Enable Specific YouTube Channel/Video and Block Rest of YouTube in SWA

Contents

Introduction

Prerequisites

- Requirements
- Components Used

Configuration Steps

Related Information

Introduction

This document describes how to allow specific YouTube channels/videos and block the rest of YouTube in Secure Web Appliance (SWA).

Prerequisites

Requirements

Cisco recommends knowledge of these topics:

- Access ToGraphic User Interface (GUI)of SWA
- Administrative Access to the SWA.

Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Configuration Steps

Use these steps in order to allow a specific YouTube channel while access to YouTube is blocked:

Step 1. Create **Custom and External URL Categories** for the channel that needs to grant access, in this example, this URL category is called 'channel'.

Step 1.1. From GUI, navigate to **Web Security Manager** and choose **Custom URL and External Categories**.


Web Security Manager
Security
Authentication
Identification Profiles
SaaS Policies
Web Policies
Decryption Policies
Routing Policies
Access Policies
Overall Bandwidth Limits
Data Transfer Policies
Cisco Data Security
Outbound Malware Scanning
External Data Loss Prevention
Web Traffic Tap Policies
SOCKS Policies
Custom Policy Elements
Custom and External URL Categories

: Ensure the 'Channel' custom URL category has lower priority than the 'YouTube' custom URL category.

