Block Google Consumer Accounts Access in the SWA

Contents

Introduction

This document describes the process of blocking Google Workspace or Google Consumer Accounts access in Secure Web Appliance (SWA).

Prerequisites

Requirements

Cisco recommends knowledge of these topics:

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

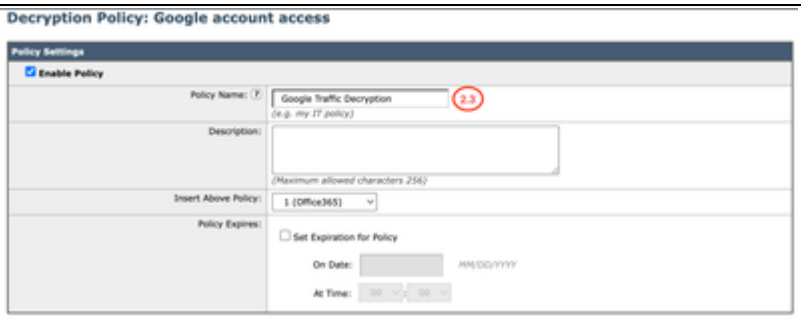
Components Used

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.

Configure

Step 1.Create a Custom URL Category for the Google sites.	Step 1.1. From the GUI, navigate to **Web Security Manager** and choose **Custom and External URL Categories**. Step 1.2. Click **Add Category** to create a new Custom URL Category. Step 1.3. Enter **Name** for the new category. Step 1.4. Define these URLs in the Sites section: `.google.com` Step 1.5**. Submit**the changes.  *Image - Custom URL Category* **Tip**: For more information about how to configure Custom URL Categories, kindly visit: Configure Custom URL Categories in Secure Web Appliance.
Step 2.Decrypt the traffic.	Step 2.1. From the GUI, navigate to**Web Security Manager** and choose**Decryption Policies**. Step 2.2. Click **Add Policy**. Step 2.3. Enter**Name** for the new policy.



Step 2.4. Select the**Identification Profile** that you need this policy to apply to.

Tip: If you bypassed the Authentications for Microsoft URLs and you are configuring this policy for All users, choose: **All Identification Profiles > All Users**.

Step 2.5. From**Policy Member Definition** section, click **URL Categories**links to add the Custom URL Category.

Step 2.6.Select the **URL Category** that was created inStep 1.

Step 2.7.Click**Submit**.

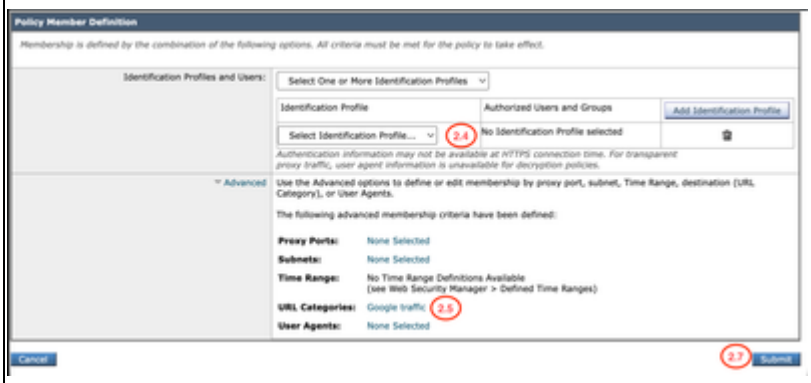


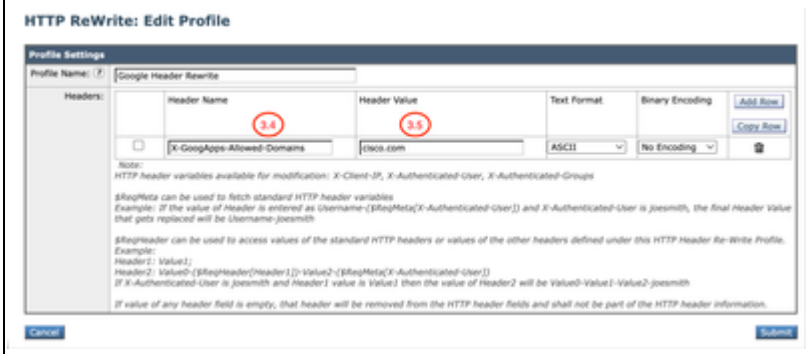
Image - Configure Decryption Policy

Step 2.8. In**Decryption Policies** page, click the link from**URL Filtering** for the new policy.

Image - Edit URL Filtering Action

Step 2.9. Choose**Decrypt** as the action for Custom URL Category.

Step 2.10.Click**Submit**.

	 *Image - Decrypt the Custom URL Category*
Step 3.Create HTTP Rewrite Profile.	Step 3.1.From the GUI, navigate to**Web Security Manager** and choose**HTTP ReWrite Profiles**. Step 3.2. Click**Add Profile**. Step 3.3. Enter**Name** for the new profile. Step 3.4. Use **X-GoogApps-Allowed-Domains**for the first**Header Name**. Step 3.5. For the**Restrict-Access-To-Tenants**setting, use a domain value of permitted tenant list, which must be a comma-separated list of the tenants that users are allowed to access. Step 3.9.Click**Submit**.  *Image - Add HTTP ReWrite Profile*

