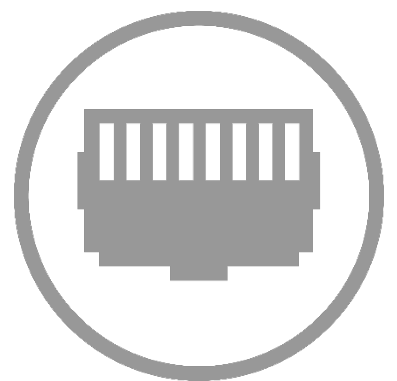




# S3 Series

Knowledge Base Article

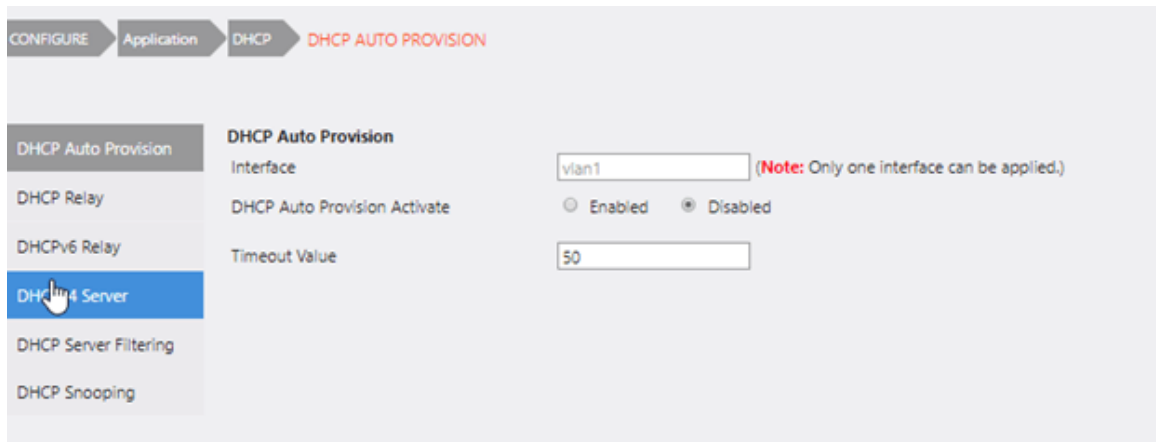


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## DHCP Server Configuration

How to setup the DHCP server on our S3 Layer 3 Switches  
First navigate to **Configure -> Application -> DHCP**