Custom and External URL Categories

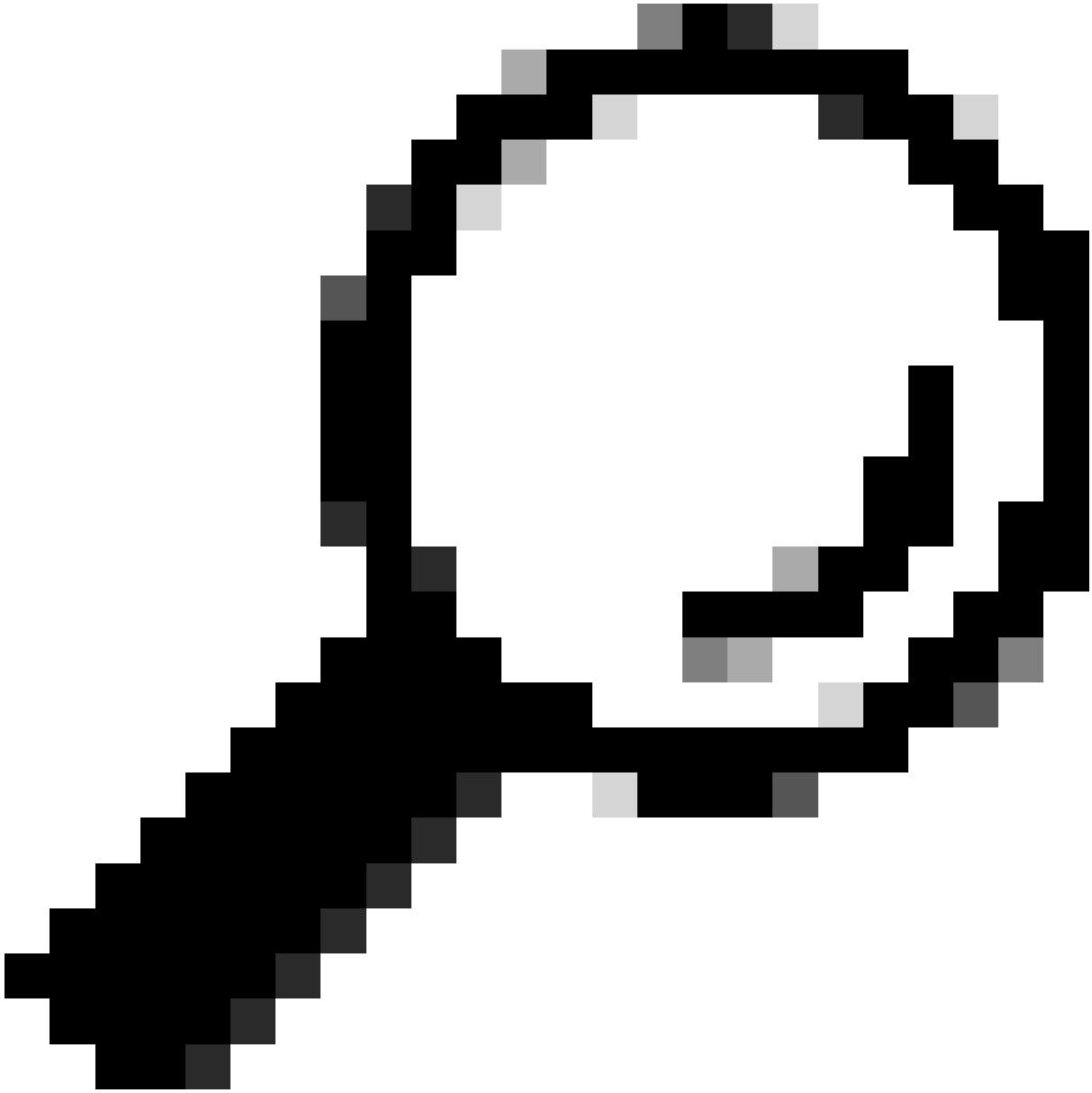
Categories List

Add Category...

Order	Category	Category Type	Comments	Last Updated	Feed Content	Delete
1	Channel	Custom (Local)		N/A	-	
2	YouTube	Custom (Local)	Block Access to YouTube	N/A	-	

Image- Custom URL Category Order.png

Step 3. Create **Identification Profiles** for the users who are permitted to access the YouTube channel.



Tip: You can set the Custom Categories in the Decryption and Access Policy. In this case, there is no need to set a separate ID profile.

Step 3.1. From GUI, navigate to **Web Security Manager** and choose **Identification Profiles**.

Step 3.2. Choose **Add Identification Profile**.

Step 3.3. Enter the **Profile Name**.

Step 3.4. Choose the user(s) or define the members by IP Subnet.

Step 3.5. Click the **Advanced** section and choose **URL Categories**.