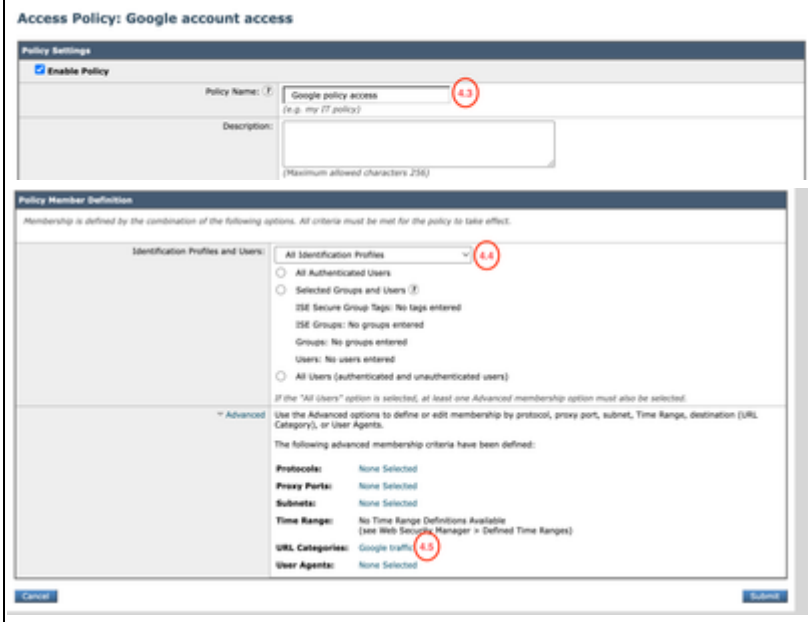
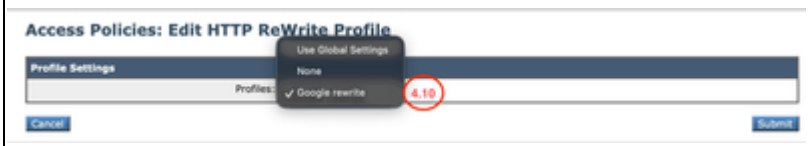
Step 4.Create Access Policy.	Step 4.1. From the GUI, navigate to**Web Security Manager** and choose**Access Policies**. Step 4.2. Click **Add Policy**. Step 4.3. Enter**Name** for the new policy. Step 4.4. (Optional) Select the**Identification Profile** that you need this policy to apply to. Step 4.5.From**Policy Member Definition** section, click **URL Categories**links to add the Custom URL Category. Step 4.6.Select the **URL Category** that was created in Step 1. Step 4.7. Click**Submit**.  *Image - Create Access Policy* Step 4.8.In**Access Policies** page, make sure the action of the **URL Filtering** is set to **Monitor**. Step 4.9.Click the link in **HTTP ReWrite Profile** to add the HTTP Header Profile to this policy.  *Image - Access Policy Properties* Step 4.10. Choose the **HTTP ReWrite Profiles**, created in Step [3]. 

	Image - Add HTTP ReWrite Profile Step 4.11. Click**Submit**. Step 4.12. **Commit**Changes.

Reporting and Logs

Logs

You can add custom fields to the access logs or the W3C logs to view the HTTP header rewrite profile name.

Format Specifier in Access Logs	Log Field in W3C Logs	Description
%]	**x-http-rewrite-profile-name**	HTTP header rewrite profile name.

You can generate Web Tracking report to view the reports of the traffic by the Access Policy name.

Use these steps to generate the reports:

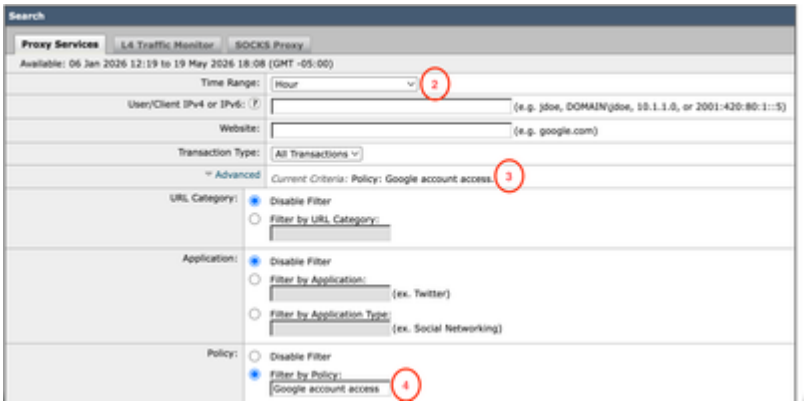
Step 1. From the GUI, select**Reporting** and choose**Web Tracking**.

Step 2. Choose your desired **Time Range.**

Step 3. Click the **Advanced** link to search transactions using advanced criteria.

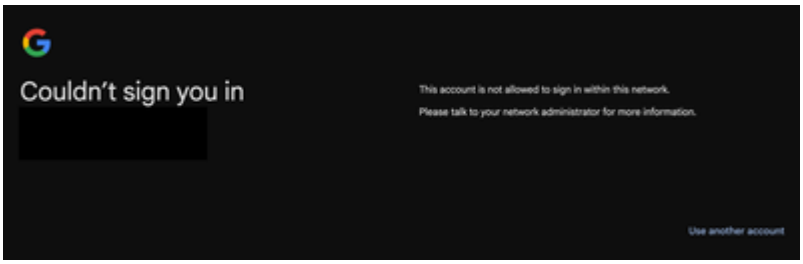
Step 4. In the **Policy** section, select **Filter by Policy** and type the name of the **Access Policy** that was created previously.

Step 5. Click **Search** to review the report.



Verify

When the Google domain restriction configuration is completed, the user is only able to access the accounts which are under the domain configured on the Header Rewrite profile on Step 3. If the use try accessing an account on a different domain, or, a different, personal, Google account, the access is restricted with this notice:



Related Information

Define Custom URL Categories in WSA

User Guide for AsyncOS 15.2 for Cisco Secure Web Appliance

Configure Decryption Certificate in Secure Web Appliance

WSA HTTP Header Rewrite

Block Access to Consumer Accounts (Google Documentation)