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CommScope Technical Content

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URL Filtering

URL filtering allows administrators to manage internet usage by preventing access to inappropriate websites using a customizable combination of blacklists and whitelists.

The ZoneDirector URL filtering implementation uses a third-party web classification system that groups a wide variety of internet domains into various levels of inappropriate content, and allows flexible control according to the deployment environment.

Each website is categorized into one of the 83 categories. To find out which category a website falls into, see the Webroot BrightCloud Server site lookup tool (*https://www.brightcloud.com/tools/url-ip-lookup.php*).

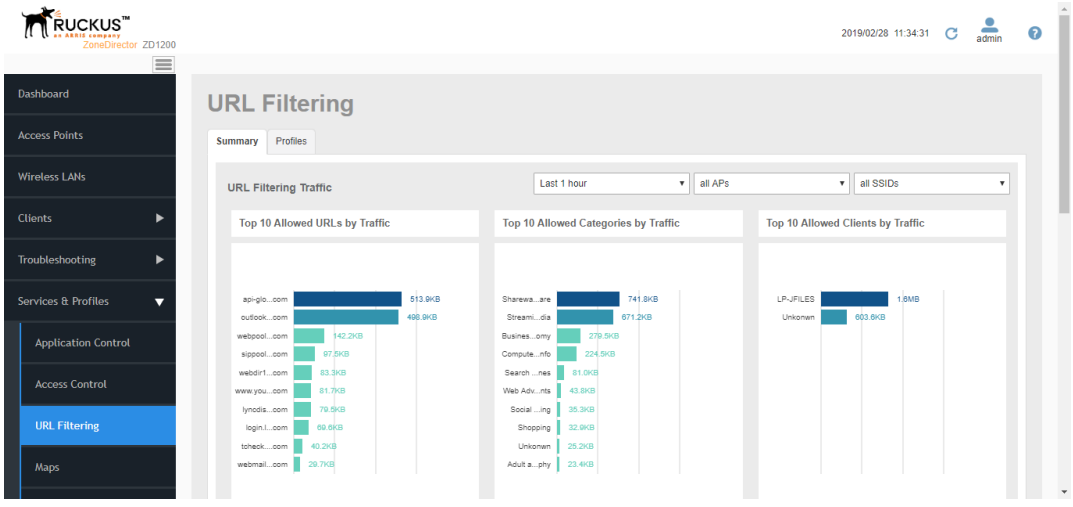
To deploy URL filtering, you must create a URL filtering profile using either one of the preset category groups or a customized selection of categories. Once a profile is created, you can apply it to either one or more WLANs or to a user role for role-based access control.

There are four pre-defined category groups and one custom category group:

- **No adult content**: No adult content or nudity.
- **Clean and safe**: No adult content plus no malware, spyware, phishing, botnets or spamware.
- **Child and student friendly**: Clean and safe plus no alcohol, intimate apparel, dating, or weapons.
- **Strict**: Child and student friendly plus no streaming media, personal storage and games.
- **Custom**: Select the categories of traffic to block from the list.

Once enabled, you can view lists of the top URLs blocked by the system, top clients attempting to visit restricted domains, top allowed URLs and content categories by traffic volume, and other useful metrics from the URL Filtering *Summary* tab.

Figure 1. Viewing URL filtering reports



Parent topic: Configuring Services and Profiles

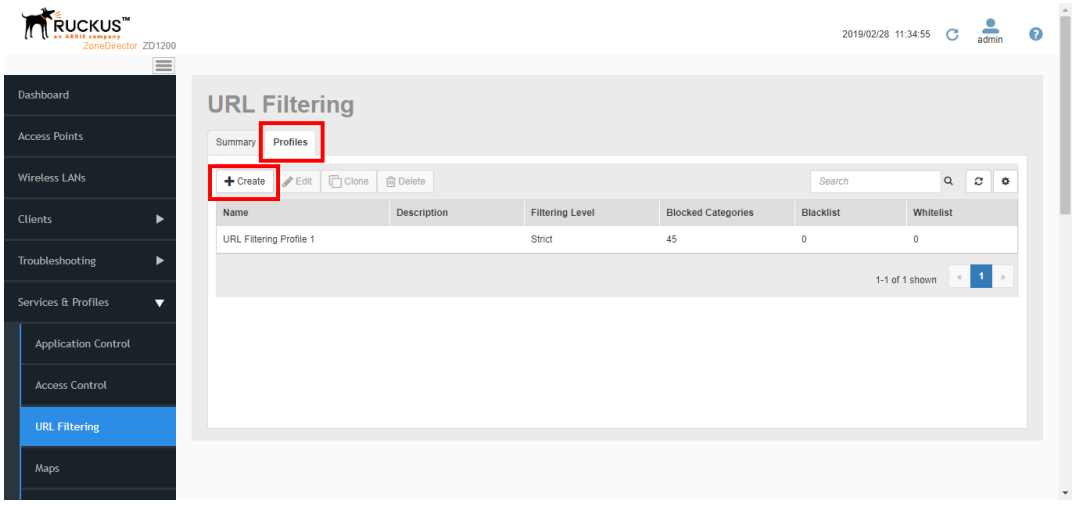
Creating a URL Filtering Profile

You must create a URL filtering profile before you can apply the profile to a WLAN or to a user role.

