How to Configure Google Accounts Filtering in the Firewall

https://campus.barracuda.com/doc/46208893/

The F-Series Firewall can filter traffic to Google services based on the domain attached to the G Suite account. This allows you to block access to personal Google accounts and other non-whitelisted G Suite accounts, while still allowing your whitelisted G Suite domains. Google Accounts are enforced on a per-access-rule basis. Since Google requires HTTPS for almost all services, SSL Interception is required. Google Chrome uses the QUIC protocol by default to communicate with Google servers. To force Chrome to use the HTTPS fallback, you must block QUIC traffic.

In this article:

Before You Begin

- The **Feature Level** of the Forwarding Firewall must be **6.2** or higher.
- Enable Application Control. For more information, see How to Enable Application Control.
- Enable SSL Interception. For more information, see How to Configure SSL Interception in the Firewall.

Step 1. Add Your Domains to the Google Domain Whitelist

Google accounts using the domains in the whitelist will be exempted from filtering when a Google-account-enabled access rule matches.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > Assigned Services > Firewall > Security Policy**.
2. Click **Lock**.
3. In the **Google Personal Accounts** section, click **+** to add domains to the **Domain White List**.

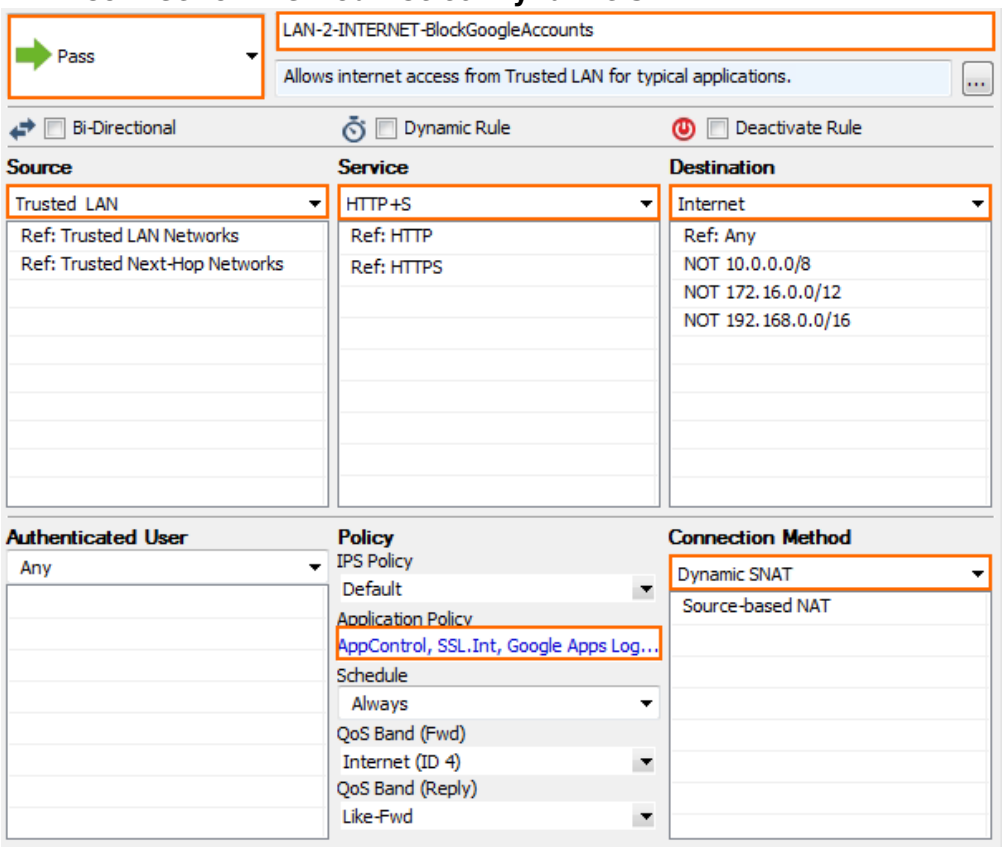
4. Click **Send Changes** and **Activate**.

Step 2. Create an Access Rule to Block Non-Whitelisted Google Accounts

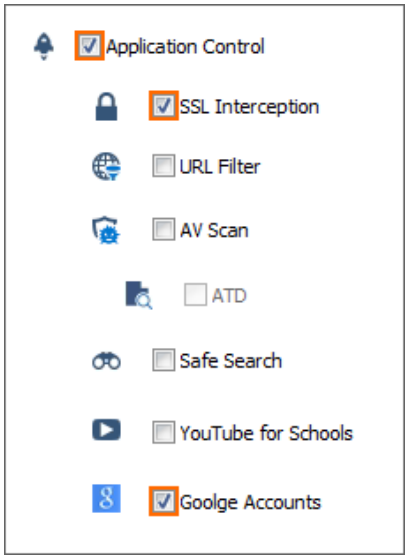
You can block Google Accounts not on the whitelist for all web traffic that matches an access rule by enabling **Google Accounts** in the Application Control settings of the access rule.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. Either click the plus icon (**+**) at the top right of the ruleset, or right-click the ruleset and select **New > Rule**.

