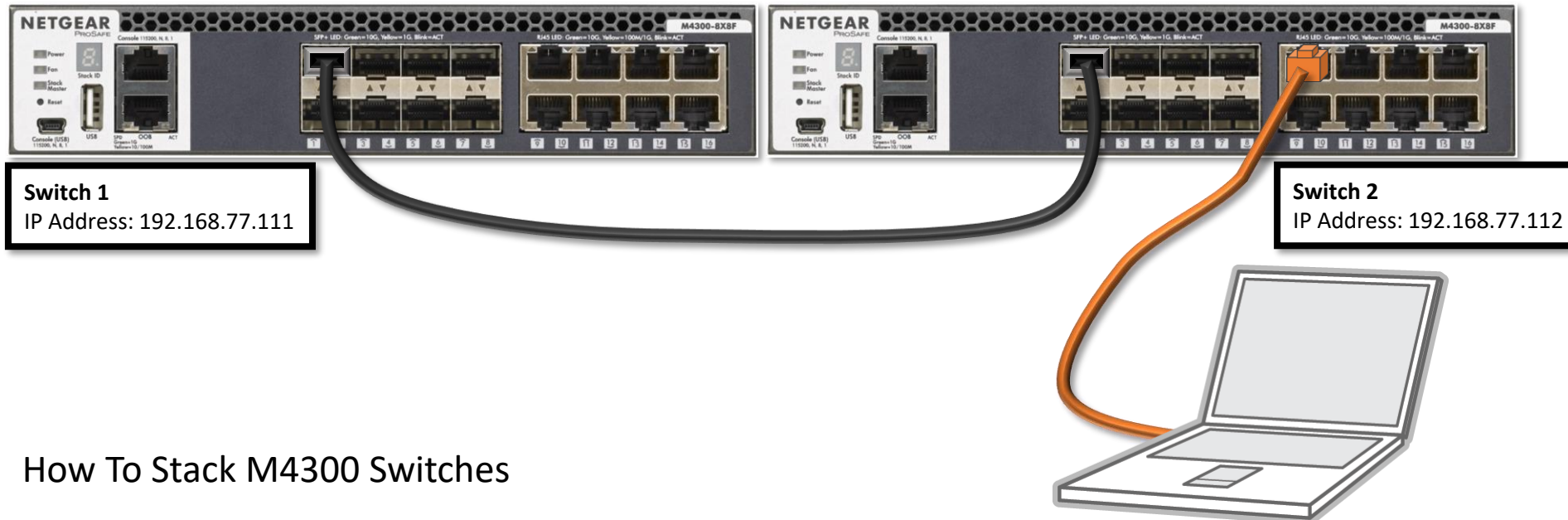
This guide will go over how to stack your M4300 switches.

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.



## How To Stack M4300 Switches

**Switch 1**  
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.

# NETGEAR®

Login Name

Password

AV UI Login

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

Main UI Login

Login using the "Main UI Login."

**NETGEAR®**

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

### Login



Username\*

Password

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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- USB Device Information
- Slot Information
- Loopback Interface
- Management Interfaces
- Time
- DNS
- SDM Template Preference
- Green Ethernet
- Bonjour
- PTP TC
- TFTP Server

### Application Information

Click on the "Stacking" tab.

App Name	App Status	Version
AVUI	Running	2.2.2.16
ConfigAgent	Operational	2.0.0.134
discAgent	Running	1.0.0.2

### System Information

Product Name: M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+, 12.0.17.10, B1.0.0.17

System Name:

System Location:

System Contact:

Login Timeout:  (0 to 160) mins

Management Source Interface:

IPv4 Management Address: [192.168.77.111/255.255.255.0](#)

IPv6 Management Address: [VLAN 1](#)

IPv4 Management Interface: [VLAN 1](#)

IPv6 Management Interface:

IPv4 Loopback Interface:

IPv6 Loopback Interface:

System Date: Mar 16 22:35:45 2023 (UTC+0:00)

Management Unit Selection Management Unit Selected:

Stack Sample Mode

Sample Mode Cumulative Max samples 0

Stack Configuration

Table with columns: Unit ID, Change Switch ID to, Switch Type, Hardware Management Preference, Switch Priority, Management Status, Standby Status, Switch Status. Row 1: 1, M4300-8X8F, Unassigned, Unassigned, Management, None, OK.