To create a URL filtering profile:

1. Go to **Services & Profiles > URL Filtering**.
2. Click the **Profiles** tab.
3. Click **Create**. The *Create New* form appears.

   Figure 1. Creating a URL filtering profile



4. Enter a **Name** and optionally a **Description** for this profile.
5. Select one of the content filtering category groups, in increasing order of strictness, or select **Custom**, and select any number of individual categories.

   Figure 2. Select level of strictness

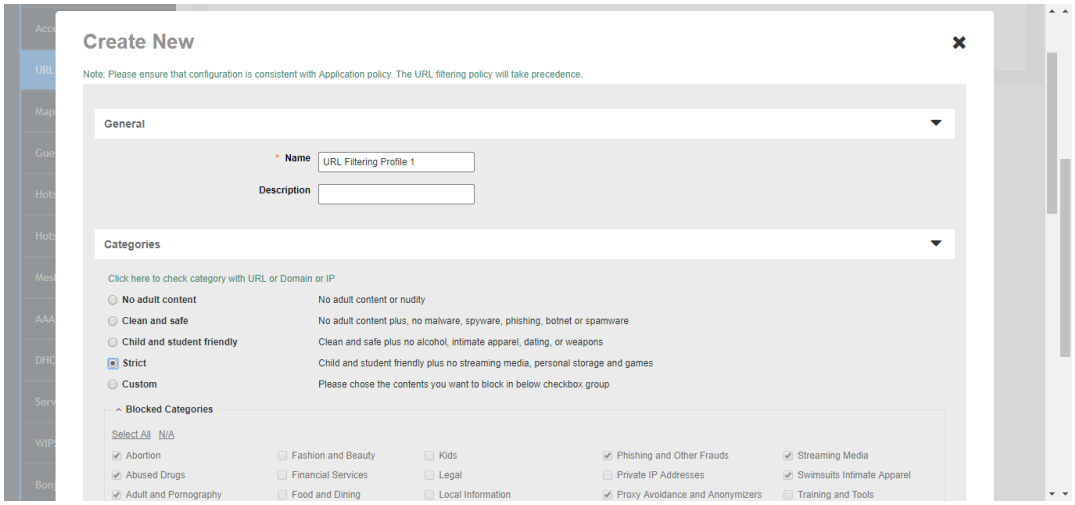
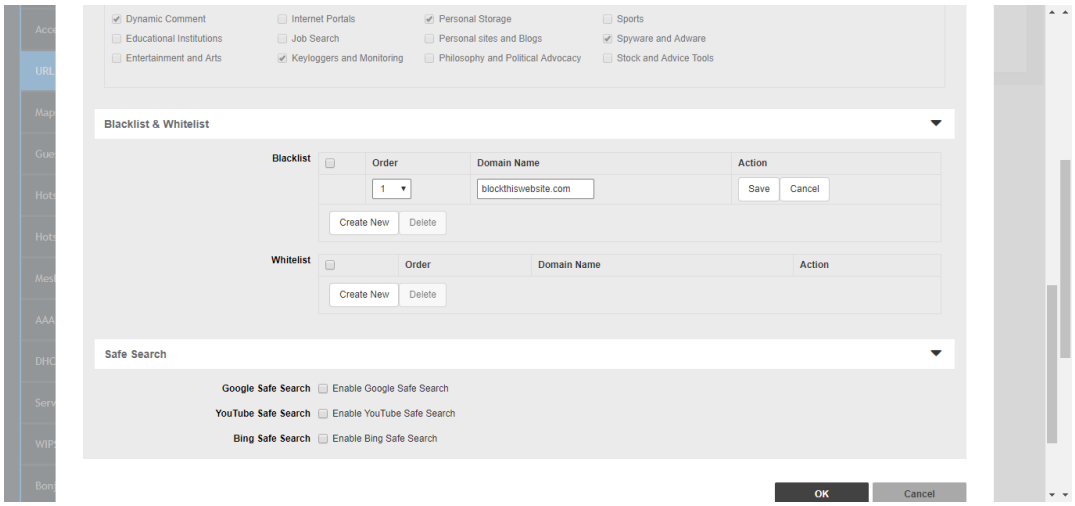
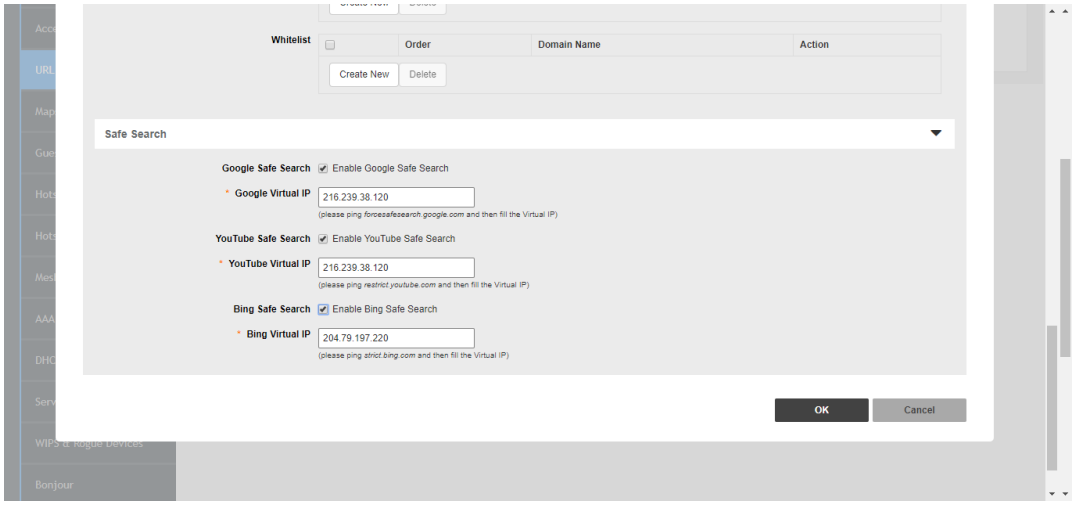


