

Service Management on the CVR100W VPN Router

Objective

Once the device has the firewall rule set up to where it can send and receive packets from other servers, the user can specify what service the rule controls on the device. These services can range anywhere from HTTP to TELNET. Specifying new services for the device gives the user a chance to input any service to use for the firewall rule. This article explains how to configure Service Management on the CVR100W VPN Router.

Applicable Device

- CVR100W

Software Version

- 1.0.1.19

Service Management

Step 1. Log in to the web configuration utility and choose **Firewall > Service Management**. The *Service Management* page opens:



The screenshot displays the 'Service Management' web interface. At the top, there is a header 'Service Management'. Below it is a table titled 'Services Table'. The table has five columns: a checkbox, 'Service Name', 'Protocol', 'Start Port', and 'End Port'. The table lists various services including All Traffic, DNS, FTP, HTTP, HTTP Secondary, HTTPS, HTTPS Secondary, TFTP, IMAP, NNTP, POP3, SNMP, SMTP, TELNET, TELNET Secondary, TELNET SSL, and Voice(SIP). Below the table are three buttons: 'Add Row', 'Edit', and 'Delete'. At the bottom of the interface are two buttons: 'Save' and 'Cancel'.

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

Service Management

Services Table					
<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	
<div><div>Add Row</div><div>Edit</div><div>Delete</div></div>					
<div><div>Save</div><div>Cancel</div></div>					

Step 2. Click **Add Row** to add another service.

Service Management

You must save before you can edit or delete.

Services Table					
<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"/>	<input type="text" value="Example"/>	<div> <div>TCP</div> <div> TCP UDP TCP & UDP ICMP </div> </div>	<input type="text" value="100"/>	<input type="text" value="100"/>	

Step 3. Enter the name of the new service in the Service Name field. This is used to identify the service.

Step 4. Select one of the following in the Protocol field:

- **TCP**— Transmission Control Protocol supplies the service with a reliable, error-checked delivery process between the server and other networks.
- **UDP**— User Datagram Protocol has no handshake protocol with other devices for security reasons. This makes the sending and receiving faster, but unreliable in many ways.
- **TCP & UDP**— This selection has each protocol working together on one port.
- **ICMP**— Internet Control Message Protocol is not specifically used to transport data between systems; however, it can be used to relay messages if a specific service cannot be reached.

Step 5. Enter the first port number for the service in the Start Port field.

Step 6. Enter the last port number for the service in the End Port field.

Step 7. Click **Save**.

Step 8. (Optional) To edit a service, check the check box of the service, click **Edit**, edit the desired fields, and click **Save**.

Step 9. (Optional) To delete a service, check the check box of the service, click **Delete**, and click **Save**.