

## Configuring DHCP Reservations

How to configure a DHCP reservation using Engage.

NETGEAR<sup>®</sup> AV

## Configuring Multiple VLANs with Internet Access

In this article we are going to show how to configure a DHCP reservation for a device on VLAN10.

A DHCP reservation allows you to configure the DHCP server to always provide the same IP address for a specific device based on the MAC address that is requesting an IP address.

For this scenario we have already configured a VLAN with a DHCP server on the core switch.



NETGEAR Engage								-	
			Open Engage and go	o to " <b>Site Setting</b>	s."		Question	/Help ~	admin `
Devices Topology S	Site Settings Suppor	t	Controller Management				- Site	→ Si	ave
Managed Devices								⊕ Add	Device
Switch Model	System Name		Serial Number	IP Address	FW Version	n AV Version	Status		
M4300-8X8F XSM4316S	Core	0	4G3N2979D0132	192.168.77.254	12.3.17.13	2.2.4.12	Online	Configure	:
M4250-8G2XF-PoE+ GSM4210PX	Conference1	ı	6YX32A5FA00F7	192.168.77.103	13.1.4.14	2.2.4.12	Online	Configure	:
M4250-8G2XF-PoE+ GSM4210PX	Lobby	1	6YX32A5NA0109	192.168.77.106	13.1.4.14	2.2.4.12	Online	Configure	:
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)iscovered Devices									
Switch Model	System Name		Serial Number	MAC Address	IP Address	FW Version	AV Version		
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Devices Topology Site Se	ettings Support Controller Management	Go to the "VLAN Routing an	nd DHCP Server" tab.	Save
Network Profiles Management VLA	N and OOB VLAN Routing and DHCP Server IGMP Queri	ier		
Network Profiles			T Export Worksheet ⊕ C	reate New Profile
Profile Name	Profile Template	VLAN ID	Management VLAN	
Default	Data	1	0	:
Dante	Audio Dante	10		:
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Global Settings				
These setting will be applied to all switc	thes on this site.			
Auto-Trunk				
Auto-LAG				

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🖹 Basic	<	VLAN Routing — Profile Name: Default	VLAN ID: 1 V		Add 1 Impor	t 坐
Ø Advanced						
DHCP Address Reservation		Host ↓	MAC Address	IP Address		
DHCP Bindings			No Dhcp serve	er found		
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dvanced" and "DHCP Add	ress Reser	vation."				

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DHCP Address Reservation	Default 1 Hou	dress IP Address		Ī
DHCP Bindings	Dante	No Dhcp server found		
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There are 2 ways to add a DHCP reservation:

- 1. If the device has already connected to the VLAN and has already received an address, it will show up on the list where we can select it and assign the address we want to it.
- 2. If the device has not yet connected to the network, you can manually input the information for the device.

We are going to go through both ways starting with adding the discovered device.

Devices Topology Site Settings	Suppo					HQ	$\sim$	Save
			Add Host		×			
Network Profiles Management VLAN and O	Select fr	om the following hosts or click on	"others" to add an ent	try manually				
		Host	MAC Address $\downarrow$	IP Address				ට Refresh
Check the box for the device that you want to create the reservation for.	-	BYD Precision Manufacture C ompa	98:BB:1E:1C:6D:05	192.168.10.100		Add	⊥ Import	⊻ Export
DHCP Address Reservation					s	;		Ē
DHCP Bindings								
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DHCP Address Reservation He		2	S		Ū.
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	Click on "Add."				
	Cancel Add Others				

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Network Profiles Management VLAN and O	Edit and confirm the selected hosts.	
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Ø Advanced ^		
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NOTE: you will have to renew the IP address he device for it to receive the new address.	on	

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	Here we can see the DHCP rese	ervation that we just created.		
	We are now going to create a r connected to the network, and	reservation for a device that has I manually enter the information	n.	Juestion/Help ∨ 🕑 admin `
Devices Topology Site Se	ettings Support Controller Manage	ement	Si	Q V Save
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DHCP Address Reservation H		15	S		Û
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	Click on "Others."				

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	Devices Topology Site Settings	Support Controller Management	Site Save
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	Network Profiles Management VLAN and	Di Enter host details manually	
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	Advanced ^	MAC Address 99:BC:2E:3C:5D:50	Enter a name for the device, the MAC address, and the IP address you want for the device.
	DHCP Address Reservation	IP Address	s
	DHCP Bindings	37	).50
	Information	Back	
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		Here we can see the reservation	on that we just created has beer	n added to the list.	Question/Help $ \smallsetminus $	e admin
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<ol> <li>Information</li> </ol>	~	BYD Precision Manufacture Compa	98:bb:1e:1c:6d:05	192.168.10.50		
			Total 2 10/page <	1 > Go to 1		
	In thi the d	s module we have gone through ho evice on the network and by manua	w to create a DHCP reservation ally entering the information for	by discovering r the device.		
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Engineered for AV over IP

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