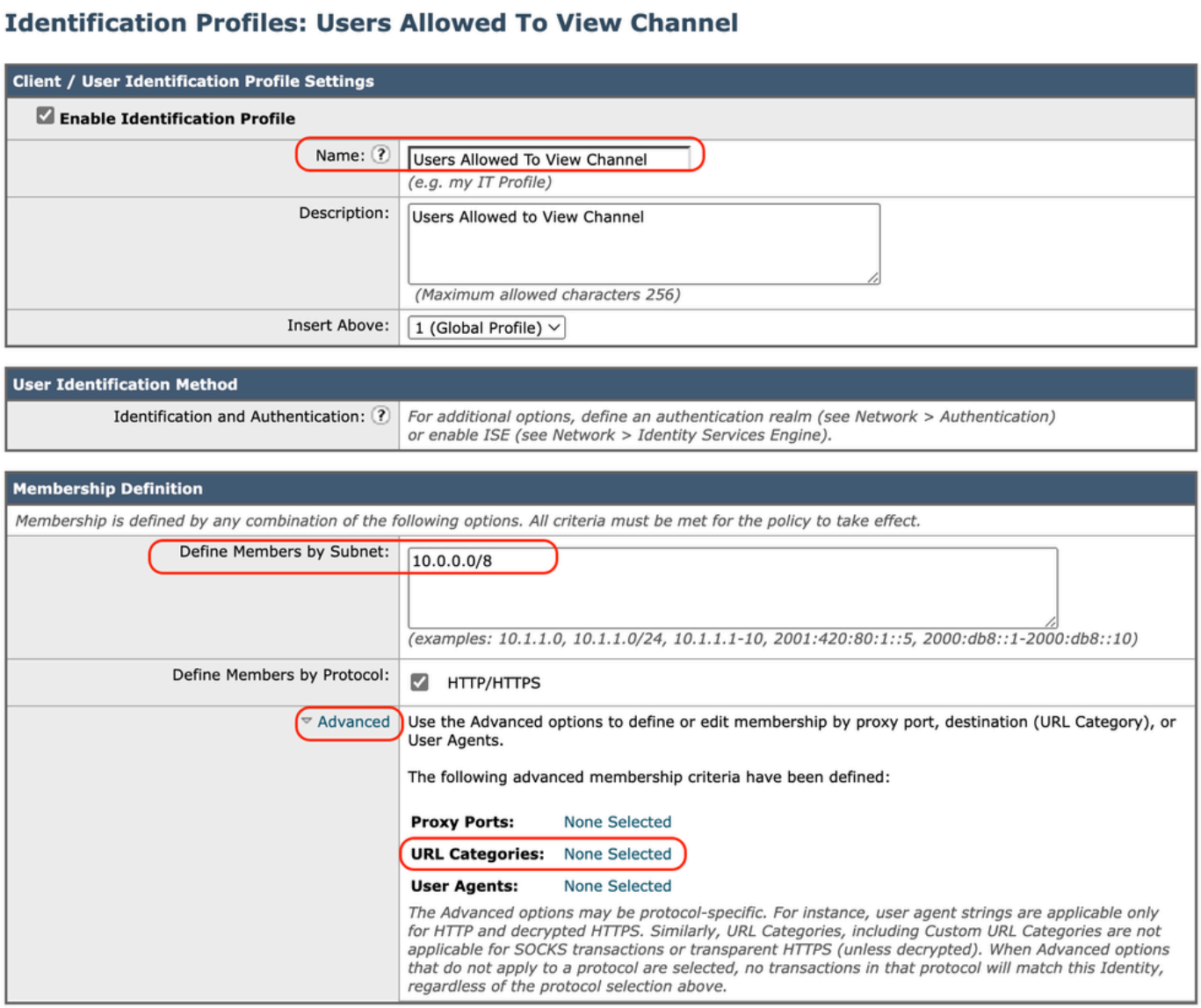


Image- Create ID Profile

Step 3.6. Add both URL categories which were created in