

Firewall Service Management on RV110W

Objective

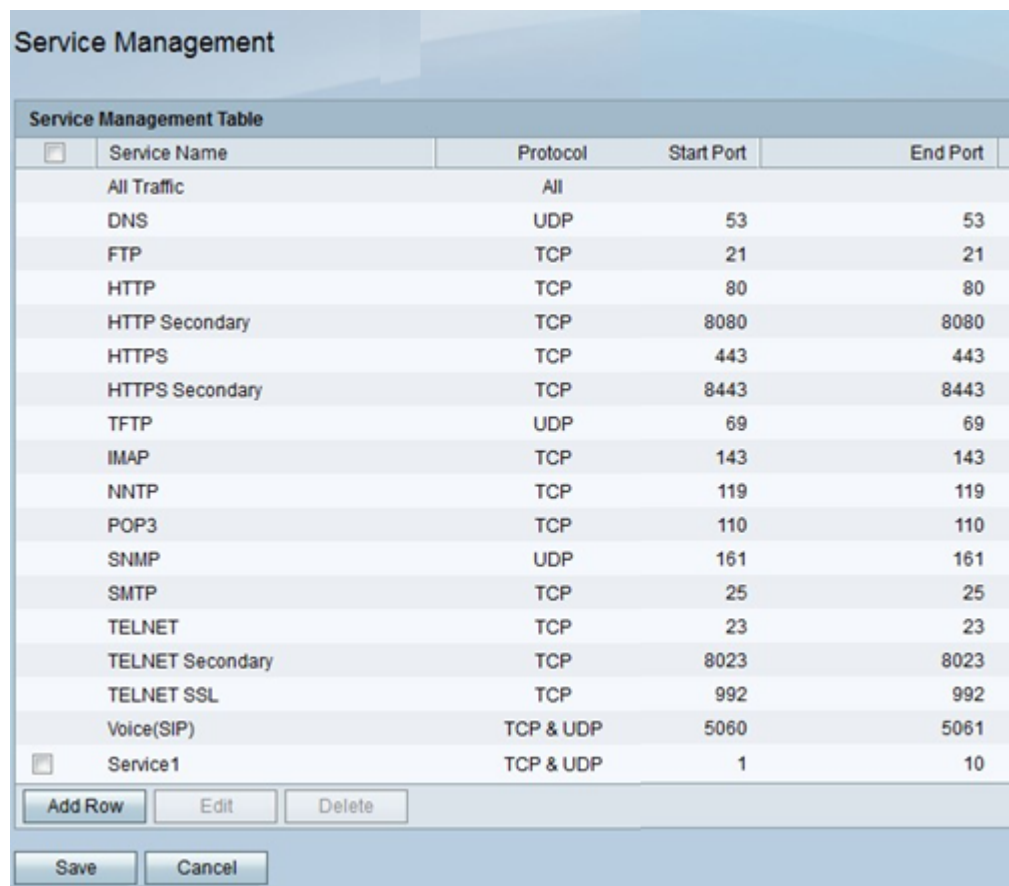
A firewall is set of measures created to protect a network by blocking access to unwanted users. The use of a service applies a protocol to a certain range of ports on the firewall. This article explains how to manage services on a firewall on the RV110W.

Applicable Devices

- RV110W

Steps of Procedure

Step 1. Use the web configuration utility to choose **Firewall > Basic Settings**.



<input type="checkbox"/>	Service Name	Protocol	Start Port	End Port
	All Traffic	All		
	DNS	UDP	53	53
	FTP	TCP	21	21
	HTTP	TCP	80	80
	HTTP Secondary	TCP	8080	8080
	HTTPS	TCP	443	443
	HTTPS Secondary	TCP	8443	8443
	TFTP	UDP	69	69
	IMAP	TCP	143	143
	NNTP	TCP	119	119
	POP3	TCP	110	110
	SNMP	UDP	161	161
	SMTP	TCP	25	25
	TELNET	TCP	23	23
	TELNET Secondary	TCP	8023	8023
	TELNET SSL	TCP	992	992
	Voice(SIP)	TCP & UDP	5060	5061
<input type="checkbox"/>	Service1	TCP & UDP	1	10

Add or Edit a Service

A service is a protocol that applies to a range of ports. Services take certain actions under different protocols. This procedure shows how to add a new service or to edit an existing service.

Step 1. Click **Add Row** to add a service, or check the checkbox next to a service and click **Edit** to edit it.

Step 2. In the Service Name column, enter a name for the service.

Service Management

You must save before you can edit or delete.

Service Management Table		
<input type="checkbox"/>	Service Name	Protocol
	All Traffic	All
	DNS	UDP
	FTP	TCP
	HTTP	TCP
	HTTP Secondary	TCP
	HTTPS	TCP
	HTTPS Secondary	TCP
	TFTP	UDP
	IMAP	TCP
	NNTP	TCP
	POP3	TCP
	SNMP	UDP
	SMTP	TCP
	TELNET	TCP
	TELNET Secondary	TCP
	TELNET SSL	TCP
	Voice(SIP)	TCP & UDP
<input type="checkbox"/>	Service1	TCP

Step 3. From the Protocol column drop-down menu, select a protocol that the service follows.

- TCP — Transmission Control Protocol keeps track of connections and sends messages in the order they are sent, but messages are sent slower than UDP.
- UDP — User Datagram Protocol does not keep track of connections and data messages may not arrive in the order they are sent, but messages are sent faster than TCP.
- TCP & UDP — This uses both TCP and UDP.
- ICMP — Internet Control Message Protocol is primarily used for sending error messages and diagnostic reasons.

Step 4. In the Start Port column, enter the first port in the range to which the service applies.

Note: This field is not active if you choose ICMP.

Step 5. In the End Port column, enter the last port in the range to which the service applies.

Note: This field is not active if you choose ICMP.

Service Management

You must save before you can edit or delete.

<input type="checkbox"/>	Service Name	Protocol
	All Traffic	All
	DNS	UDP
	FTP	TCP
	HTTP	TCP
	HTTP Secondary	TCP
	HTTPS	TCP
	HTTPS Secondary	TCP
	TFTP	UDP
	IMAP	TCP
	NNTP	TCP
	POP3	TCP
	SNMP	UDP
	SMTP	TCP
	TELNET	TCP
	TELNET Secondary	TCP
	TELNET SSL	TCP
	Voice(SIP)	TCP & UDP
<input type="checkbox"/>	Service1	TCP & UDP

Step 6. Click **Save** to save changes or **Cancel** to discard them.

Delete a Service

This procedure shows how to remove unwanted or unused services.

Step 1. Check the checkbox next to a service.

Service Management

Service Management Table		
<input type="checkbox"/>	Service Name	Protocol
	All Traffic	All
	DNS	UDP
	FTP	TCP
	HTTP	TCP
	HTTP Secondary	TCP
	HTTPS	TCP
	HTTPS Secondary	TCP
	TFTP	UDP
	IMAP	TCP
	NNTP	TCP
	POP3	TCP
	SNMP	UDP
	SMTP	TCP
	TELNET	TCP
	TELNET Secondary	TCP
	TELNET SSL	TCP
	Voice(SIP)	TCP & UDP
<input checked="" type="checkbox"/>	Service1	TCP & UDP

Step 2. Click **Delete** to delete the service.

Step 3. Click **Save** to save changes or **Cancel** to discard them.