   Figure 3. Blacklisting or whitelisting a specific URL



6. Optionally, in *Blacklist & Whitelist*, you can add custom URLs to either block or allow. Whitelist and blacklist entries override the rules configured above. A maximum of 16 blacklist and 16 whitelist entries can be created per profile.
7. Optionally, in *Safe Search*, enable or disable "Safe Search" functionality from Google, Youtube or Bing.
Figure 4. Enable Google, Youtube and Bing Safe Search options



8. Click **OK** to save your changes. A maximum of 32 profiles can be created.

Parent topic: URL Filtering

Applying a URL Filtering Policy to a WLAN

Once a URL filtering policy has been created, you can apply it to your wireless networks using the following procedure.

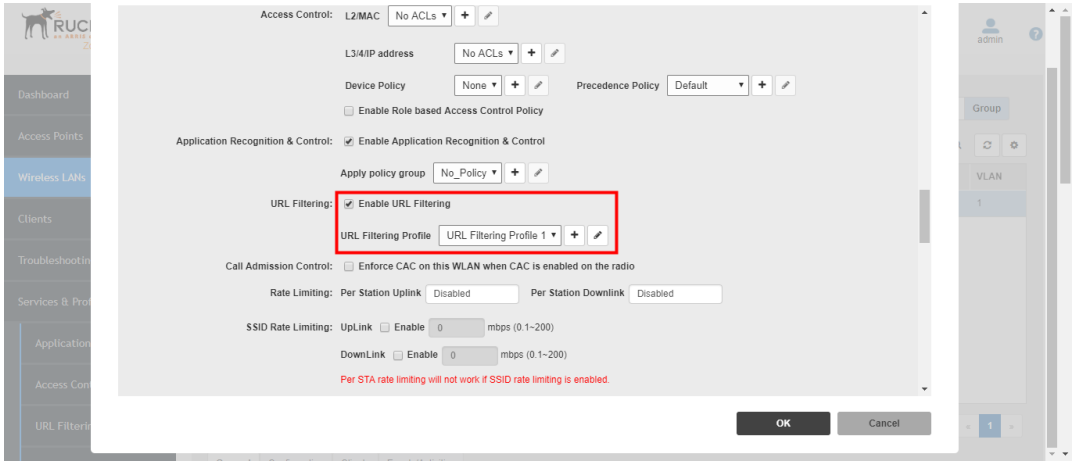
To apply a URL filtering policy to a WLAN:

1. Go to **Wireless LANs**, select the WLAN you would like to configure, and click **Edit**.
2. Scroll down and expand the **Advanced Options** section.
3. In *URL Filtering*, select **Enable URL Filtering** and select a **URL Filtering Profile** that you created from the drop-down list.

Alternatively, click the **+** (Create New) icon to create a new policy and apply it to this WLAN.

