

## Qualys Scanner – Static Route Configuration

Qualys allows the configuration of static routes on both virtual and physical scanners. This allows the scanner to direct non-local traffic to the appropriate gateway address when this address is not the default gateway. This configuration may be useful when a scanner is placed on a transit network containing multiple routers for different destinations, such as for remote facilities or business partner network connections.

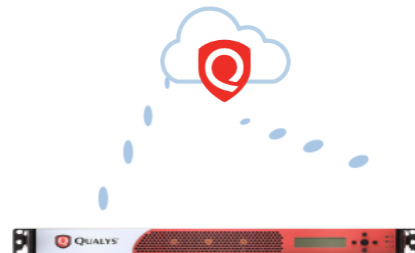
### Required Information

In order to configure your appliance with static routes you will need the following information:

**Gateway IP address** – The scanner-facing IP address of the router or gateway. There is no requirement for uniqueness, the same gateway may be used for multiple target networks.

**Target network address in CIDR format** – The gateway/target network pair must be unique. The same gateway/target network pair cannot be defined in another static route configuration for the same appliance. The target network must have a valid starting IP address for the target mask provided.

A route name to identify the static route configuration in the static routes list.



### Limitations

Public/Private cloud provider distributions and offline scanner appliances do not support static routes.

Physical scanners support up to 4094 static IP routes for devices with a serial number over 29000 and up to 99 static IP routes for devices with a serial number under 29000.

Virtual scanners (except public/private cloud provider and offline scanner images) support up to 4094 static IP routes.

For more information about the currently supported Virtual and Cloud platforms, see [Qualys Virtual Scanner Appliance: Platform Qualification Matrix](#).

### Configure Static Routes in the UI

1) Log in to Qualys as a Manager, go to Scans > Appliances, select the appliance and choose Edit from the Quick Actions menu.

2) Select the Static Routes tab on the left. Click New, then click OK once you have read and understood the warning.

**Edit Scanner Appliance** Launch Help

General Information > Versions > LAN Settings > VLANs > **Static Routes** > Comments >

**Static Routes**

Edit the static route configuration for this scanner appliance.

<input type="checkbox"/> IPv4 Gateway	IPv4 Address	Name
<input type="checkbox"/>	172.16.4.1	172.16.4.0/24 Management VLAN Route
<input type="checkbox"/>	IPv4 Gateway	IPv4 Address

New Edit Remove

Cancel Save

3) When the Edit Route dialog box appears enter the required information and click OK.

**Edit Route** Launch Help

**Route Information**

Gateway: \* 172 . 16 . 4 . 1

Target: \* 172 . 16 . 4 . 0 / 24

Network mask is required for destination networks only

Name: Management VLAN route

OK Cancel

4) Click Save once all your Add/Change/Delete operations have been completed.

## IPv6 Support for Static Routes

The IPv6 Scanning feature must be enabled for your account. Please contact Support or your Technical Account Manager if you would like have this feature turned on.

You must enable IPv6 on the scanner to add IPv6 configurations. Select “Enable IPv6 for this scanner” on the LAN Settings tab.

**Edit Scanner Appliance** Launch Help

General Information > Versions > **LAN Settings** > VLANs > Static Routes > Comments >

**LAN Settings**

**IPv6 Settings**

☒ Enable IPv6 for this scanner

Note: Select this option to configure IPv6 for LAN, VLANs and Static Routes. If you clear this option after saving IPv6 configurations for LAN, VLANs and Static Routes, your IPv6 configurations will be deleted.

Configure IPv6 Automatically

Address/Prefix 2600:c02:1021:24f4:250:56ff:fe9f:623e/64

Default Gateway fe80::5:73ff:fe20:60f

Cancel Save

On the Static Routes tab you'll see IPv4 and IPv6 configurations that have been configured for the appliance.

The screenshot shows the 'Edit Scanner Appliance' window with the 'Static Routes' tab selected. The left sidebar contains a menu with 'General Information', 'Versions', 'LAN Settings', 'VLANs', 'Static Routes' (highlighted), and 'Comments'. The main area is titled 'Static Routes' and includes the instruction 'Edit the static route configuration for this scanner appliance.' Below this is a table with columns: 'IPv4 Gateway', 'IPv4 Address', 'IPv6 Address/Prefix', 'IPv6 Gateway', and 'Name'. The table contains two rows of data. To the right of the table are buttons for 'New', 'Edit', and 'Remove'. At the bottom of the window are 'Cancel' and 'Save' buttons.

IPv4 Gateway	IPv4 Address	IPv6 Address/Prefix	IPv6 Gateway	Name
		fe80::912e:21f6:887e:fff4	fe80::912e:21f6:887e:fff3	IPv6Route2
10.10.10.0	10.10.10.10	fe80::912e:21f6:887e:fff3	fe80::912e:21f6:887e:fff3	
10.10.10.1	10.10.10.1			

When you create or edit a static route, you can add IPv4 details, IPv6 details or both.

The screenshot shows the 'Edit Route' window with the 'Route Information' tab selected. The main area is titled 'Route Information' and includes the instruction 'Provide an IPv4 configuration for the static route, an IPv6 configuration, or both.' Below this are sections for 'IPv4 configuration' and 'IPv6 configuration'. The 'IPv4 configuration' section has fields for 'IPv4 Gateway' and 'IPv4 Address'. The 'IPv6 configuration' section, which is highlighted with a red box, has fields for 'IPv6 Address/Prefix', 'IPv6 Gateway', and 'Name'. At the bottom of the window are 'OK' and 'Cancel' buttons.

**IPv4 configuration**

IPv4 Gateway: [ ] . [ ] . [ ] . [ ]

IPv4 Address: [ ] . [ ] . [ ] . [ ] / [ ]

Network mask is required for destination networks only

**IPv6 configuration**

IPv6 Address/Prefix: fe80::912e:21f6:887e:fff4

IPv6 Gateway: fe80::912e:21f6:887e:fff3

Name: IPv6Route2

Last updated: November 13, 2019