Configure Service Management for Access Rules on RV160X/RV260X Routers

Objective

The objective of this article is to show you how to configure access rules on the RV160 and RV260 routers.

Introduction

Access rules define the rules that traffic must meet to pass through an interface. An access rule permits or denies traffic based on the protocol, a source and destination IP address or network, and optionally the source and destination ports.

When you deploy access rules to devices, they become one or more Access Control Entries (ACEs) to Access Control Lists (ACLs) that are attached to interfaces. Typically, these rules are the first security policy applied to packets; they are your first line of defense. Each packet that arrives at an interface is examined to determine whether to forward or drop the packet based on the criteria you specify. If you define access rules in the out direction, packets are also analyzed before they are allowed to leave an interface.

Applicable Devices

- RV160
- RV260

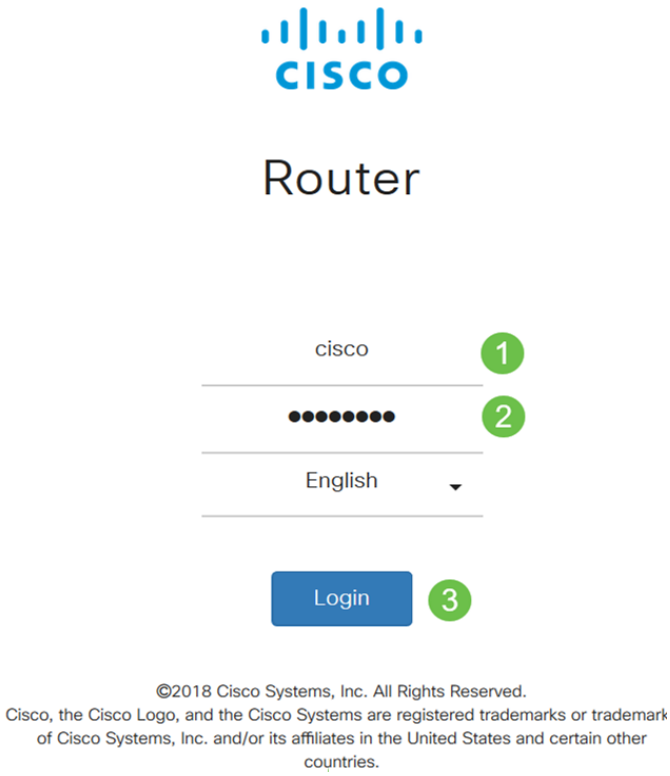
Software Version

- 1.0.00.15

Configure Access Rules

To configure access rules on the RV160/RV260, follow these steps.

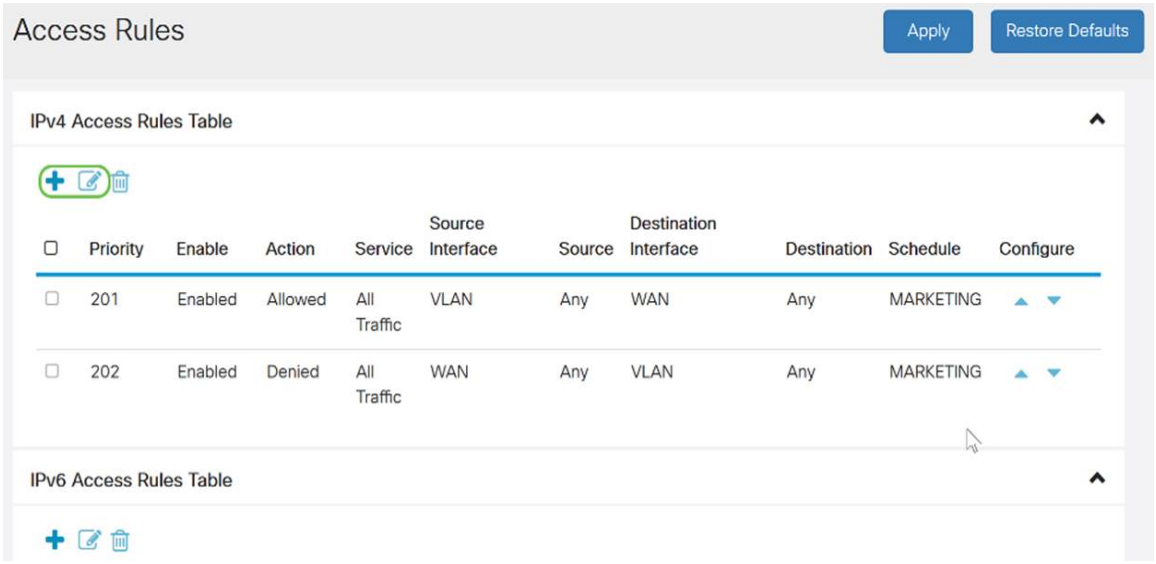
Step 1. Log in to the web configuration page of your router.



