



# Workflow Guide

## How to setup application filter

Product: Sophos XG Firewall

Document Date: November 2017

## **Contents**

Overview	3
Configuration	
Step 1: Configure bandwidth management policy	
Step 2: Apply Traffic Shaping policy on Application Category	5
Step 3: Create a new Application Filter Policy	6
Step 4: Create Firewall Rule for application filter	8
Copyright Notice	9

#### **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.

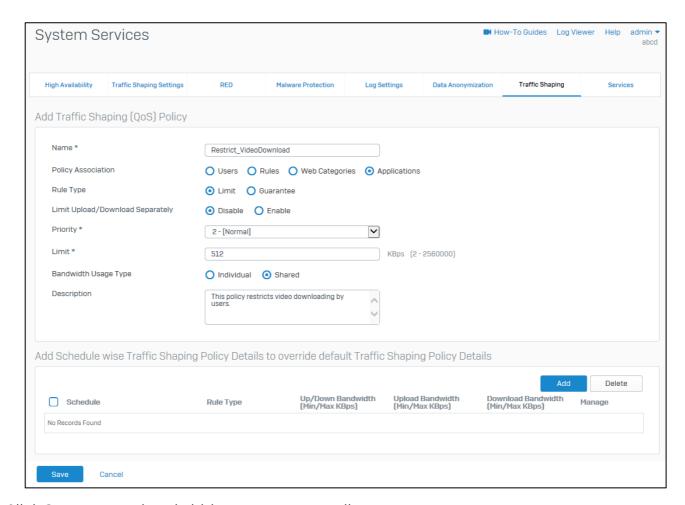
Parameter	Value	Description
Name	Restrict_Videodownload	Restricts the bandwidth for a particular user.
Policy Association	Applications	Select Type of Policy Associations from Available Options:  - Users - Rules - Web Categories - Applications
Rule Type	Limit	Select the type of policy.  Available Options: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

November 2017 Page 3 of 9

Parameter	Value	Description
		the guaranteed amount of bandwidth and can draw bandwidth up to the defined limit, if available.
Limit Upload/Downloa	Disable	Select from the available options.
d Separately		Available Options:
		<ul> <li>Disable - Limits total (Upload + Download) bandwidth.</li> <li>Enable - Limits Upload and Download bandwidth separately.</li> </ul>
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.
		<ul> <li>O - Real Time for example, VOIP</li> <li>1 - Business Critical</li> <li>2 to 5 - Normal</li> <li>6 - Bulky - FTP</li> <li>7 - Best Effort for Example, P2P</li> </ul>
Limit	512	Specify allowed total bandwidth.
Bandwidth Usage Type	Shared	Select the type of bandwidth usage.
		Available Options:
		<ul> <li>Individual - Allocated bandwidth is for the particular User/Rule/Web</li> </ul>

November 2017 Page 4 of 9

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.

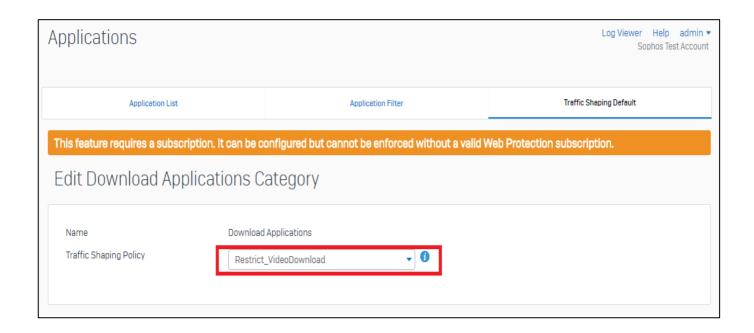


Click Save to save bandwidth management policy.