Check the box for the switch.

Basic Stack Status

Table with columns: Unit ID, Switch Description, Serial Number, Uptime, Preconfigured Model Identifier, Plugged-in Model Identifier, Detected Code Version, Detected Code in Flas. Row 1: 1, M4300-8X8F, 4G3N2971D00AF, 0 days, 1 hours, 42 minutes, 55 secs, M4300-8X8F, M4300-8X8F, 12.0.17.10, 12.0.17.10.

When stacking your switches, you will:

- 1) Configure the switch priority.
a) The switch with the highest priority will be the management switch. Highest priority is 15.
b) The switch with the second highest priority will act as the backup management switch (Opr Standby), taking over if the management switch goes down.
c) All other switch members in a stack with more than two switches can remain as "Unassigned" for their priority.
2) Configure the Stacking ports.
a) Once you change a port from "Ethernet" to "Stacking" the switch will need to reboot in order to implement the changes.
3) Power Down
a) Power down all of the switches in the stack.
4) Connect the stacking cables
a) Make sure that you connect the correct ports that have been configured for stacking to avoid creating a loop.
5) Boot up in order
a) You will boot up the switches in the order that you want them to be in for the initial stack configuration.

NOTE: The management unit will take over the control plane of all the other switches in the stack, this will cause the OOB and console ports to only work on the current management unit.

Add | Delete | Refresh | Cancel | **Apply**

- Stacking
  - Basic
  - Stack Configuration**
  - Advanced
  - NSF

**Management Unit Selection**

Management Unit Selected:

---

**Stack Sample Mode**

Sample Mode:

Max samples:

We are going to give this switch a priority of "15" and then click on "Apply."

**Stack Configuration**

<input type="checkbox"/>	Unit ID	Change Switch ID to	Switch Type	Hardware Management Preference	Switch Priority	Management Status	Standby Status	Switch Status
<input type="checkbox"/>	<input type="text" value="1"/>	<input type="text"/>	M4300-8X8F	Unassigned	<input type="text" value="15"/>	Management	None	OK
<input checked="" type="checkbox"/>	1		M4300-8X8F	Unassigned	Unassigned	Management	None	OK

**Basic Stack Status**

Unit ID	Switch Description	Serial Number	Uptime	Preconfigured Model Identifier	Plugged-in Model Identifier	Detected Code Version	Detected Code in Flas
1	M4300-8X8F	4G3N2971D00AF	0 days, 1 hours, 42 minutes, 55 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10

- Stacking
  - Basic
  - Stack Configuration
  - Advanced
  - NSF

Management Unit Selection

Management Unit Selected: 1

Stack Sample Mode

Sample Mode: Cumulative  
Max samples: 0

Stack Configuration

<input type="checkbox"/>	Unit ID	Change Switch ID to	Switch Type	Hardware Management Preference	Switch Priority	Management Status	Standby Status	Switch Status
<input type="checkbox"/>	1		M4300-8X8F	Unassigned	15	Management	None	OK

The switch now has a priority of 15.

Basic Stack Status

Unit ID	Switch Description	Serial Number	Uptime	Preconfigured Model Identifier	Plugged-in Model Identifier	Detected Code Version	Detected Code in Flas
1	M4300-8X8F	4G3N2971D00AF	0 days, 1 hours, 43 minutes, 44 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10

**NOTE:** If multiple switches have the same priority or have "unassigned" priority, the one with the highest MAC address will become the management unit.





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Go to "Advanced" and then "Stack-port Configuration."

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- ISDP
- Timer Schedule

Refresh Cancel Apply

- Stacking
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  - Stack-port Diagnostics
  - Stack Firmware Synchronization
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Stack-port Configuration

1 All

<input type="checkbox"/>	Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Trans
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/2			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/4			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/6			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/8			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0	0

