SOPHOS
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Workflow Guide

How to setup application filter

Product: Sophos XG Firewall

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Contents

Overview

An Application Filter Policy controls a user's application access. It specifies which user has access to which applications and allows you to define powerful security policies based on almost limitless policy parameters like:

- Individual users
- Groups of users
- Time of day

The device is shipped with the certain predefined policies such as 'Allow All', 'Deny All' for application filters to address common use cases.

Configuration

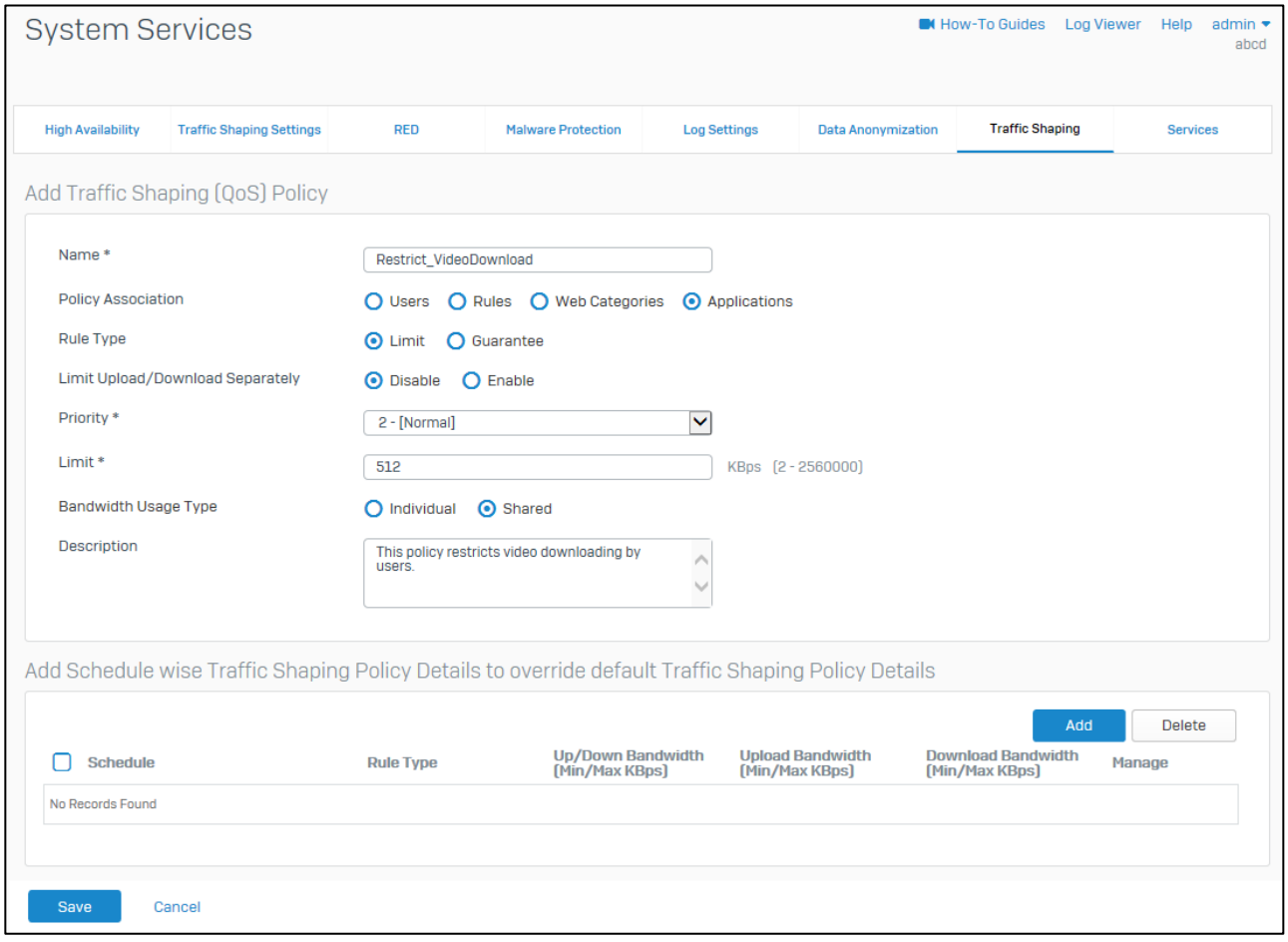
Step 1: Configure bandwidth management policy

Go to **Configure** > **System Services** > **Traffic Shaping** and click **Add** to add a new bandwidth management policy.