4. Click **OK** to save your changes.

Figure 1. Enabling URL filtering for a WLAN



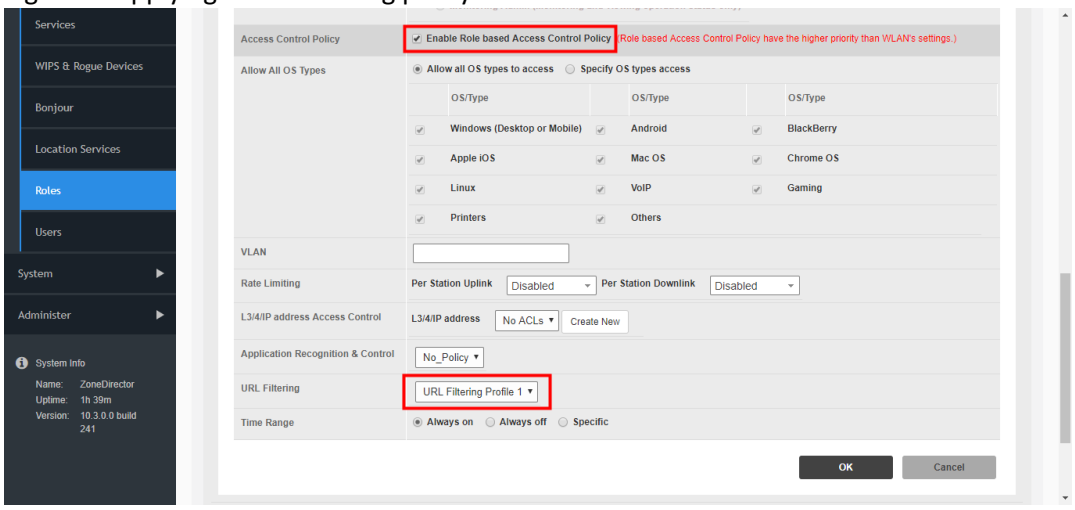
Parent topic: URL Filtering

Applying a URL Filtering Policy to a Role

To apply a URL filtering policy to a user role, use the following procedure:

1. Go to **Services & Profiles > Roles**.
2. Select a role from the list and click **Edit**, or click **Create New** to create a new user role.
3. In *Access Control Policy*, enable **Enable Role Based Access Control Policy**.
   For more information on Role Based Access Controls (RBAC), see *Role Based Access Controls*.
4. In *URL Filtering*, select a URL filtering profile you created from the drop-down list.
5. Click **OK** to save your changes.

Figure 1. Applying a URL Filtering policy to a role



Parent topic: URL Filtering

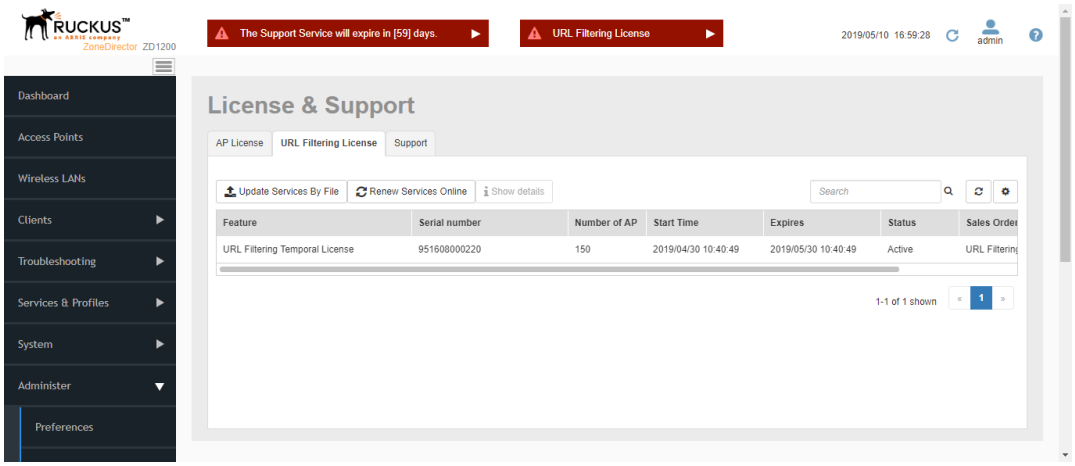
Working with URL Filtering Licenses

URL Filtering service requires an active URL filtering license on the ZoneDirector to function. URL filtering licenses can be purchased from Ruckus partners and distributors, and a temporary license is also available to allow customers to try out the service for a limited time before purchasing.

To manage URL filtering licenses:

1. Go to **Administer > License & Support**.
2. In the **URL Filtering License** tab, configure any of the following:
    - **Update Services By File**: Import a new locally saved license file.
    - **Renew Services Online**: Connect to Ruckus license server to download a license file.
    - **Show Details**: Select the license file from the list and click **Show Details** to view license expiration details.

Figure 1. Working with URL filtering licenses



Parent topic: URL Filtering
Parent topic: Working with Licenses and Support

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