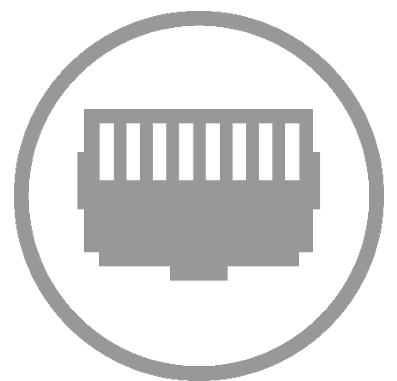




S3 Series

Knowledge Base Article



Creating a routable IP Interface for VLANs on the S3 series switches

This article will provide the steps needed to add an IP address to already created VLANs and show where to view the switches routing details.

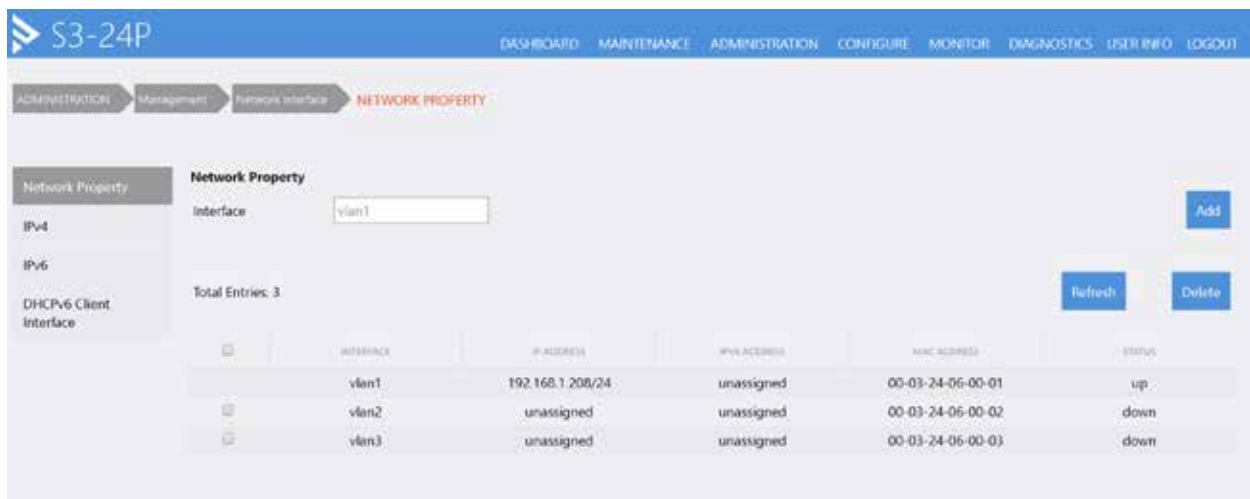
Adding Interfaces to VLANs

- After having already created your VLANs, navigate to **Administration > Management > Network Interface**
- Then create a new Interface for the VLAN or VLANs which are to be added.

Interface - This is where you will add the Interfaces to the VLANs you want. Add these with the format "vlan#" where # is the VLAN ID.

vlan1 is the default VLAN and cannot be removed, although the IP can be edited from the IPv4 section.

Below, VLANs 2 and 3 have had interfaces added to them.