Note : In this article, we will be using the RV260W to configure access rules. The configuration may vary depending on the model you are using.

Step 2. Navigate to **Firewall > Access Rules**.

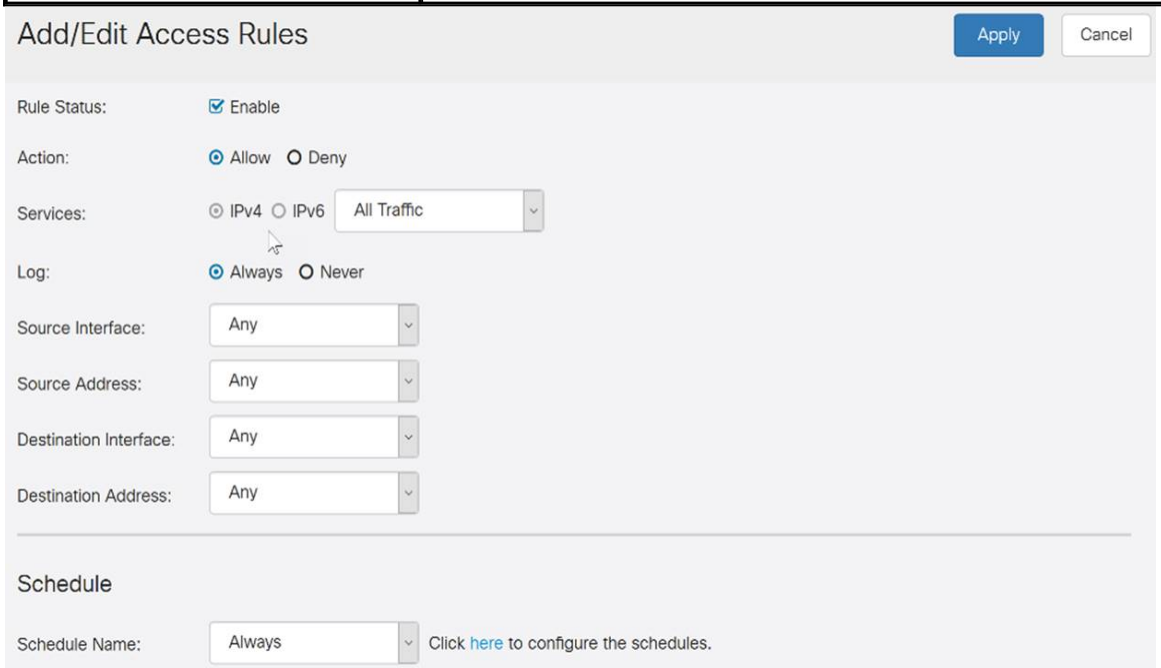
Step 3. In the *IPv4 or IPv6 Access Rules Table*, click **Add** or select the row and click **Edit**.



Step 4. In the *Add/Edit Access Rules* section, enter the following fields.