1 All



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

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Refresh Cancel **Apply**

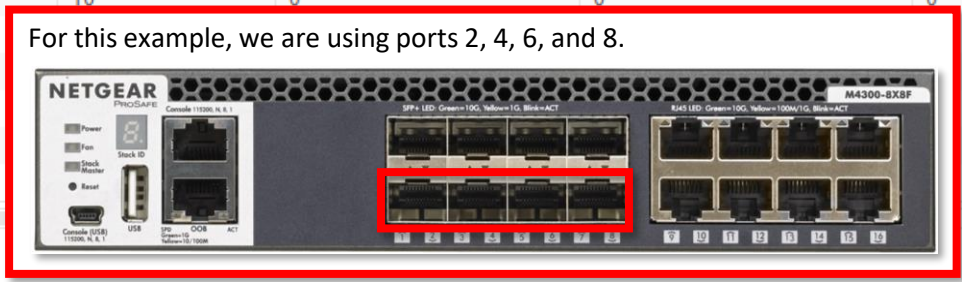
- Stacking
  - Basic
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    - Stack-port Configuration**
    - Stack-port Diagnostics
    - Stack Firmware Synchronization
  - NSF

#### Stack-port Configuration

Check the boxes for the ports that you want to use for stacking, then click on the drop-down and select "Stack."

Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Tx
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0
<input checked="" type="checkbox"/>	1	0/2			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/4			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/6			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/8			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Up	10	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Up	10	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Up	10	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Up	10	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Up	10	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0

After selecting the ports click on "Apply."



**NOTE:** the "Running Stack Mode" will not switch over to "Stack" or "Ethernet" until the device is rebooted.



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

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Refresh Cancel Apply

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    - Stack-port Configuration**
    - Stack-port Diagnostics
    - Stack Firmware Synchronization
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Stack-port Configuration

1 All

<input type="checkbox"/>	Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Trans
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/2			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/4			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/6			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/8			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0	0

1 All

**Switch 2**  
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.

# NETGEAR®

Login Name

Password

**AV UI Login**

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

**Main UI Login**

Login using the "Main UI Login."

NETGEAR®

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

## Login

Username\*

Password

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.



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

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Apply Cancel Refresh

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  - System CPU Status
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  - USB Device Information
  - Slot Information
  - Loopback Interface
  - Management Interfaces
  - Time
  - DNS
  - SDM Template Preference
  - Green Ethernet
  - Bonjour
  - PTP TC
  - TFTP Server

Application Information

Click on the "Stacking" tab.

App Name	App Status	Version
AVUI	Running	2.2.2.16
ConfigAgent	Operational	2.0.0.134
discAgent	Running	1.0.0.2

System Information

Product Name: M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+, 12.0.17.10, B1.0.0.17

System Name:

System Location:

System Contact:

Login Timeout:  (0 to 160) mins

Management Source Interface:

IPv4 Management Address: [192.168.77.112/255.255.255.0](#)

IPv6 Management Address:

IPv4 Management Interface: [VLAN 1](#)

IPv6 Management Interface:

IPv4 Loopback Interface:

IPv6 Loopback Interface:

System Date: Mar 16 22:45:10 2023 (UTC+0:00)



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

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Add Delete Refresh Cancel Apply

- Stacking
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  - Stack Configuration**
  - Advanced
  - NSF

Management Unit Selected: 1

#### Stack Sample Mode

Sample Mode: Cumulative

Max samples: 0

#### Stack Configuration

<input type="checkbox"/>	Unit ID	Change Switch ID to	Switch Type	Hardware Management Preference	Switch Priority	Management Status	Standby Status	Switch Status
<input type="checkbox"/>	1		M4300-8X8F	Unassigned	Unassigned	Management	None	OK

Check the box for the switch.

#### Basic Stack Status

Unit ID	Switch Description	Serial Number	Uptime	Preconfigured Model Identifier	Plugged-in Model Identifier	Detected Code Version	Detected Code in Flash
1	M4300-8X8F	4G3N2979D0132	0 days, 0 hours, 26 minutes, 28 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10

Add Delete Refresh Cancel **Apply**

- Stacking
  - Basic
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  - Advanced
  - NSF

Management Unit Selected: 1

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 "Apply."

Stack Configuration

<input type="checkbox"/>	Unit ID	Change Switch ID to	Switch Type	Hardware Management Preference	Switch Priority	Management Status	Standby Status	Switch Status
<input type="checkbox"/>	1		M4300-8X8F	Unassigned	14	Management	None	OK
<input checked="" type="checkbox"/>	1		M4300-8X8F	Unassigned	Unassigned	Management	None	OK

Basic Stack Status

Unit ID	Switch Description	Serial Number	Uptime	Preconfigured Model Identifier	Plugged-in Model Identifier	Detected Code Version	Detected Code in Flash
1	M4300-8X8F	4G3N2979D0132	0 days, 0 hours, 27 minutes, 15 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10

**NOTE:** If the management unit switch goes down the switch with the next highest priority will take over as the management unit. If the "Switch Priority" has not been set, then the one with the next highest MAC address will take over.