Step 1. and Step 2. and click **Done**.

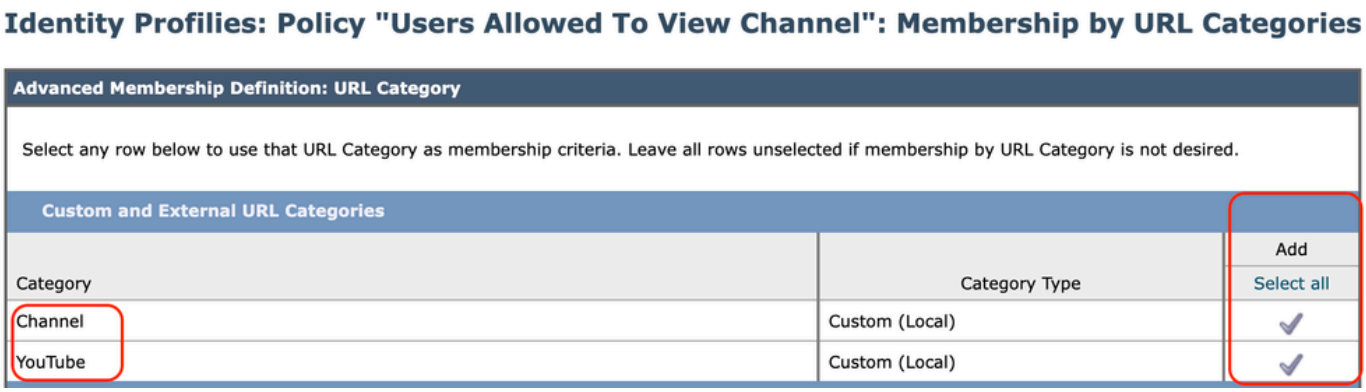
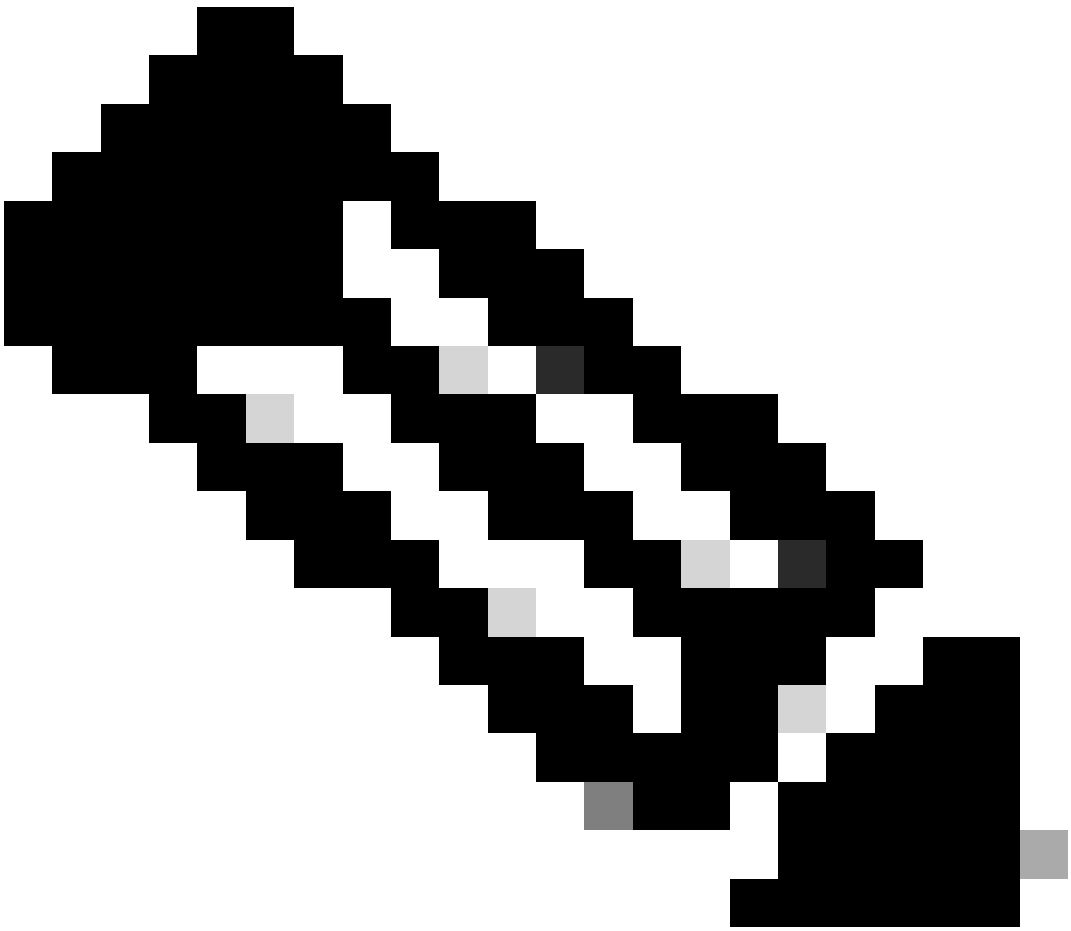