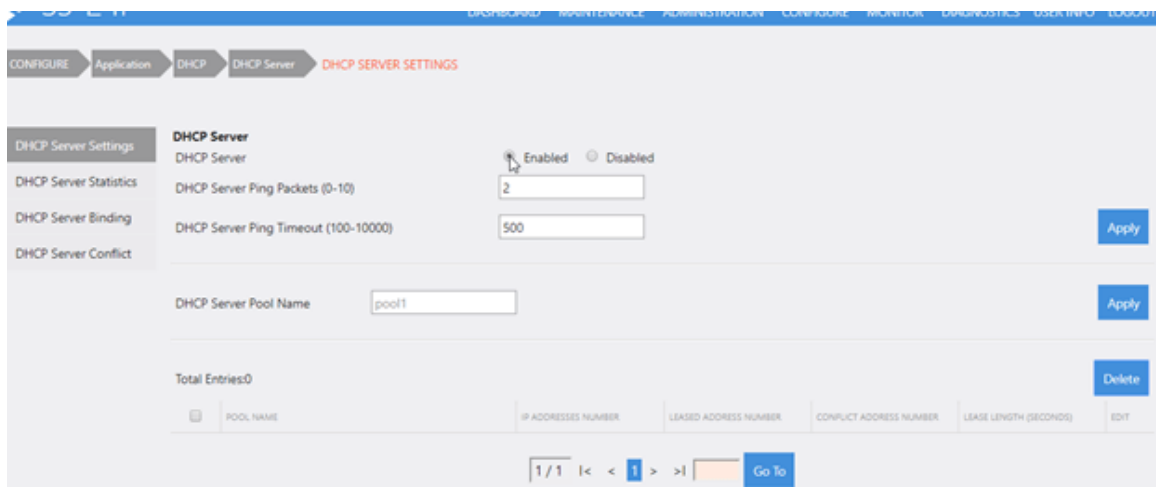
Then select **DHCP** server on the left



The screenshot shows the 'DHCP AUTO PROVISION' configuration page. On the left, a sidebar menu has 'DHCP Server' highlighted. The main content area is titled 'DHCP Auto Provision' and includes the following settings:

- Interface:  (Note: Only one interface can be applied.)
- DHCP Auto Provision Activate:  Enabled  Disabled
- Timeout Value:

Change **DHCP Server** to **Enabled** and then hit **Apply**. Now enter a **DHCP server pool name**, in this example we'll be using **VLAN 1**, and then select apply here as well. After selecting apply you should now see a pool listed in the table at the bottom.



The screenshot shows the 'DHCP SERVER SETTINGS' configuration page. On the left, a sidebar menu has 'DHCP Server Settings' highlighted. The main content area is titled 'DHCP Server' and includes the following settings:

- DHCP Server:  Enabled  Disabled
- DHCP Server Ping Packets (0-10):
- DHCP Server Ping Timeout (100-10000):
- DHCP Server Pool Name:

Below the settings, there is a table with the following columns: POOL NAME, IP ADDRESSES NUMBER, LEASED ADDRESS NUMBER, CONFLICT ADDRESS NUMBER, LEASE LENGTH (SECONDS), and EDIT. The table currently shows 'Total Entries: 0'. At the bottom, there is a pagination control showing '1 / 1' and a 'Go To' button.

Navigate to the pool and select **Edit** on the far right side

DHCP Server Pool Name  Apply

Total Entries:1 Delete

<input type="checkbox"/>	POOL NAME	IP ADDRESSES NUMBER	LEASED ADDRESS NUMBER	CONFLICT ADDRESS NUMBER	LEASE LENGTH (SECONDS)	EDIT
<input type="checkbox"/>	vlan1	0	0	0	86400	<span>Edit</span>

1/1 |< < 1 > >|  Go To

You'll then be prompted with a "pool settings" page with a long list of settings you can configure.

The important settings are:

**Default-Router:** Change to add and then enter the IP of your router

**IP Address-List:** Enter the IP range you would like this pool to use. In this example we used 192.168.1.100-192.168.1.250

**Based-On Interface-IP-Address:** Changed to **Add** and enter the IP of your router

**DNS Server:** Change to add and enter your DNS server here, we'll be using 8.8.8.8 as an example

### DHCPv4 Pool Settings-Edit

Pool Name	vlan1		<a href="#">Back</a>
Accept DHCP Client-Identifier	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled		
Lease Length	Default	▼	
Accept DHCP Relay-Agent	Not Accept	▼	
Subnet-Mask	Default	▼	255.255.255.0
Bootfile URL	Disabled	▼	
Default-Router	Add	▼	192.168.1.99
Domain-Name	Disabled	▼	
IP Address-List	Add	▼	192.168.1.100-192.168.1.250
Netbios-Node-Type	Hybrid	▼	
Netbios-Scope-ID	Disabled	▼	
Netbios-Name-Server	--	▼	
Next-Server	Disabled	▼	
Based-On Interface-Ip-Address	Add	▼	192.168.1.99
Based-On Mac-Address	--	▼	
Based-On User-Class	--	▼	
Based-On Vendor-Class	--	▼	
Based-On Client-ID	--	▼	
DNS Server	Add	▼	8.8.8.8

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After entering these settings it should begin providing IPs. You can test this by isolating the network to just the switch and an end device.



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