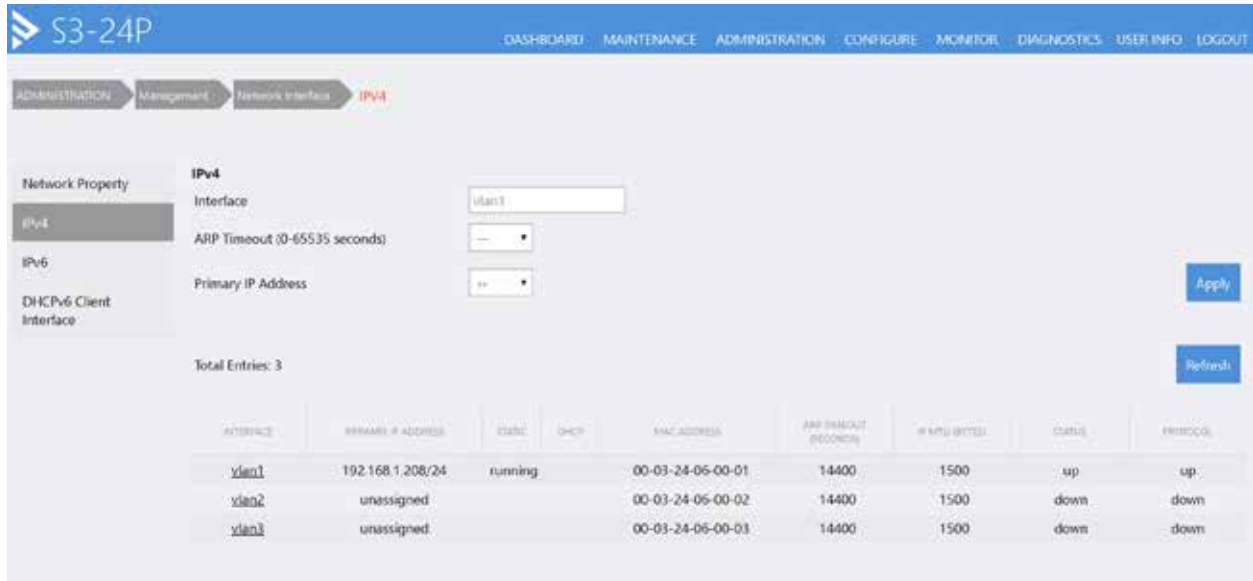


The screenshot shows the S3-24P switch management interface. The top navigation bar includes: DASHBOARD, MAINTENANCE, ADMINISTRATION, CONFIGURE, MONITOR, DIAGNOSTICS, USER INFO, and LOGOUT. The breadcrumb trail is: ADMINISTRATION > Management > Network Interface > NETWORK PROPERTY. On the left, there is a sidebar with 'Network Property' selected, and other options: IPv4, IPv6, DHCPv6 Client, and Interface. The main content area shows 'Network Property' with an 'Interface' field containing 'vlan1' and an 'Add' button. Below this, it says 'Total Entries: 3' with 'Refresh' and 'Delete' buttons. A table lists the network entries:

INTERFACE	IP ADDRESS	IPv6 ADDRESS	MAC ADDRESS	STATUS
vlan1	192.168.1.208/24	unassigned	00-03-24-06-00-01	up
vlan2	unassigned	unassigned	00-03-24-06-00-02	down
vlan3	unassigned	unassigned	00-03-24-06-00-03	down

- Next you will need to configure IP addresses for the Interfaces
- Navigate to **IPv4** at the left side of the screen.

Here you can enter the IP address details for each VLAN interface.



Interface - This is where you will select the VLAN you want to edit. Use the format "vlan#" where # is the VLAN ID.

ARP Timeout - Specify the amount of time in seconds before IP addresses learned on the Interface are cleared out. Default 14400 seconds. (this does not need to be modified)

Primary IP Address - This provides the option to Set or Unset the IP settings of the Interface.

Set > Static - This allows you to specify the IP address to be used on this VLAN Interface. Use the IP with CIDR notation at the end to specify the Subnet Mask.

IPv4

Interface:

ARP Timeout (0-65535 seconds):

Primary IP Address: DHCP Static Primary IP Address/Mask Length:

[Apply](#)

After assigning an address to the VLAN you will see the setting show up below.

****NOTE**** Status will only show "up" when an Interface has an active connection.

This means, a port on the switch must be configured with that VLAN and a device must be connected to that port bringing it into operation. There is no requirement to manually enable an Interface.

S3-24P DASHBOARD MAINTENANCE ADMINISTRATION CONFIGURE MONITOR DIAGNOSTICS USER INFO LOGOUT

ADMINISTRATION Management Network Interface **IPv4**

Network Property

IPv4

Interface:

ARP Timeout (0-65535 seconds):

Primary IP Address:

[Apply](#)

Total Entries: 3 [Refresh](#)

INTERFACE	PRIMARY IP ADDRESS	STATIC	DHCP	MAC ADDRESS	ARP TIMEOUT (SECONDS)	# RXD BYTES	STATUS	PROTOCOL
vlan1	192.168.1.208/24	running		00-03-24-06-00-01	14400	1500	up	up
vlan2	unassigned			00-03-24-06-00-02	14400	1500	down	down
vlan3	192.168.3.1/24	running		00-03-24-06-00-03	14400	1500	down	down

Once you have created an IP Interface for more than one VLAN, those VLANs will be able to route traffic between each other.

You can see this by navigating to **Configure > Application > IP Route** then **IPv4 Route Table** on the left side of the screen.

Here you will see any Static (Default) Routes and the VLAN Interface Connected Routes.

Also note that like above, if there are no active ports which utilize a particular VLAN, it's Interface will not be active, and it will not show a Connected Route on the IPv4 Route Table.

You have now completed configuring IP Interfaces for your VLANs.



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