Image- Add URL Categories

Step 3.7. **Submit** changes.

Step 4. Create a Decryption policy in order to decrypt the YouTube traffic. In this example, the policy name is **Decrypt Youtube**.



Note: If you do not decrypt YouTube Traffic, SWA is unable to determine the channel address in Transparent deployment.

Step 4.1. From GUI, navigate to **Web Security Manager** and choose **Decryption Policies**.

Step 4.2. Choose **Add Policies** and enter the policy Name.

Step 4.3. Choose the **Identification Profile** that you created in Step 3.

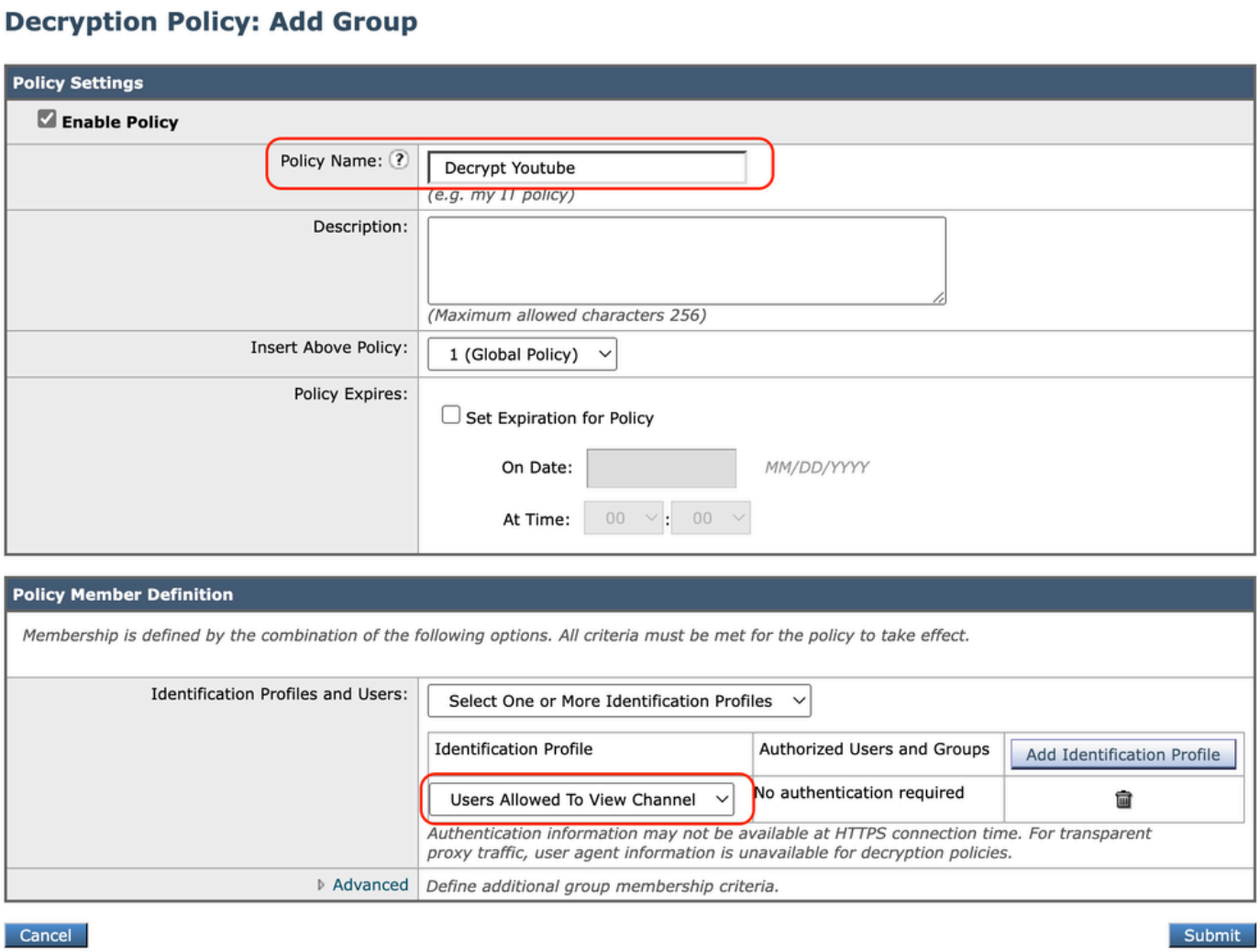


Image- Create Decryption Policy

Step 4.4. **Submit** the changes.

Step 4.5. On the **Decryption Policies** page, click **Monitor** in the **URL Filtering** section.

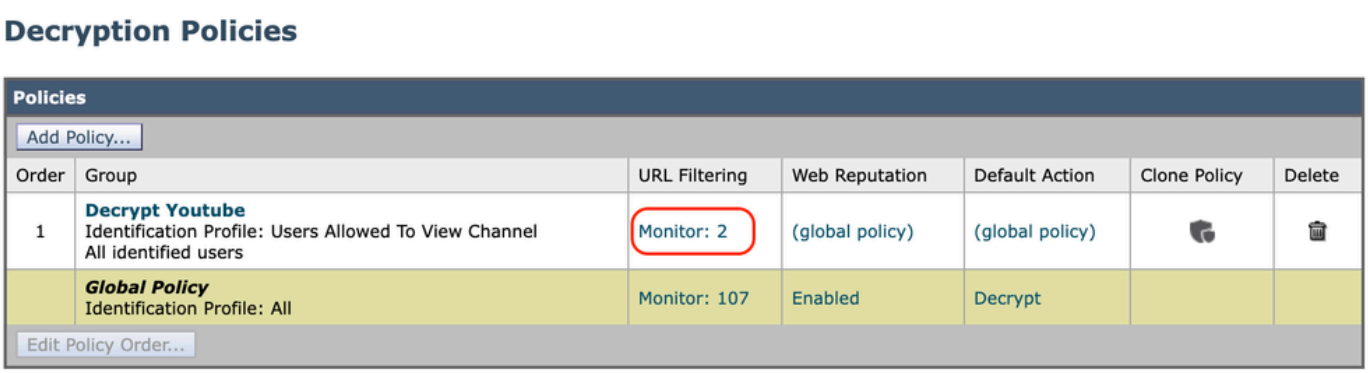


Image- Click on URL Filtering

Step 4.6. Choose **Decrypt** for both URL categories and **Submit**.