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

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Go to "Advanced" and then "Stack-port Configuration."

Refresh Cancel Apply

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  - Stack-port Diagnostics
  - Stack Firmware Synchronization
- NSF

1 All

	Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Tran:
<input type="checkbox"/>											
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/2			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/4			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/6			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/8			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0	0

1 All



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

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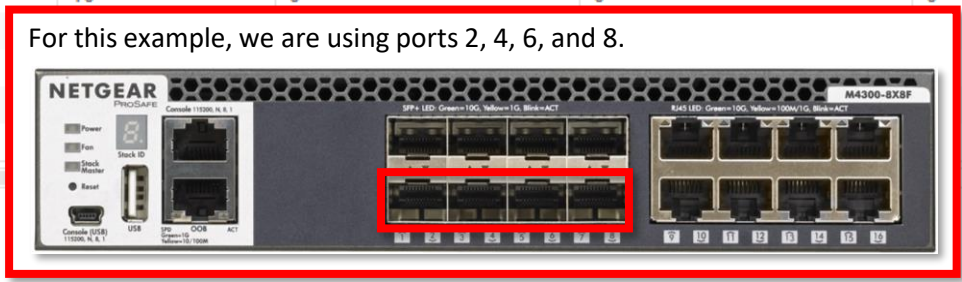
Check the boxes for the ports that you want to use for stacking, then click on the drop-down and select "Stack."

Refresh Cancel **Apply**

- Stacking
  - Basic
  - Advanced
    - Stack Configuration
    - Stack Status
    - Stack-port Configuration**
    - Stack-port Diagnostics
    - Stack Firmware Synchronization
  - NSF

Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Tran
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	
<input checked="" type="checkbox"/>	1	0/2			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/4			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/6			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0
<input checked="" type="checkbox"/>	1	0/8			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0

After selecting the ports click on "Apply."



**NOTE:** Though we are using the same ports on both switches, you do not have to use the same ports to stack switches.



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

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Refresh Cancel Apply

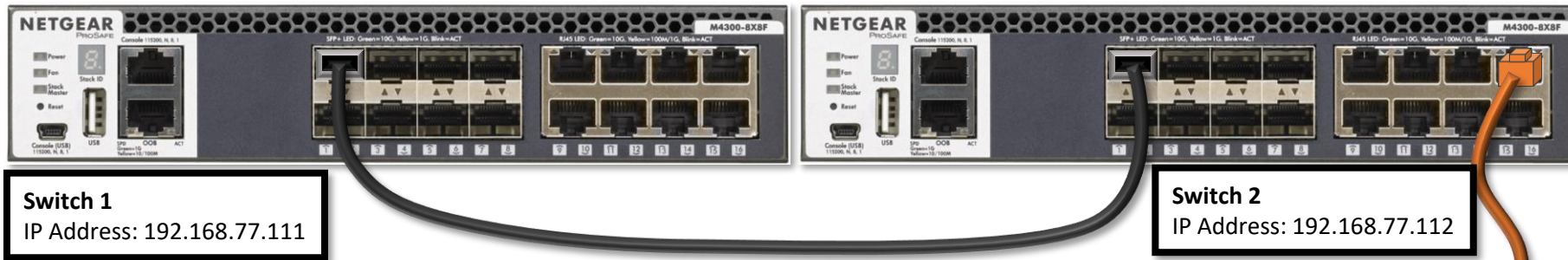
- Stacking
  - Basic
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    - Stack Status
    - Stack-port Configuration**
    - Stack-port Diagnostics
    - Stack Firmware Synchronization
  - NSF

1 All

<input type="checkbox"/>	Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Tran:
<input type="checkbox"/>	1	0/1	SFP+	AXC761	Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/2			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/3			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/4			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/5			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/6			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/7			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/8			Stack	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/9			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/10			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/11			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/12			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/13			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/14			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/15			Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/16			Ethernet	Ethernet	Down	10	0	0	0