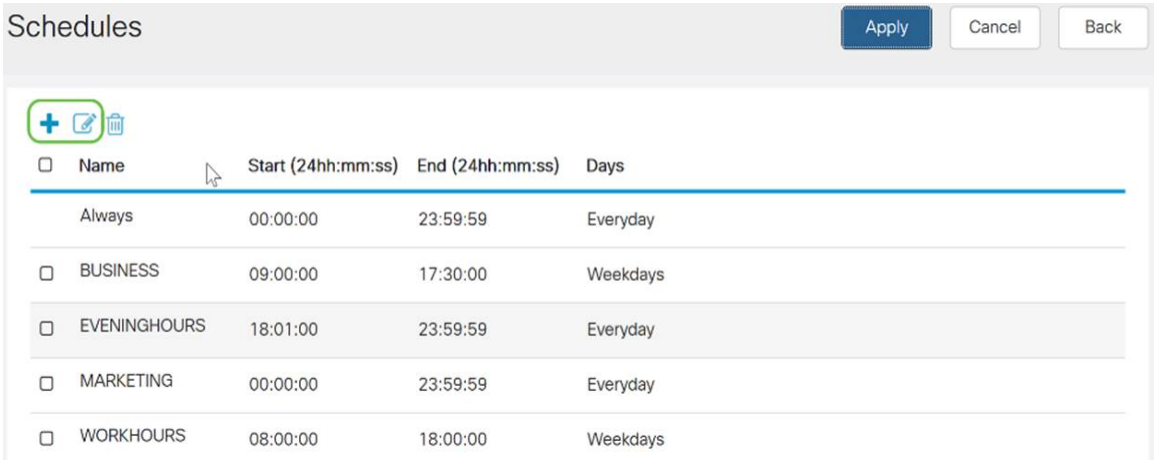
Rule Status	Check *Enable* to enable the specific access rule. Uncheck to disable.
Action	Choose *Allow* or *Deny* from the drop-down list.

Services	• *IPv4* – Select the service to apply IPv4 rule. • *IPv6* – Select the service to apply IPv6 rule. • *Services* – Select the service from the drop-down list.
Log	Select an option from the drop-down list. • *Always* – Logs appear for packet that matches the rules. • *Never* – No log required.
Source Interface	Select the source interface from the drop-down list.
Source Address	Select the source IP address to which the rule is applied and enter the following: • *Any* – Select to match all IP addresses. • *Single* – Enter an IP address. • *Subnet* – Enter a subnet of a network. • *IP Range* – Enter the range of IP addresses.
Destination Interface	Select the source interface from the drop-down list.
Destination Address	Select the source IP address to which the rule is applied and enter the following: • *Any* – Select to match all IP addresses. • *Single* – Enter an IP address. • *Subnet* – Enter a subnet of a network. • *IP Range* – Enter the range of IP addresses.
Schedule Name	Select *Always, Business, Evening hours, Marketing, or Work hours* from the drop-down list to apply the firewall rule. Then, click *here* to configure the schedules.



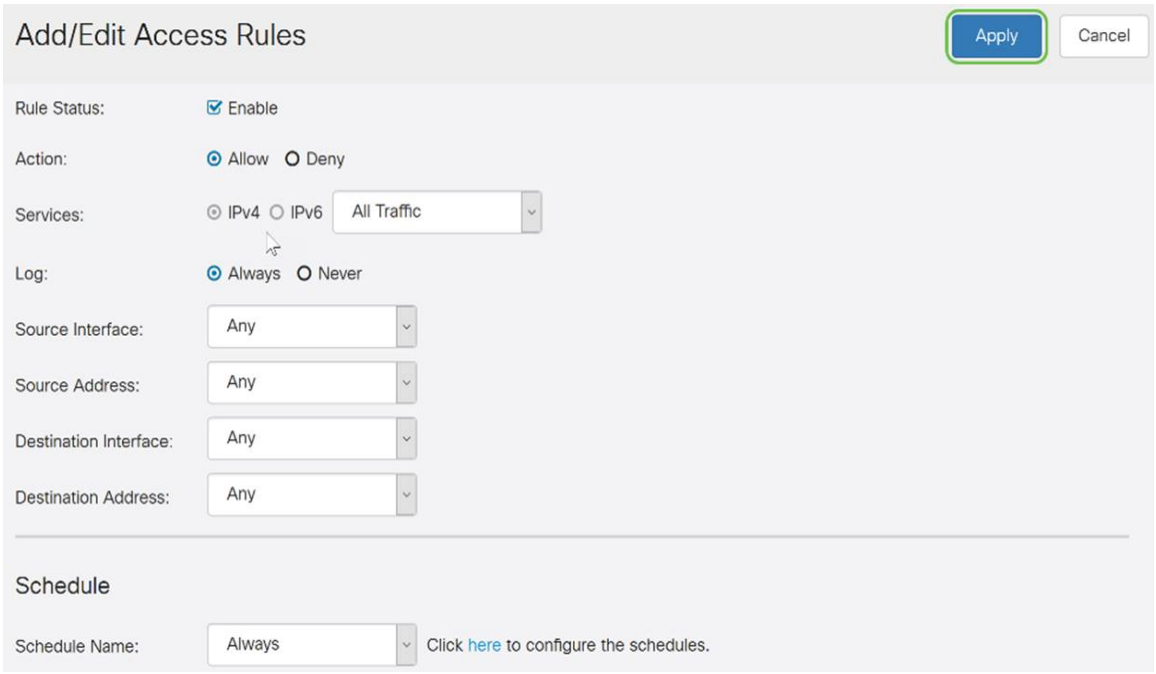
Step 5. (Optional) To configure schedules, click **here** next to *Schedule Name*.