Parameter	Value	Description
Name	**Restrict_Videodownload**	Restricts the bandwidth for a particular user.
Policy Association	**Applications**	Select Type of Policy Associations from Available Options: – Users – Rules – Web Categories – Applications
Rule Type	**Limit**	Select the type of policy. Available Options: – **Limit** - In this type of policy, user cannot exceed the defined bandwidth limit. – **Guarantee**- In this type of policy, user is allocated

Parameter	Value	Description
		the guaranteed amount of bandwidth and can draw bandwidth up to the defined limit, if available.
Limit Upload/Download Separately	**Disable**	Select from the available options. Available Options: – **Disable** - Limits total (Upload + Download) bandwidth. – **Enable** - Limits Upload and Download bandwidth separately.
Priority	**2-Normal**	Set the bandwidth priority. Priority can be set from 0 (highest) to 7 (lowest) depending on the traffic required to be shaped. – 0 - Real Time for example, VOIP – 1 - Business Critical – 2 to 5 - Normal – 6 - Bulky - FTP – 7 - Best Effort for Example, P2P
Limit	**512**	Specify allowed total bandwidth.
Bandwidth Usage Type	**Shared**	Select the type of bandwidth usage. **Available Options:** – **Individual** - Allocated bandwidth is for the particular User/Rule/Web

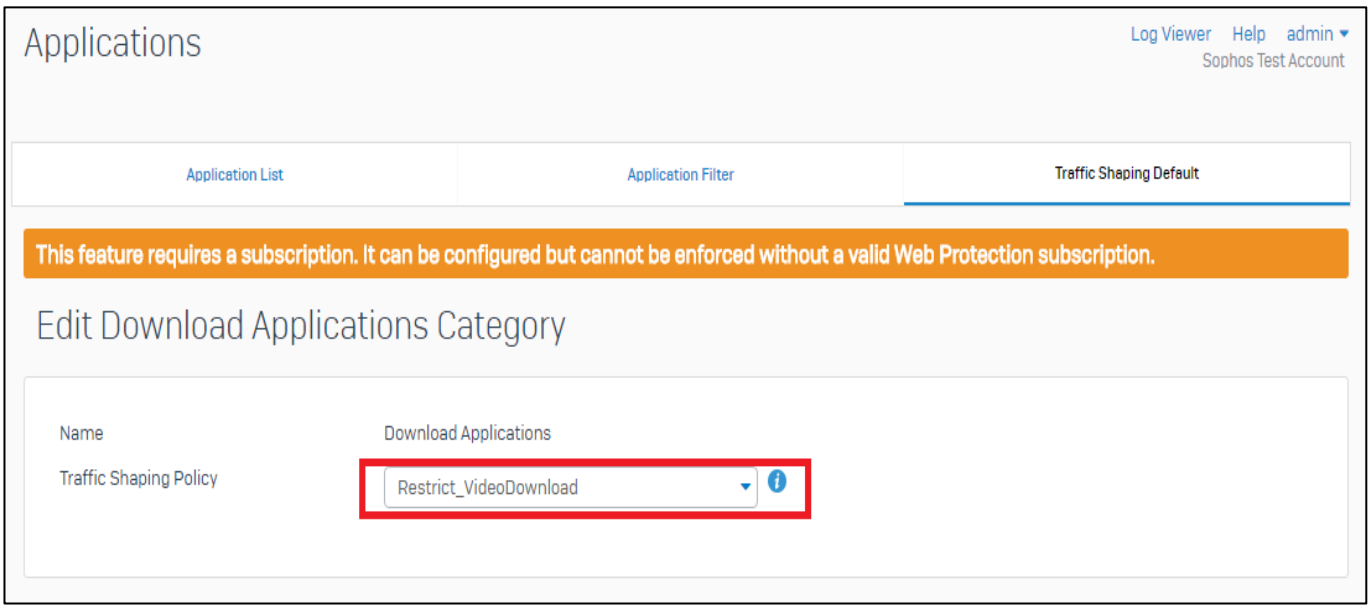
Parameter	Value	Description
		Category/Application only. – **Shared** - Allocated bandwidth is shared among all the Users/Rules/Web Categories/Applications who have been assigned this policy.