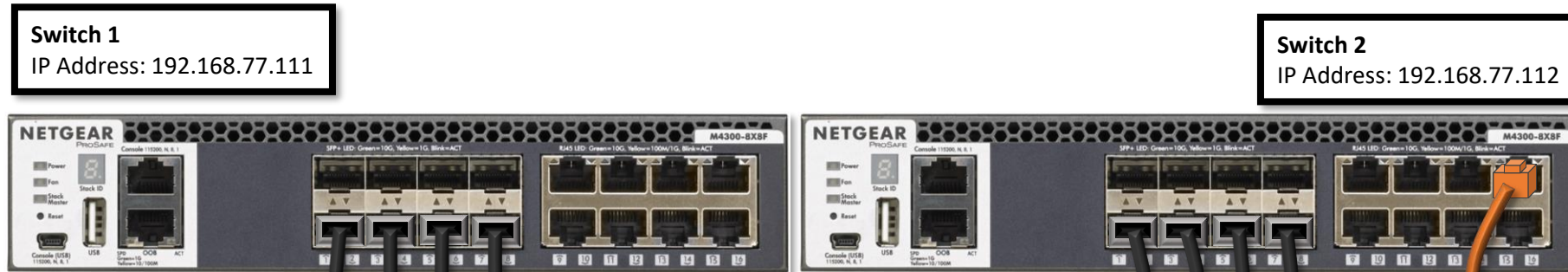
1 All

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



Step 1: Power down the switches you are stacking.

Step 2: Connect the stacking cables and disconnect any cables that could cause a loop.



Step 3: Power up the “management unit” switch (Switch 1) and wait for it to fully boot up.

Step 4: Boot up the next switch in the stack (Switch 2) and wait for it to fully boot up.

**NOTE:** if there are more switches in the stack, you will want to boot them up in the order you want them to be in one at a time.

**Switch 1**  
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)

# NETGEAR®

Login Name

Password

AV UI Login

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

Main UI Login

Login using the "Main UI Login."



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

### Login



Username*	<input type="text" value="admin"/>
Password	<input type="password" value="....."/>
	<input type="button" value="Login"/>

## Application Information

Click on the "Stacking" tab.

App Name	App Status	Version
AVUI	Running	2.2.2.16
ConfigAgent	Operational	2.0.0.134
discAgent	Running	1.0.0.2

## System Information

Product Name	M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+, 12.0.17.10, B1.0.0.17
System Name	<input type="text"/>
System Location	<input type="text"/>
System Contact	<input type="text"/>
Login Timeout	<input type="text" value="5"/> (0 to 160) mins
Management Source Interface	<input type="text" value="VLAN 1"/>
IPv4 Management Address	<a href="#">192.168.77.111/255.255.255.0</a>
IPv6 Management Address	
IPv4 Management Interface	<a href="#">VLAN 1</a>
IPv6 Management Interface	
IPv4 Loopback Interface	
IPv6 Loopback Interface	
System Date	Mar 22 21:39:30 2023 (UTC+0:00)

Stacking

- Basic
- Stack Configuration**
- Advanced
- NSF

### Management Unit Selection

Management Unit Selected: 1

Here we can see that the switches are stacked, the management status, the "Switch Status," and the firmware version that the switches are on.

### Stack Sample Mode

Sample Mode: Cumulative  
Max samples: 0

### Stack Configuration

<input type="checkbox"/>	Unit ID	Change Switch ID to	Switch Type	Hardware Management Preference	Switch Priority	Management Status	Standby Status	Switch Status
<input type="checkbox"/>	1		M4300-8X8F	Unassigned	15	Management Stack Member	None	OK
<input type="checkbox"/>	2		M4300-8X8F	Unassigned	14		Opr Standby	OK

### Basic Stack Status

Unit ID	Switch Description	Serial Number	Uptime	Preconfigured Model Identifier	Plugged-in Model Identifier	Detected Code Version	Detected Code in Flash
1	M4300-8X8F	4G3N2971D00AF	5 days, 22 hours, 47 minutes, 17 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10
2	M4300-8X8F	4G3N2979D0132	5 days, 22 hours, 44 minutes, 8 secs	M4300-8X8F	M4300-8X8F	12.0.17.10	12.0.17.10





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

- System
- Switching
- Routing
- QoS
- Security
- Monitoring
- Maintenance
- Help
- Index

- LLDP
- Link Dependency
- ISDP
- Timer Schedule

Go to "Advanced" and then "Stack-port Configuration."