4. Select **Pass** as the action.
5. Enter a **Name** for the rule.
6. Specify the following settings to match your web traffic:
   - **Source** – The source addresses of the traffic.
   - **Service** – Select **HTTP+S**.
   - **Destination** – Select **Internet**.
   - **Connection Method** – Select **Dynamic SNAT**.



7. Click on the **Application Policy** link and select**:**
   - **Application Control** – Required.
   - **SSL Interception** – Required, since Google services are available exclusively via HTTPS.
   - **Google Accounts** – Required.



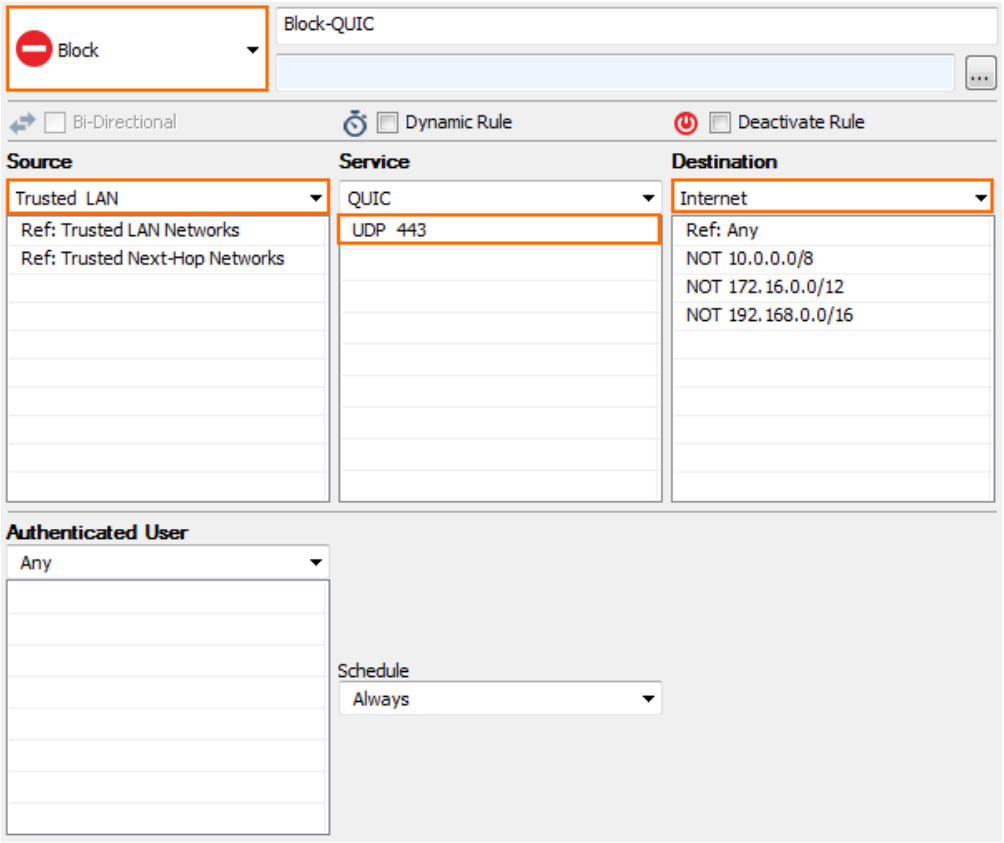
8. (optional) Set additional matching criteria:
   - **Authenticated User** – For more information, see User Objects.
   - **Schedule Object** – For more information, see Schedule Objects.
9. Click **OK**.
10. Place the access rule via drag-and-drop in the ruleset, so that no access rule above it matches this traffic.
11. Click **Send Changes** and **Activate**.

Step 3. Block QUIC for Google Chrome Browsers

To force Google Chrome browsers to use HTTPS instead of QUIC on UDP port 443, you must create a BLOCK access rule.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. Either click the plus icon (**+**) at the top right of the ruleset, or right-click the ruleset and select **New > Rule**.

4. Select **Block** as the action.
5. Enter a **Name** for the rule.
6. Specify the following settings to match your web traffic:
   - **Source** – The source addresses of the traffic. Use the same source as the access rule in step 2.
   - **Service** – Create and select the service object for UDP 443. For more information, see Service Objects.
   - **Destination** – Select **Internet**.



7. (optional) Set additional matching criteria:
   - **Authenticated User** – Use the same user object as in step 2.
   - **Schedule Object** – Use the same schedule object as in step 2.
8. Click **OK**.
9. Place the access rule via drag-and-drop before the rule created in step 2.
10. Click **Send Changes** and **Activate**.

Web traffic matching this rule can now only access Google accounts for domains that are included in the whitelist. When users access a non-whitelisted domain, they are automatically redirected to a Google block page.

This service is not available

Gmail is not available for [redacted]@gmail.com within this network. Gmail is only available for accounts in the following domains:

- [redacted]

Please talk to your network administrator for more information.

Did you use this product with a different Google Account? Sign out of your current Google Account and then sign in to the account you want.

Figures

1. Google_accounts_01.png
2. FW_Rule_Add01.png
3. Google_accounts_02.png
4. Google_accounts_03.png
5. FW_Rule_Add01.png
6. Google_accounts_05.png
7. Google_accounts_04.png