

Content Filter Configuration on RV016, RV042, RV042G and RV082 VPN Routers

Objective

Content filtering configuration denies access to clients from administrator designated unwanted websites. Content filtering can block access to websites based on domain names and keywords. It is also possible to schedule when the content filtering is active. This article explains how to configure content filtering on RV016, RV042, RV042G, and RV082 VPN Routers.

Note: If Cisco Protectlink is active on the router, content filtering becomes disabled.

Applicable Devices

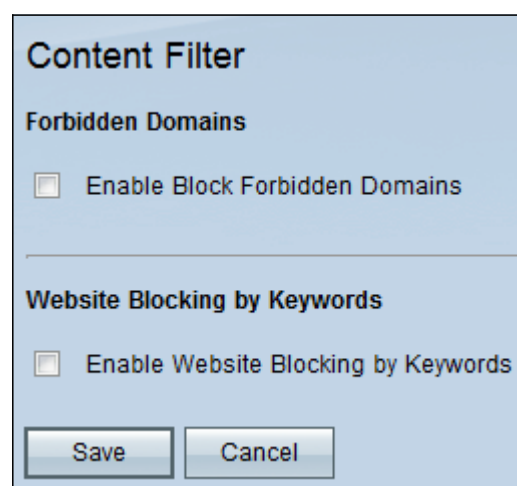
- RV016
- RV042
- RV042G
- RV082

Software Version

- v4.2.2.08

Content Filter

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



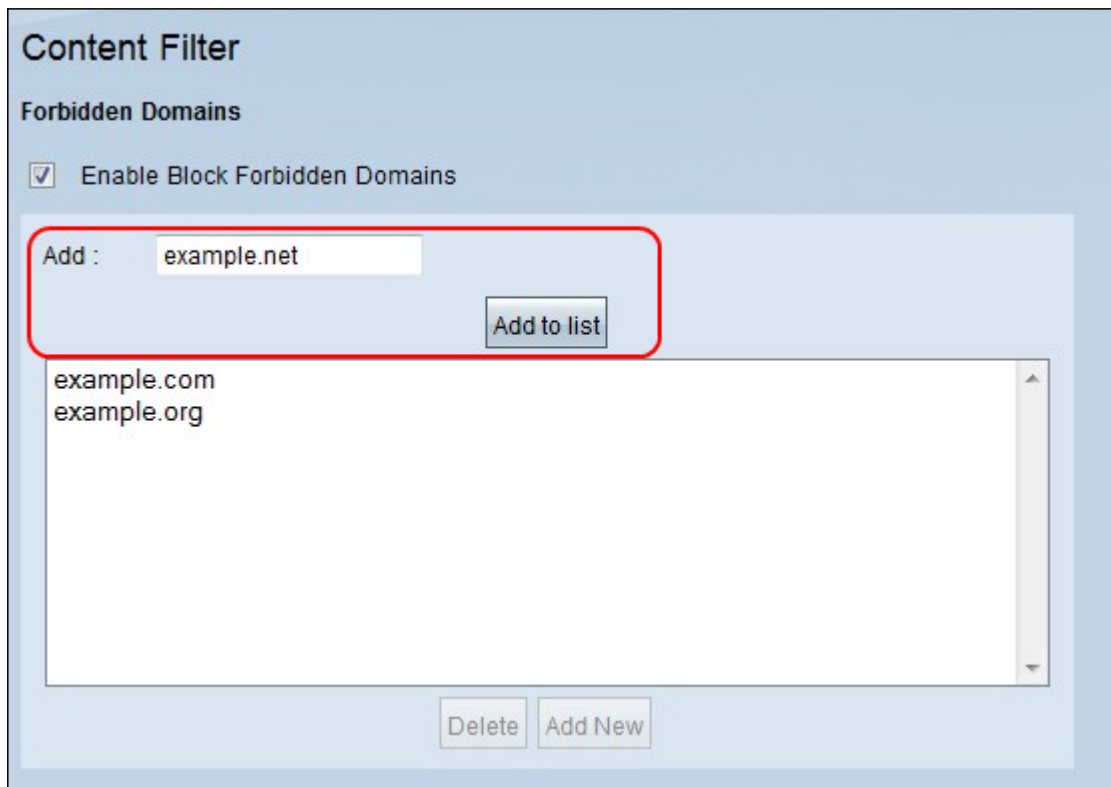
The screenshot shows the 'Content Filter' configuration page. It features a light blue header with the title 'Content Filter'. Below the header, there are two main sections. The first section is 'Forbidden Domains' and contains a checkbox labeled 'Enable Block Forbidden Domains'. The second section is 'Website Blocking by Keywords' and contains a checkbox labeled 'Enable Website Blocking by Keywords'. At the bottom of the page, there are two buttons: 'Save' and 'Cancel'.