Refresh Cancel Apply

- Stacking
  - Basic
  - Advanced
  - Stack Configuration
  - Stack Status
  - Stack-port Configuration
  - Stack-port Diagnostics
  - Stack Firmware Synchronization
  - NSF

Here we can see that all of the ports we configured are up, we can also see the type (SFP+), the product name (AXC761), and the link speed for these ports is 10Gbps.

Stack-port Configuration

1 2 All

Unit ID	Port	Type	Product name	Configured Stack Mode	Running Stack Mode	Link Status	Link Speed (Gbps)	Transmit Data Rate (Mbps)	Transmit Error Rate (Errors/s)	Total Tran
<input type="checkbox"/>										
<input type="checkbox"/>	1	0/1		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/2	SFP+	AXC761	Stack	Up	10	0	0	0
<input type="checkbox"/>	1	0/3		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/4	SFP+	AXC761	Stack	Up	10	0	0	0
<input type="checkbox"/>	1	0/5		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/6	SFP+	AXC761	Stack	Up	10	0	0	0
<input type="checkbox"/>	1	0/7		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/8	SFP+	AXC761	Stack	Up	10	0	0	0
<input type="checkbox"/>	1	0/9		Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/10		Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/11		Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/12		Ethernet	Ethernet	Up	10	0	0	0
<input type="checkbox"/>	1	0/13		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/14		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/15		Ethernet	Ethernet	Down	10	0	0	0
<input type="checkbox"/>	1	0/16		Ethernet	Ethernet	Up	10	0	0	0

Go to "Stack Firmware Synchronization."

Refresh Cancel Apply

- Stacking
  - Basic
  - Advanced
    - Stack Configuration
    - Stack Status
    - Stack-port Configuration
    - Stack-port Diagnostics
    - Stack Firmware Synchronization**
  - NSF

Stack Firmware Synchronization

Stack Firmware Auto Upgrade	<input checked="" type="radio"/> Disable <input type="radio"/> <b>Enable</b>
Traps	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Allow Downgrade	<input type="radio"/> Disable <input checked="" type="radio"/> Enable

We are going to enable "Stack Firmware Auto Upgrade" so that all the switches on the stack will be upgraded during the firmware upgrade process.

Refresh Cancel **Apply**

- Stacking
  - Basic
  - Advanced
    - Stack Configuration
    - Stack Status
    - Stack-port Configuration
    - Stack-port Diagnostics
    - Stack Firmware Synchronization**
  - NSF

Stack Firmware Synchronization

Stack Firmware Auto Upgrade	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Traps	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Allow Downgrade	<input type="radio"/> Disable <input checked="" type="radio"/> Enable

Click on "Apply."