Step 6. (Optional) Click **Add** to add a schedule or select the row and click **Edit**.

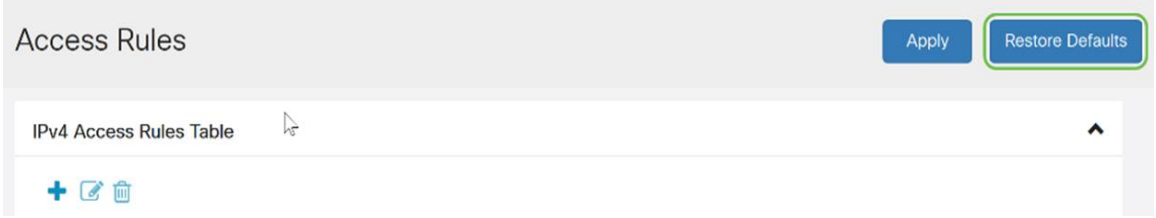


Note: For more information on configuration of schedule, click here.

Step 7. (Optional) Click **Apply**.

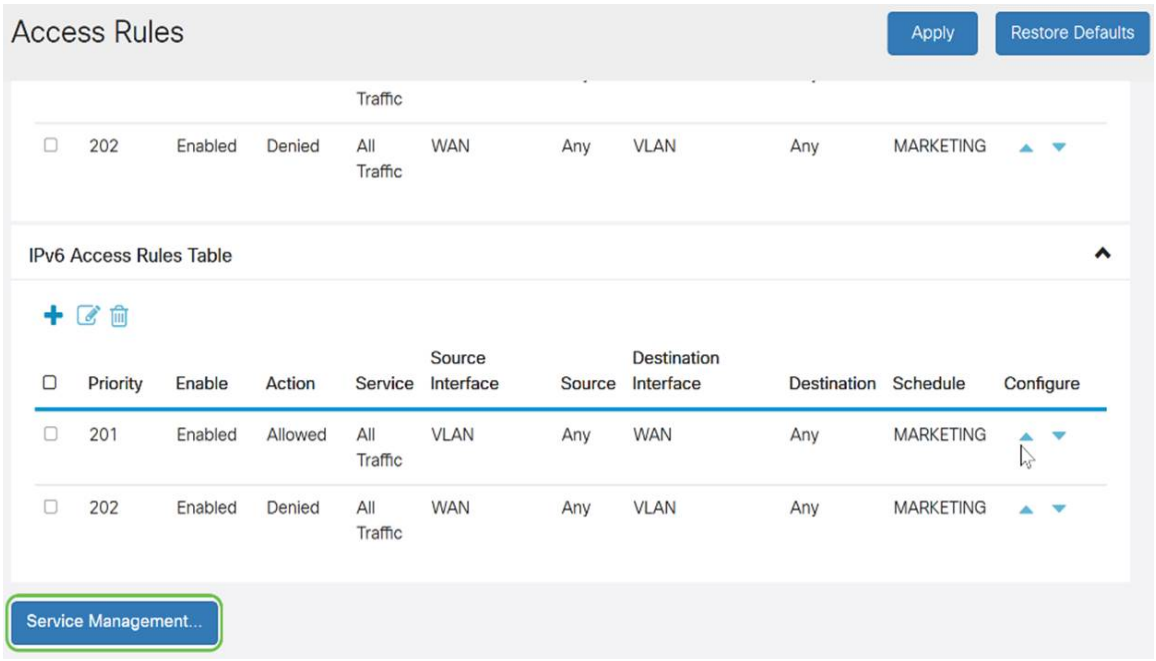


Step 8. (Optional) Click **Restore Defaults**, to restore the default settings.

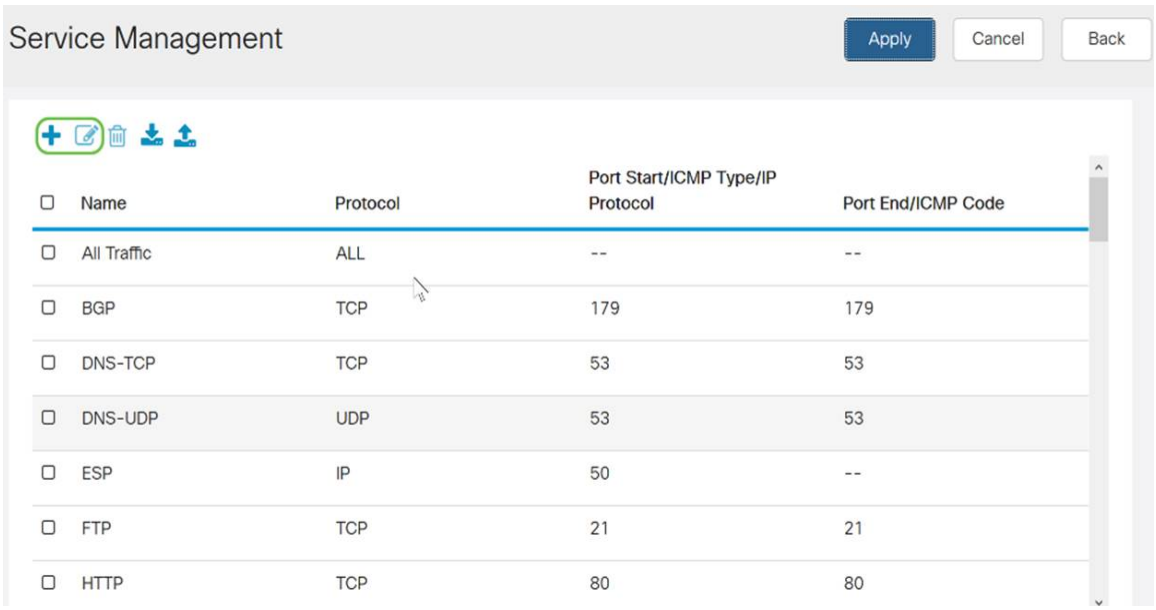


Service Management

Step 1. To add or edit an entry on the Service list, click on **Service Management.**

