

Configuration of a Virtual Router on a FireSIGHT System



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Introduction

This document is a quick start guide for configuring a virtual router on a FireSIGHT System.

Prerequisites

Hardware Requirement

Virtual routing feature is available on the following appliances:

- FirePOWER 7000 Series Appliance
- FirePOWER 8000 Series Appliance

Note: You cannot enable virtual router on an NGIPS virtual device.

License Requirement

A valid control license is necessary to enable the virtual routing functionality on a FireSIGHT System. In order to verify the status of licenses on a device, follow the steps below:

- Navigate to *Devices > Device Management* page.
- Click the *pencil* icon to edit the device where you want to enable virtual routing.
- Select the *Device* tab. In the Device page, you will find the list and status of licenses.

Components Used

The information on this document is based on these hardware and software versions:

- FireSIGHT Management Center, FirePOWER 7000 Series Appliances and 8000 Series Appliances.
- Software Version 5.2 or later

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Configuration

Add a Virtual Router

Step 1: Navigate to *Devices > Device Management*.

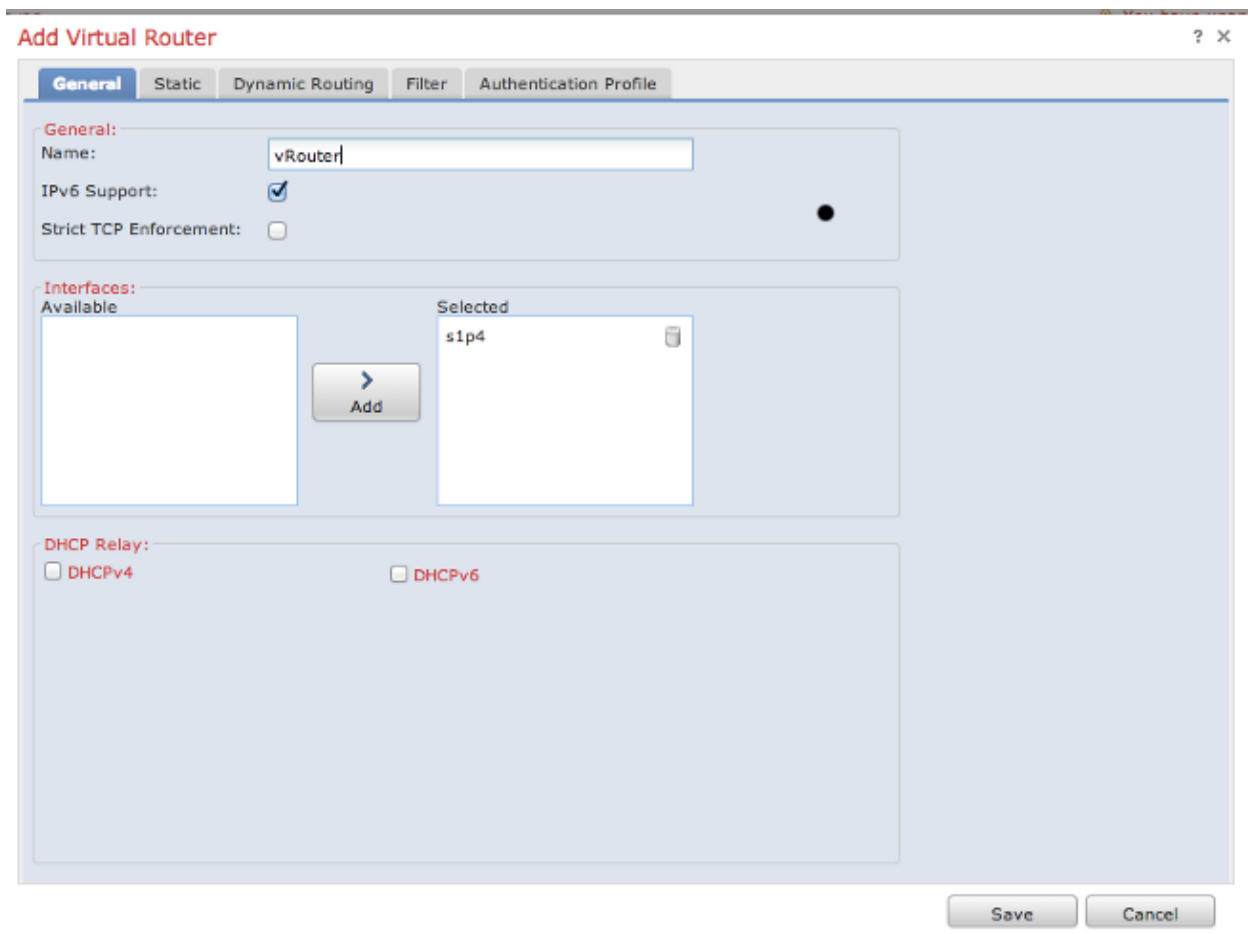
Step 2: Click the *pencil* icon to edit the device where you want to configure a virtual router.