## Stacking

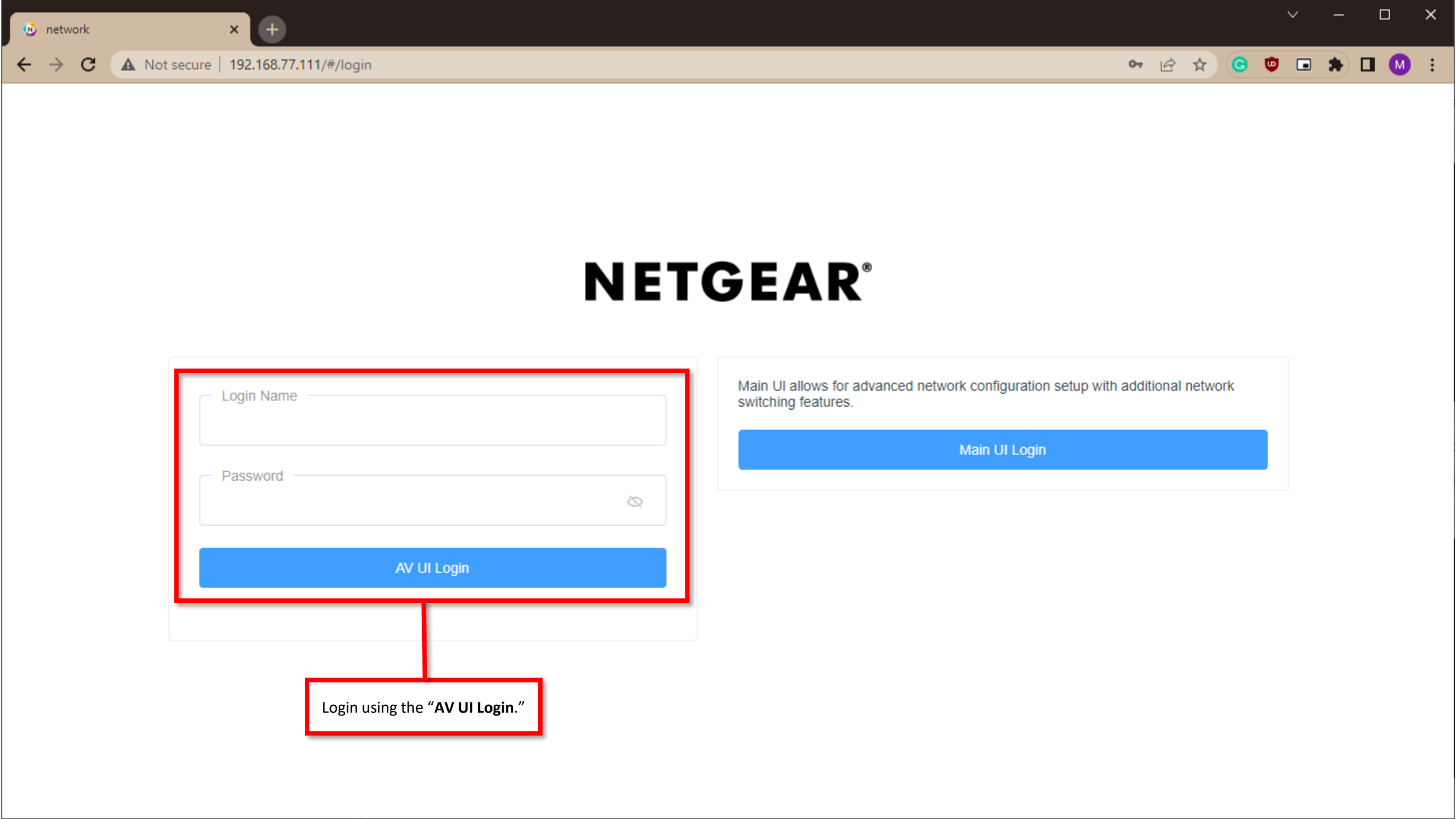
- Basic
- Advanced
  - Stack Configuration
  - Stack Status
  - Stack-port Configuration
  - Stack-port Diagnostics
  - Stack Firmware Synchronization
- NSF

## Stack Firm

- Stack Fi
- Traps
- Allow D

Verify that NSF is enabled

We are now going to look at the "AV UI" to see the stack.



# NETGEAR®

Login Name

Password

**AV UI Login**

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

**Main UI Login**

Login using the "AV UI Login."

Overview

Configure | Overview

To view the ports from the other units in the stack click on the "Stack Unit" drop-down.

Stack Unit  
Unit 1: M4300-8X8F Mgmt Sw

Configure

Overview

Network Profiles

Link Aggregation

Multicast

Neighbor

Port configuration

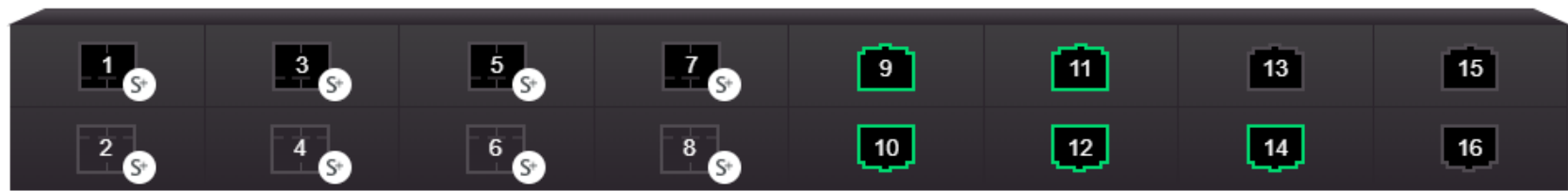
Security

Maintenance

Diagnostics

M4300-8X8F

Show Legends



- Connected
- Available
- Force-Authorized
- A Auto Trunk
- S 1G SFP Fiber Port
- Connected & Powered
- Blocked
- Force-Unauthorized
- ⚡ PoE
- S+ 10G SFP+ Fiber Port
- Error
- Admin Down
- LAG
- ⚡ PoE Disabled
- Disabled
- Warning
- VLAN Trunk
- Force Multicast