#### Step 2: Apply Traffic Shaping policy on Application Category

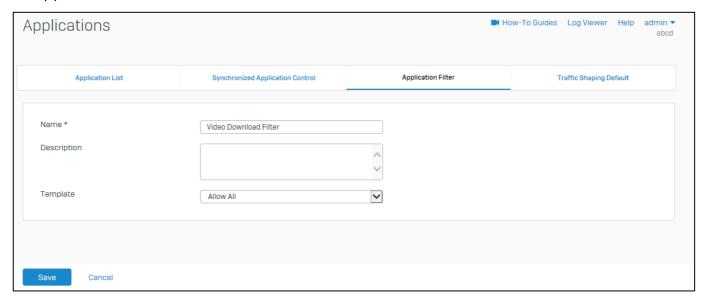
Go to **Protect > Applications > Traffic Shaping Default** and click **Manage** icon. Apply Traffic Shaping policy to the category.

November 2017 Page 5 of 9



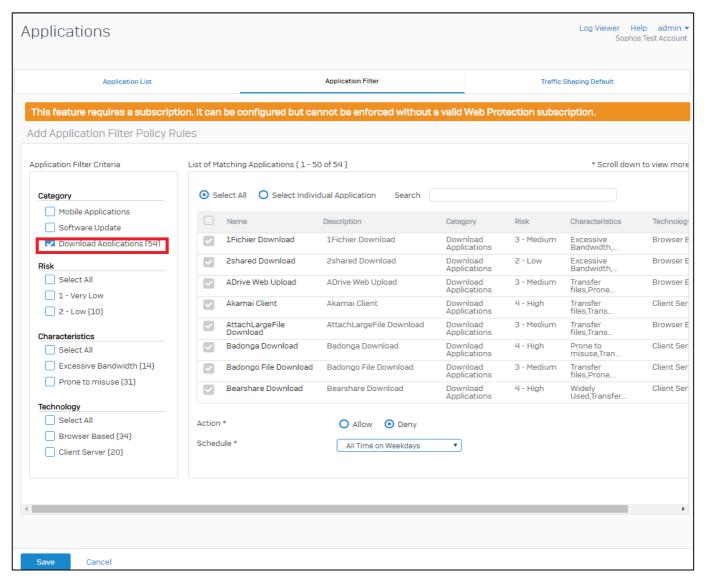
#### Step 3: Create a new Application Filter Policy

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:

November 2017 Page 6 of 9



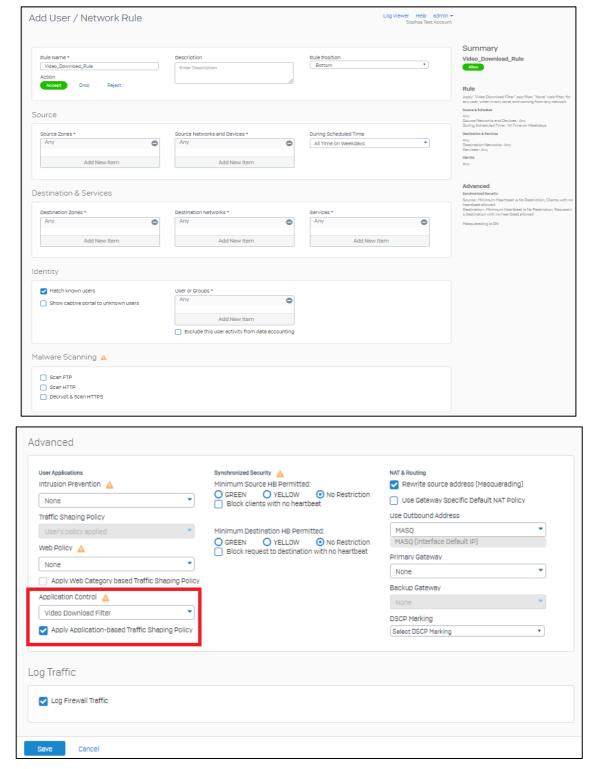
Click Save to save the application filter policy.

November 2017 Page 7 of 9

Version: 01092016AHM

#### 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.

November 2017 Page 8 of 9

### **Copyright Notice**

Copyright 2015-2016 Sophos Limited. All rights reserved.

Sophos is a registered trademark of Sophos Limited and Sophos Group. All other product and company names mentioned are trademarks or registered trademarks of their respective owners.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise unless you are either a valid licensee where the documentation can be reproduced in accordance with the license terms or you otherwise have the prior permission in writing of the copyright owner.

November 2017 Page 9 of 9