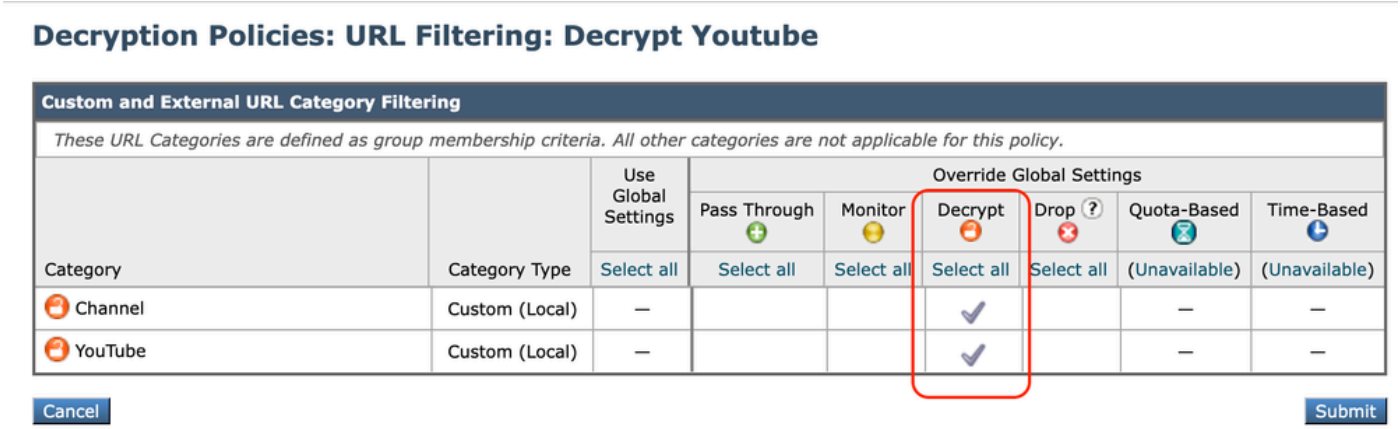


Image- Choose Decrypt

Step 5. Create an **Access Policy** in order to configure YouTube Channel access. In this example, the policy name is **Allow YouTube**.

Step 5.1. From GUI, navigate to **Web Security Manager** and choose **Access Policies**.

Step 5.2. Click **Add Policy** and enter the policy name.

Step 5.3. Choose the **Identification Profile** that you create in Step 3.