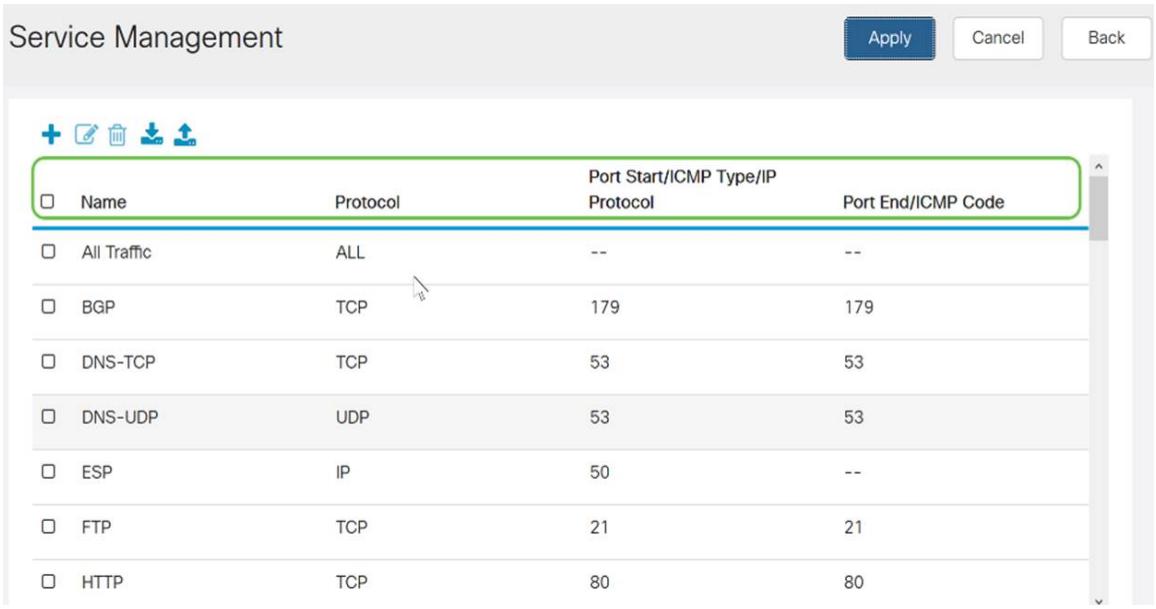


Step 2. To add a service, click **Add** under the Service table. To edit a service, select the row and click **Edit**. The fields open for modification.

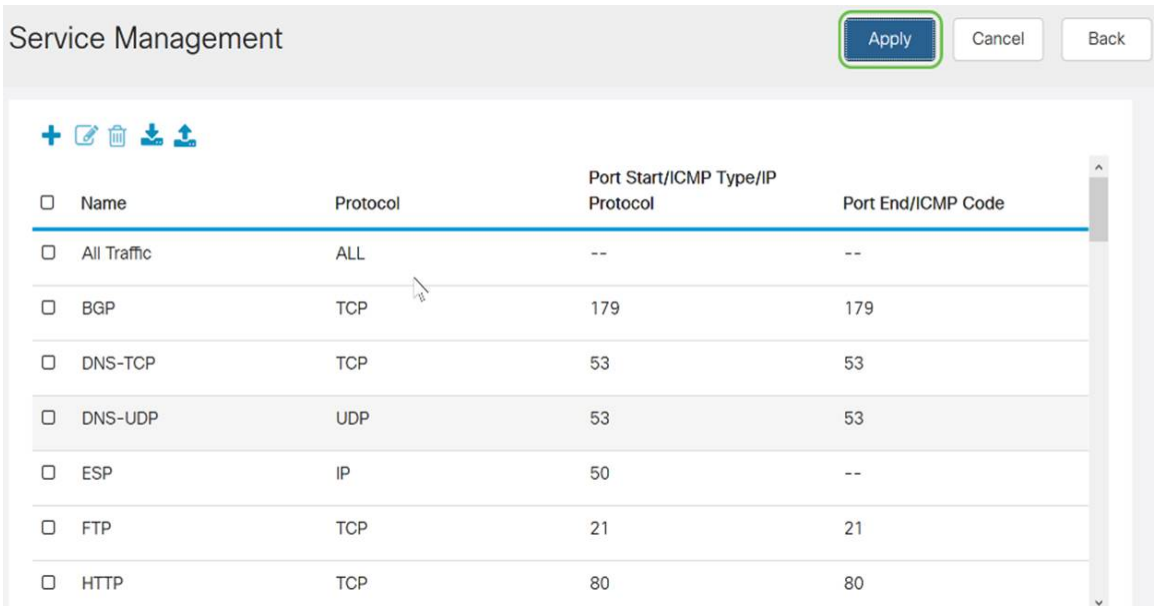


Step 3. You can have many services in the list:

- *Name* - Name of the service or application.
- *Protocol* - Select a protocol from the drop-down list.
- *Port Start/ICMP Type/IP Protocol* - Range of port numbers reserved for this service.
- *Port End/ICMP Code* - Last number of the port, reserved for this service.



Step 4. If you've added or edited any settings, click **Apply**.



You should now have successfully configured access rules on your RV160/ RV260 router.