Step 3: Click the *Virtual Routers* tab.



Step 4: Click the *Add Virtual Router* button. The *Add Virtual Router* window appears.

Step 5: In the *Name* field of *General* tab, give a name for the virtual router. The following example uses *vRouter* as the name of the virtual router.



Step 6: To designate a virtual router to support IPv6 addresses, select the **IPv6 Support** check box. You should clear this check box when explicit support for non-IPv6-capable protocols, such as RIPv2 and OSPFv2, is required.

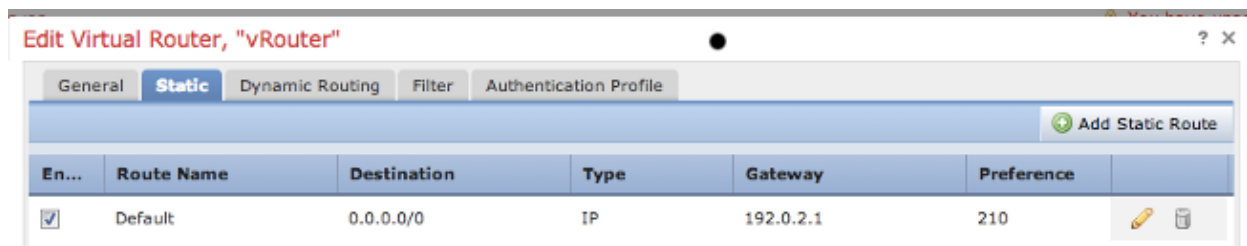
Step 7: Optionally, clear **Strict TCP Enforcement** if you do not want to enable strict TCP enforcement. This option is enabled by default.

Step 8: Under **Interfaces**, the **Available** list contains all Layer 3 interfaces, such as routed and hybrid, on the device that you can assign to a virtual router. To assign an interface to a virtual router, select an interface and click **Add**.

Step 9: Click **Save**. Changes do not take effect until you select the **Apply Changes** button.

Add a Static Route

Step 1: Select the **Static** tab when the **Add Virtual Router** window appears. See step 4 of *Add a Virtual Router* section.



Step 2: Click **Add Static Route** button.

Step 3: In the **Route Name** field, give a name for the static route. You can use alphanumeric characters and spaces.

Route Name:

Enabled:

Preference:

Type:

Destination:

Gateway:

Step 4: Select the **Enabled** check box to enable the static route.

Step 5: In the **Preference** field, type a numerical value between 1 and 65535 to determine the route selection. If you have multiple routes to the same destination, the system selects the route with the higher preference.

Step 6: From the **Type** drop-down list, select the type of static route you want to configure.

Step 7: In the **Destination** field, type the IP address for the destination network where traffic should be routed.

Step 8: In the *Gateway* field, you have two options:

- If you selected *IP* as the *Type* of static route, type an IP address.
- If you selected *Interface* as the *Type* of static route, select an interface from the drop-down list.

Step 9: Click *OK*.

Step 10: Click *Save*. Changes do not take effect until you select the *Apply Changes* button.