

# How do you block access to YouTube through HTTPS?



Document ID: 118419

Contributed by Cisco TAC Engineers.

Oct 13, 2014

## Contents

**Question**  
**Environment**  
**Symptoms**  
**Solution**

## Question

How do you block access to YouTube through HTTPS?

## Environment

AsyncOS 6.x and later

## Symptoms

I would like to block access to YouTube through HTTPS.

## Solution

Explicit (Forward) Mode

Note: First, make sure HTTPS Proxy is successfully enabled.

1. Navigate to Web Security Manager > Custom URL Categories.
  - ◆ Create a new Custom URL Category.
  - ◆ Name it "Block YouTube Cat" and enter the following (both): .youtube.com, youtube.com.
2. Submit the changes.
3. Navigate to Web Security Manager > Identities.
  - ◆ Create a new Identity.
  - ◆ Name it "Block YouTube ID" and set this identity to be in order one.
  - ◆ Define members by subnet or specific IP addresses if needed.
  - ◆ Set to "No Authentication Required".
  - ◆ At the bottom, click "Advanced", and click "URL Categories".
  - ◆ Once you see the options, select "Block YouTube Cat".

- ◆ Click Done.
- ◆ Submit the changes.

4. Navigate to Web Security Manager > Decryption Policies.

- ◆ Create a new Decryption Policy.
- ◆ Name it "YouTube Decryption Policy".
- ◆ Go to the "Identities and Users:" drop-down box.
- ◆ Choose "Select One or More Identities".
- ◆ Select the Identity named "Block YouTube ID".
- ◆ Submit the changes.

5. Navigate to Web Security Manager > Decryption Policies.

- ◆ Beside the newly created YouTube Decryption Policy is a column named "URL Filtering" ("URL Categories" if before AsyncOS 7.x). Click the link under this column (it may say "global policy").
- ◆ At the top, you will need to "Select/Add" Custom Category.
- ◆ Select the "Block YouTube Cat" Custom URL Category and set it to "Decrypt".
- ◆ Submit the changes.

6. Navigate to Web Security Manager > Access Policies.

- ◆ Create a new Access Policy.
- ◆ Name it "YouTube Access Policy".
- ◆ Go to the "Identities and Users:" drop-down box.
- ◆ Choose "Select One or More Identities".
- ◆ Select the Identity named "Block YouTube ID".
- ◆ Submit the changes.

7. Navigate to Web Security Manager > Access Policies.

- ◆ Beside the newly created "YouTube Access Policy" is a column named "URL Filtering" ("URL Categories" if before AsyncOS 7.x). Click the link under this column (it may say "global policy").
- ◆ At the top, you will need to "Select/Add" Custom Category.
- ◆ Select the "Block YouTube Cat" Custom URL Category and set it to "Block".
- ◆ Submit and Commit changes.

## Transparent Mode (WCCP)

Note: First, make sure HTTPS Proxy is successfully enabled.

1. Navigate to Web Security Manager > Custom URL Categories.

- ◆ Create a new Custom URL Category.
- ◆ Name it "Block YouTube Cat" and enter the following (both): .youtube.com, youtube.com.
- ◆ Submit the Changes.

2. Navigate to Web Security Manager > Identities.

- ◆ Create a new Identity.
- ◆ Name it "Block YouTube ID" and set this identity to be in order one.
- ◆ Define members by subnet or IP address if needed.
- ◆ Set to "No Authentication Required".

- ◆ At the bottom, click on "Advanced", and click on "URL Categories".
- ◆ **IMPORTANT STEP:** Once you see the categories, select the Custom URL Category "Block YouTube Cat". Also, select the Predefined Category "Search Engines and Portals".
- ◆ Click Done.
- ◆ Submit the Changes.

3. Navigate to Web Security Manager > Decryption Policies.

- ◆ Create a new Decryption Policy.
- ◆ Name it YouTube Decryption Policy.
- ◆ Go to the "Identities and Users:" drop-down box.
- ◆ Choose "Select One or More Identities".
- ◆ Select the Identity named "Block YouTube ID".
- ◆ Submit the changes.

4. Navigate to Web Security Manager > Decryption Policies.

- ◆ Beside the newly created "YouTube Decryption Policy" is a column named "URL Filtering" ("URL Categories" if before AsyncOS 7.x). Click the link under this column (it may say "global policy").
- ◆ **IMPORTANT STEP:** Scroll down to the Predefined Category named "Search Engines and Portals".
- ◆ Set this to "Decrypt".
- ◆ Submit the changes.

5. Navigate to Web Security Manager > Access Policies.

- ◆ Create a new Access Policy.
- ◆ Name it "YouTube Access Policy".
- ◆ Go to the "Identities and Users:" drop-down box.
- ◆ Choose "Select One or More Identities".
- ◆ Select the Identity named "Block YouTube ID".
- ◆ Submit the changes.

6. Navigate to Web Security Manager > Access Policies.

- ◆ Beside the newly created "YouTube Access Policy" is a column named "URL Filtering" ("URL Categories" if before AsyncOS 7.x). Click the link under this column (it may say "global policy").
- ◆ At the top, you will need to "Select/Add" Custom Category.
- ◆ Select the "Block YouTube Cat" Custom URL Category and set it to "Block".
- ◆ Submit and Commit changes.