Click **Save** to save bandwidth management policy.

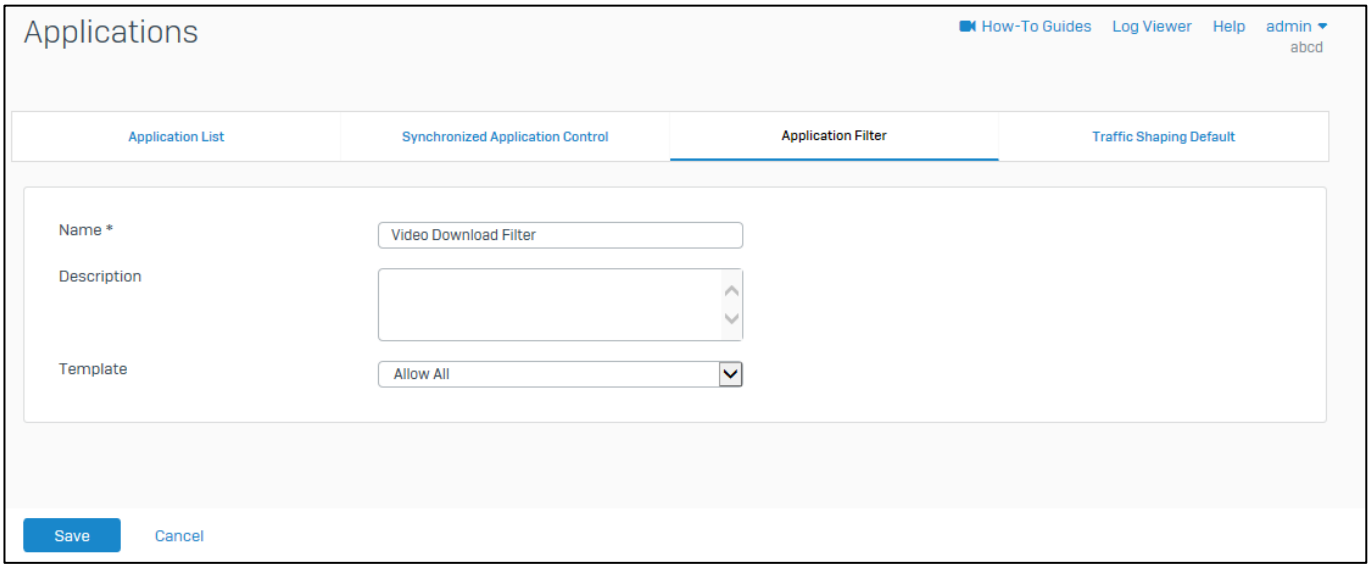
Step 2: Apply Traffic Shaping policy on Application Category

Go to **Protect > Applications > Traffic Shaping Default** and click **Manage** icon. Apply Traffic Shaping policy to the category.