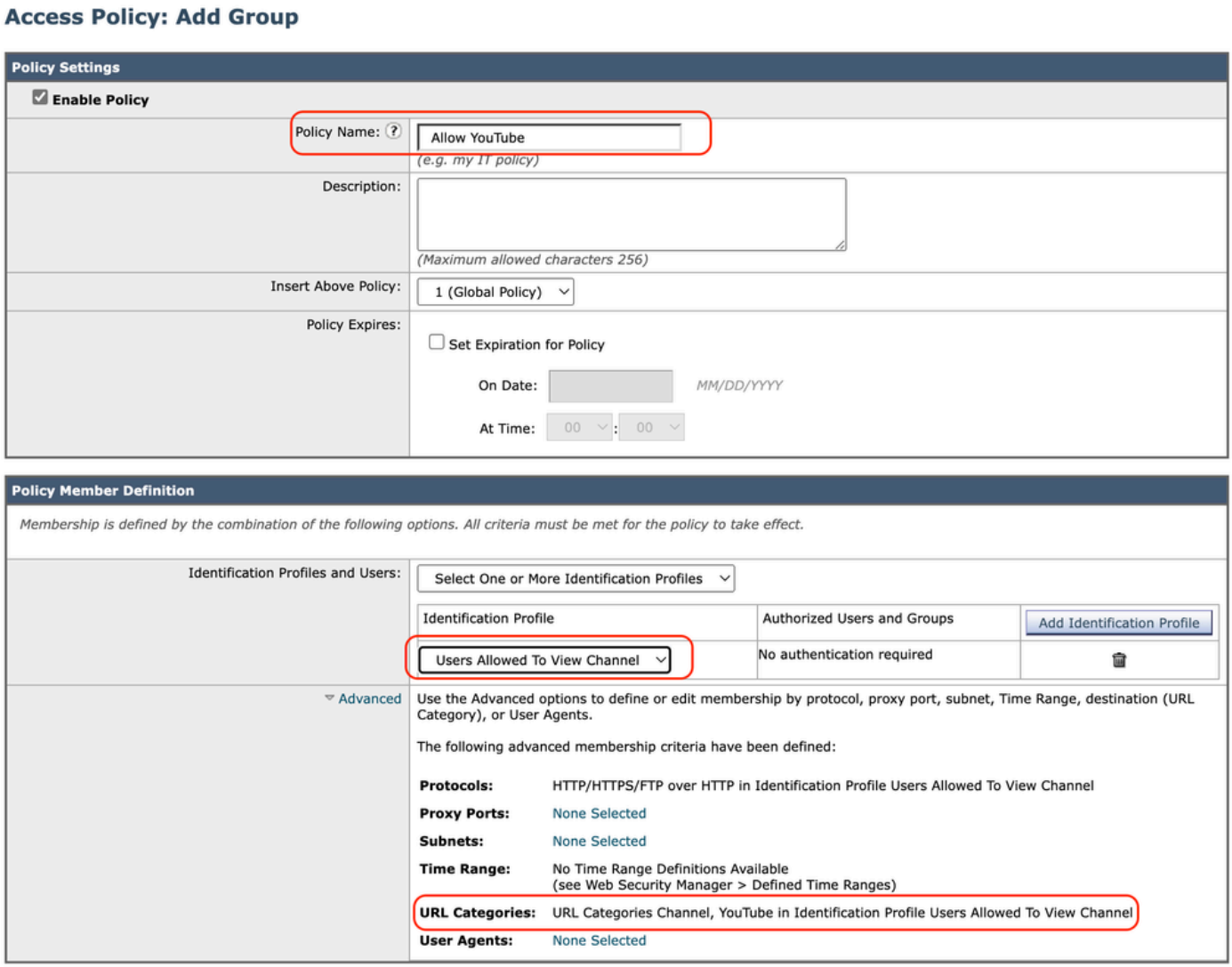


Image- Create Access Policy

Step 5.4. **Submit** changes.

Step 5.5. On the **Access Policies** page, click **Monitor** in the **URL Filtering** section.

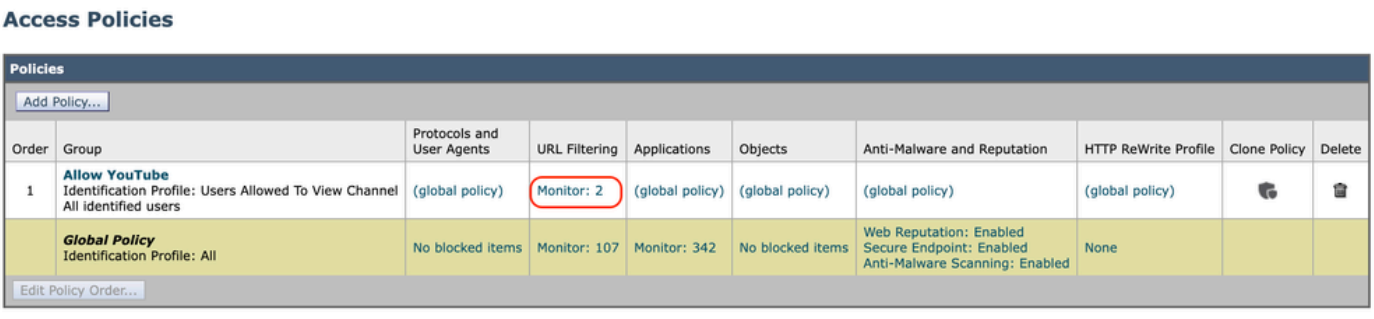


Image- Configure Access Policy

Step 5.6. Choose **Allow** for **Channel** category.

Step 5.7. Choose **Block** for the **YouTube** category.

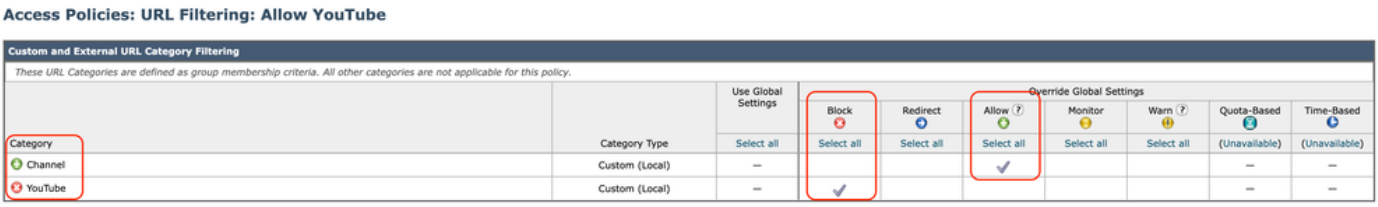


Image- Set Category Action

Step 5.8. On the same page, scroll to **Exceptions to Blocking for Embedded/Referred Content** and Enable **Referrer Exceptions**.

Step 5.9. Choose **All embedded/referred content**.

Image- Enable Referrer

Step 5.10. From Set Exception for Content Referred by These Categories, choose the **YouTube** custom URL category.