Device Details

Product Name	Serial Number	Model	Date & Time	Country/Region
M4300	4G3N2971D00AF	M4300-8X8F	2022-11-22 09:07:47	N/A

- Configure
- Overview
- Network Profiles
- Link Aggregation
- Multicast
- Neighbor
- Port configuration
- Security
- Maintenance
- Diagnostics

### Overview

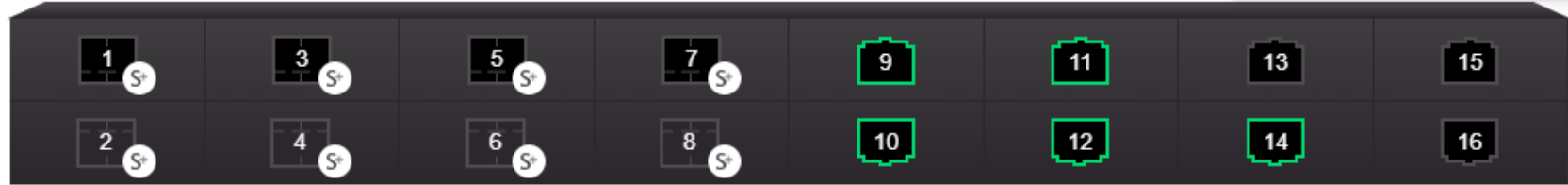
Configure | Overview

Stack Unit  
Unit 1: M4300-8X8F Mgmt Sw

M4300-8X8F

Select the switch you want to view.

- Unit 1: M4300-8X8F Mgmt Sw
- Unit 2: M4300-8X8F Stack Mbr / Oper Stby



- Connected
- Available
- Force-Authorized
- A Auto Trunk
- S 1G SFP Fiber Port
- Connected & Powered
- Blocked
- Force-Unauthorized
- ⚡ PoE
- S+ 10G SFP+ Fiber Port
- Error
- Admin Down
- L LAG
- ⚡ PoE Disabled
- Disabled
- Warning
- T VLAN Trunk
- ⊕ Force Multicast

### Device Details

Product Name	Serial Number	Model	Date & Time	Country/Region
M4300	4G3N2971D00AF	M4300-8X8F	2022-11-22 09:07:47	N/A

Overview

Configure | Overview

When configuring profiles, you will have a similar drop-down menu to select the ports on the other switches in the stack.

Stack Unit

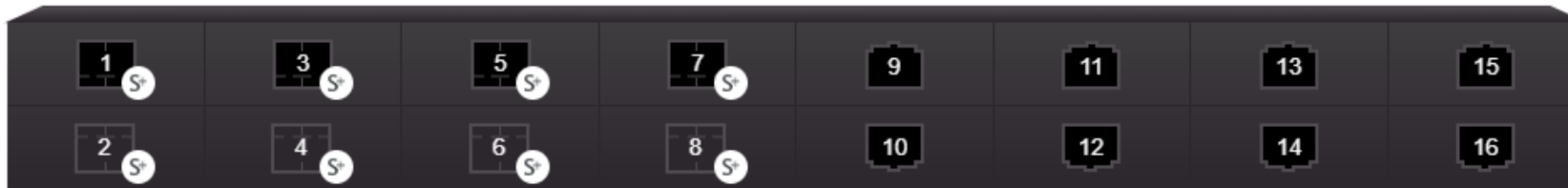
Unit 2: M4300-8X8F Stack Mbr / Oper Stb! ▾

Configure

- Overview
- Network Profiles
- Link Aggregation
- Multicast
- Neighbor
- Port configuration
- Security
- Maintenance

M4300-8X8F

Show Legends



- Connected
- Available
- Force-Authorized
- A Auto Trunk
- S 1G SFP Fiber Port
- Connected & Powered
- Blocked
- Force-Unauthorized
- +
- PoE
- S+ 10G SFP+ Fiber Port
- Error
- Admin Down
- L LAG
- ⚡ PoE Disabled
- Disabled
- Warning
- T VLAN Trunk
- ⊕ Force Multicast

Device Details

Product Name	Serial Number	Model	Date & Time	Country/Region
M4300	4G3N2979D0132	M4300-8X8F	2022-11-22 09:08:18	N/A



End