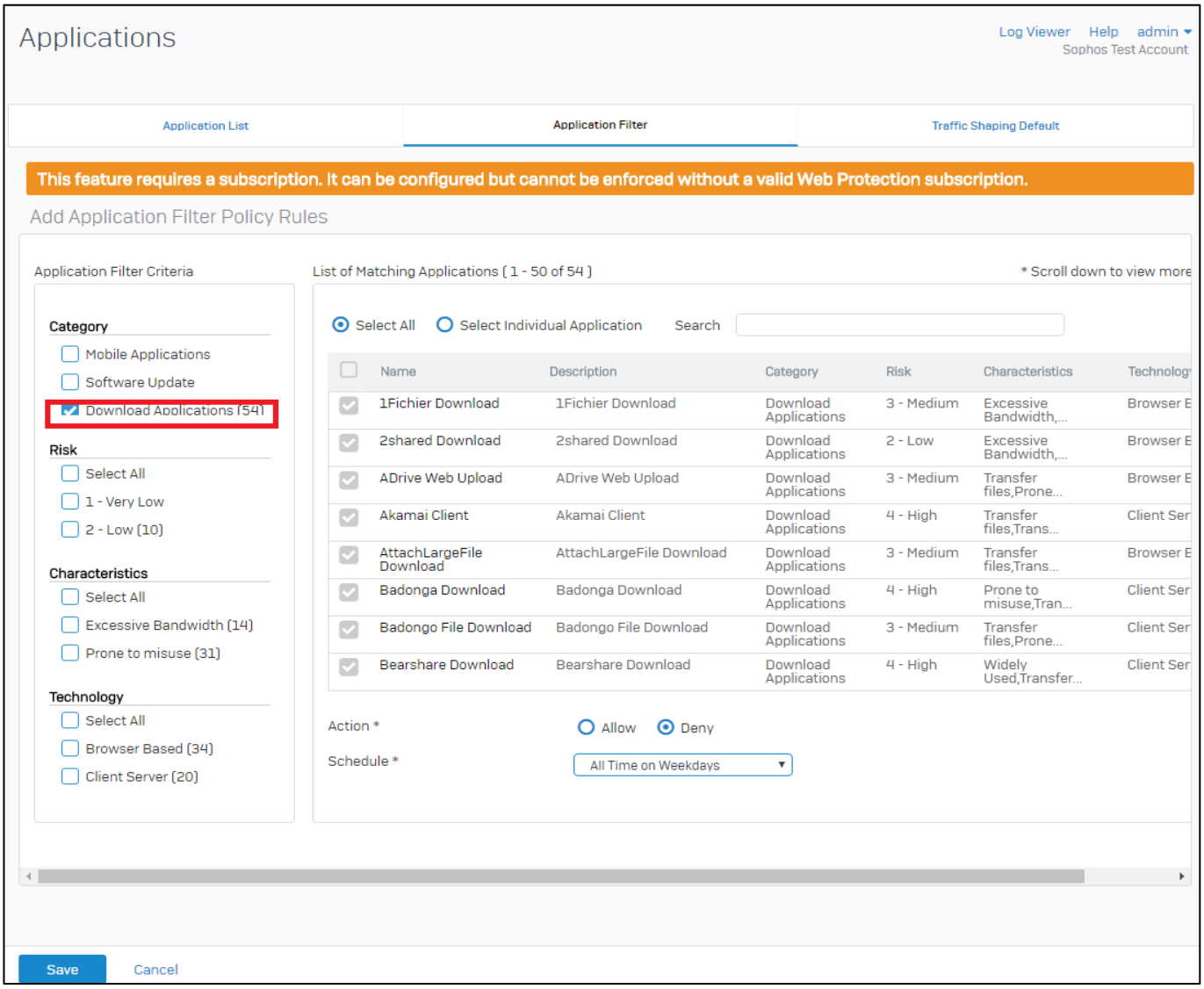
Step 3: Create a new Application Filter Policy

Go to **Protect > Applications > Application Filter** and click **Add**. Enter name and description for application filter.



Note: Option to Enable Micro App Discovery is available for devices running on v16 and below.

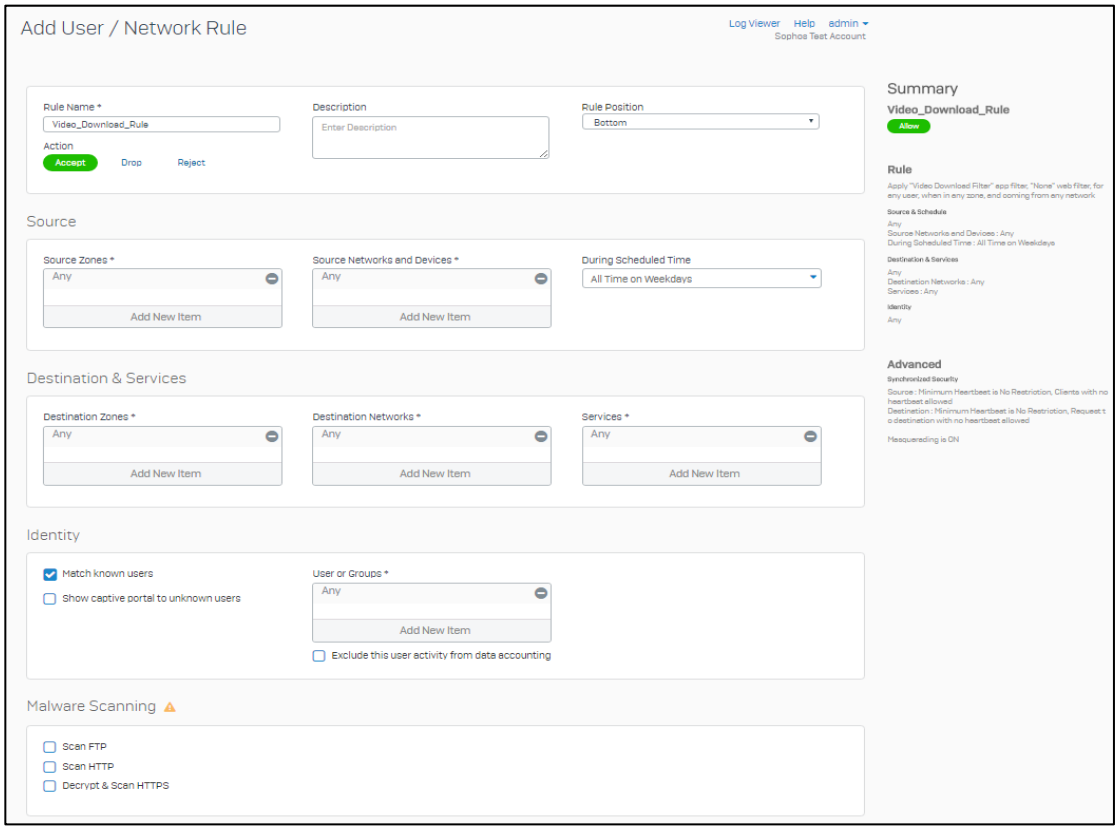
Click **Add** to add filter criteria as shown below:

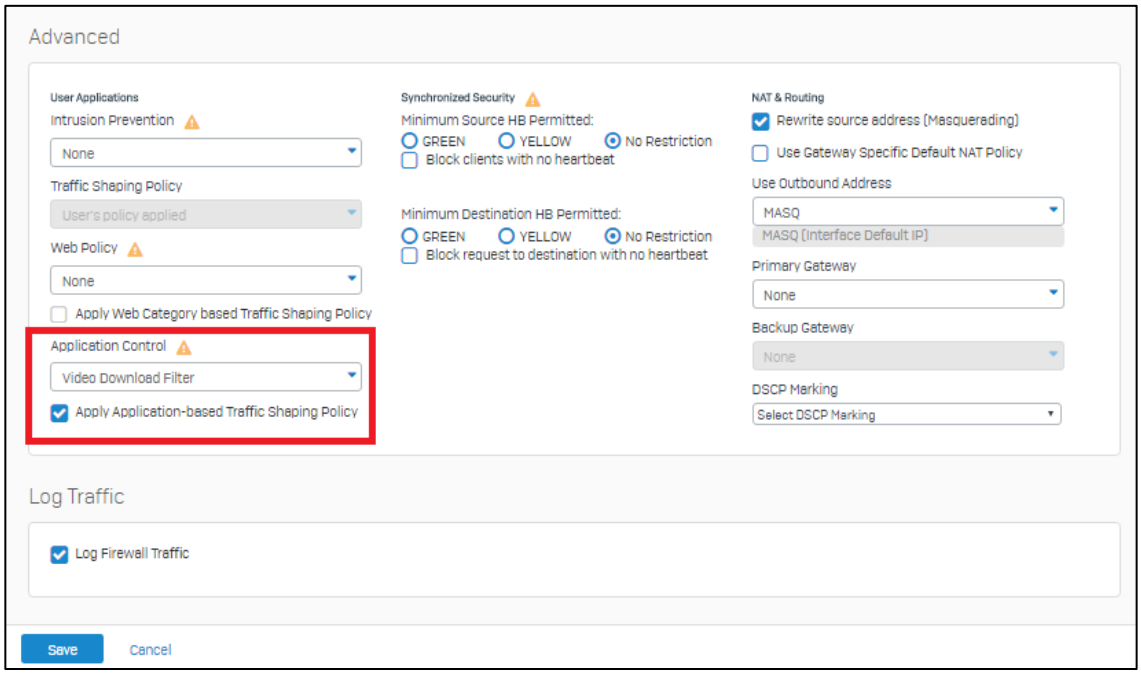


Click **Save** to save the application filter policy.

Step 4: Create Firewall Rule for application filter

Go to **Protect > Firewall** and click **Add User / Network Rule**. Add a rule as shown below:





Click **Save**.

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