Step 2. Check the checkbox of the desired content filter.

- [Content Filter for Forbidden Domains](#) — To block access to specific domains, check the **Enable Block Forbidden Domains** check box. Once checked, more options in the *Forbidden Domains* area appear on the page.
- [Content Filter for Website Blocking by Keywords](#) — To block access to websites based on

specific characters in their URL, check the **Enable Website Blocking by Keywords** check box.

Content Filter for Forbidden Domains



The screenshot shows a web interface titled "Content Filter" with a sub-section "Forbidden Domains". A checkbox labeled "Enable Block Forbidden Domains" is checked. Below this, there is an "Add" field containing "example.net" and an "Add to list" button. A list box below contains "example.com" and "example.org". At the bottom, there are "Delete" and "Add New" buttons.

Step 1. Enter a domain name you would like to block in the *Add* field. Click **Add to List** to add the domain to the *Forbidden Domain* list. Repeat this step as many times as is needed to enter all desired domain names to forbid.

Step 2. (Optional) To update an entry, select the entry from the table and enter the updated domain name in the *Add* field. When finished, click **Update**. The new domain name will appear in the table.

Step 3. (Optional) To delete any existing domains from the block list, select the domain and click **Delete**.

Step 4. (Optional) To add a new entry, click **Add New**.

Step 5. Click **Save** to save all settings.

Note: To schedule when the domain blocking is active, see [Scheduling](#).

Content Filter for Website Blocking by Keywords

The screenshot displays a web interface titled "Website Blocking by Keywords". At the top, there is a checked checkbox labeled "Enable Website Blocking by Keywords". Below this, there is an "Add" field containing the text "example3" and an "Add to list" button. A list box below the "Add" field contains the text "example1" and "example2". At the bottom of the interface, there are two buttons: "Delete" and "Add New". A red rectangle highlights the "Add" field and the "Add to list" button.

Step 1. Enter the keyword(s) you would like to block in the *Add* field and click **Add to List** to add the keywords to the block list. Repeat this step as many times as is needed to enter all desired keywords.

Step 2. (Optional) To delete a keyword from the list, select the respective keyword and click **Delete**.

Step 3. (Optional) To add a new entry, click **Add New**.

Step 4. Click **Save** to save all settings.

Note: To schedule when the keyword blocking is active, see [Scheduling](#).

Scheduling

You can schedule the content filtering in the *Scheduling* area. Scheduling the content rules determines when they will be in effect. The time and days of the week, the rules are active can be changed in this section.

The screenshot shows the 'Forbidden Domains' configuration interface. At the top, there is a checkbox for 'Enable Block Forbidden Domains'. Below that is the 'Website Blocking by Keywords' section, which has a checked checkbox for 'Enable Website Blocking by Keywords'. This section includes an 'Add' input field, an 'Add to list' button, a large empty list box, and 'Delete' and 'Add New' buttons. The 'Scheduling' section, highlighted with a red box, contains a 'Time' dropdown menu currently set to 'Always', 'From' and 'To' time input fields both set to '00:00' with '(hh:mm)' labels, and 'Effective on' checkboxes for 'Everyday' (checked), 'Sun', 'Mon', 'Tue', 'Wed', 'Thu', 'Fri', and 'Sat'. At the bottom of the 'Scheduling' section are 'Save' and 'Cancel' buttons.

Note: Scheduling can only be enabled once a content filter has been configured.

Note: Scheduling applies to all the content filtering rules.

Step 1. Choose the appropriate time when to apply the content filtering rules on the router from the *Time* drop-down list.

- Always — Access rules always apply on the router. The default is Always.
- Interval — Access rules are applied for specific times according to the time that is configured.

Timesaver: If scheduling is set to Always, skip to [step 5](#).

Step 2. Enter the start time to apply the content filter rule on the RV router in the *From* field. The format for the time is hh:mm. The times are in 24 hour notation.

Step 3. Enter the end time to apply the content filter rule on the RV router in the *To* field. The format for the time is hh: mm. The times are in 24 hour notation.

Step 4. Check the desired check boxes on the days you want to apply the access rule on the RV router in the *Effective On* field.

[Step 5](#). Click **Save** to save the changes.