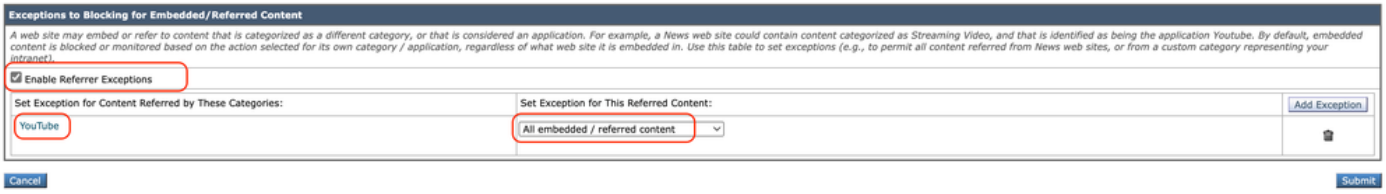
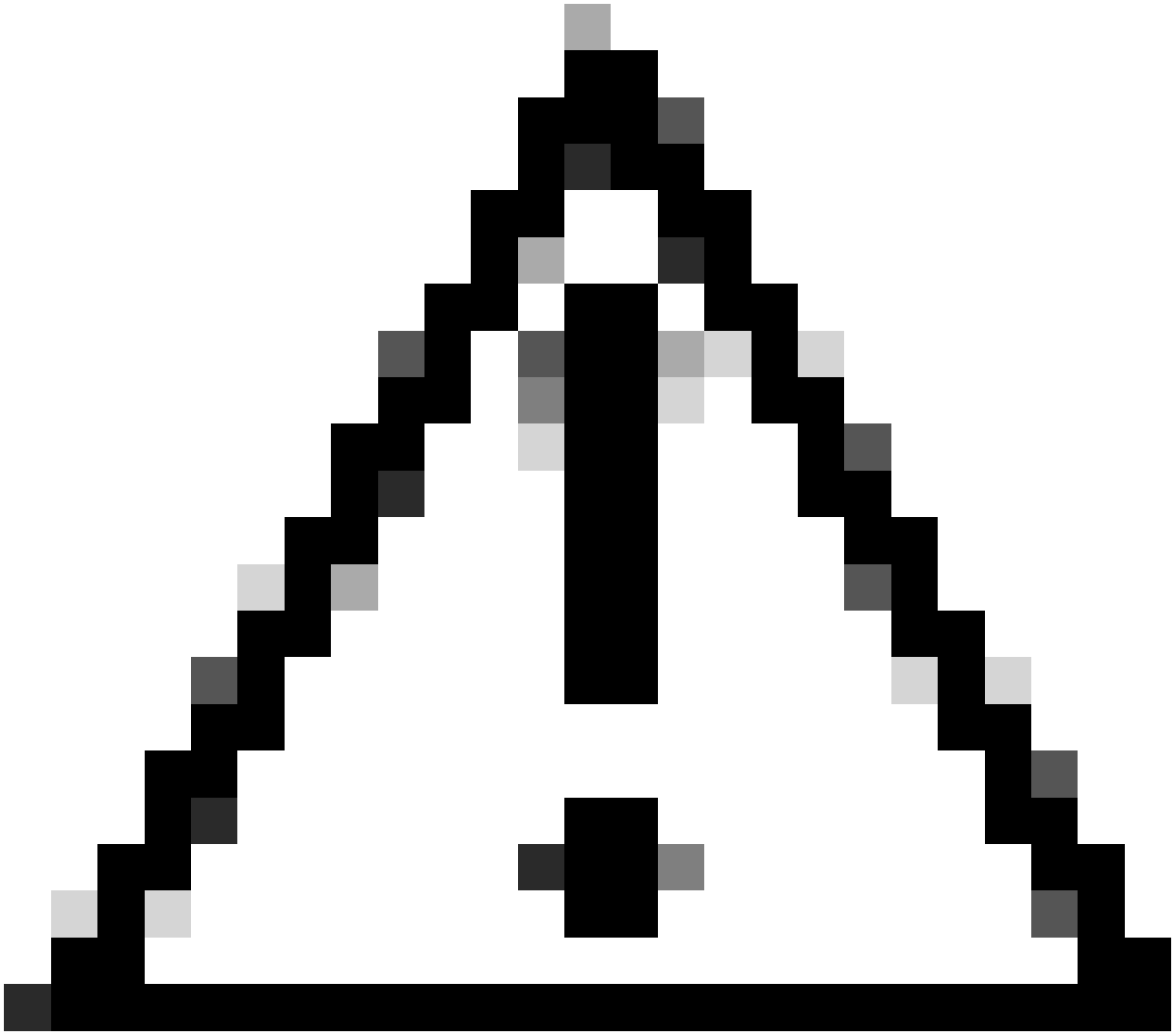


Image- Configure Embedded Content

Step 5.11. **Submit** and **Commit** changes.



Caution: If users first access the Channel, then they can navigate to all YouTube videos.

Related Information

- User Guide for AsyncOS 15.0 for Cisco Secure Web Appliance - GD(General Deployment) - Troubleshooting [Cisco Secure Web Appliance] - Cis**co**
- Cisco Technical Support & Downloads