How to Configure Google Accounts Filtering in the Firewall

https://campus.barracuda.com/doc/48660874/

The X-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 Inspection 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.

Before you begin

- Enable SSL Inspection. For more information, see How to Configure SSL Inspection.

Step 1. Add your domains to the Google domain whitelist

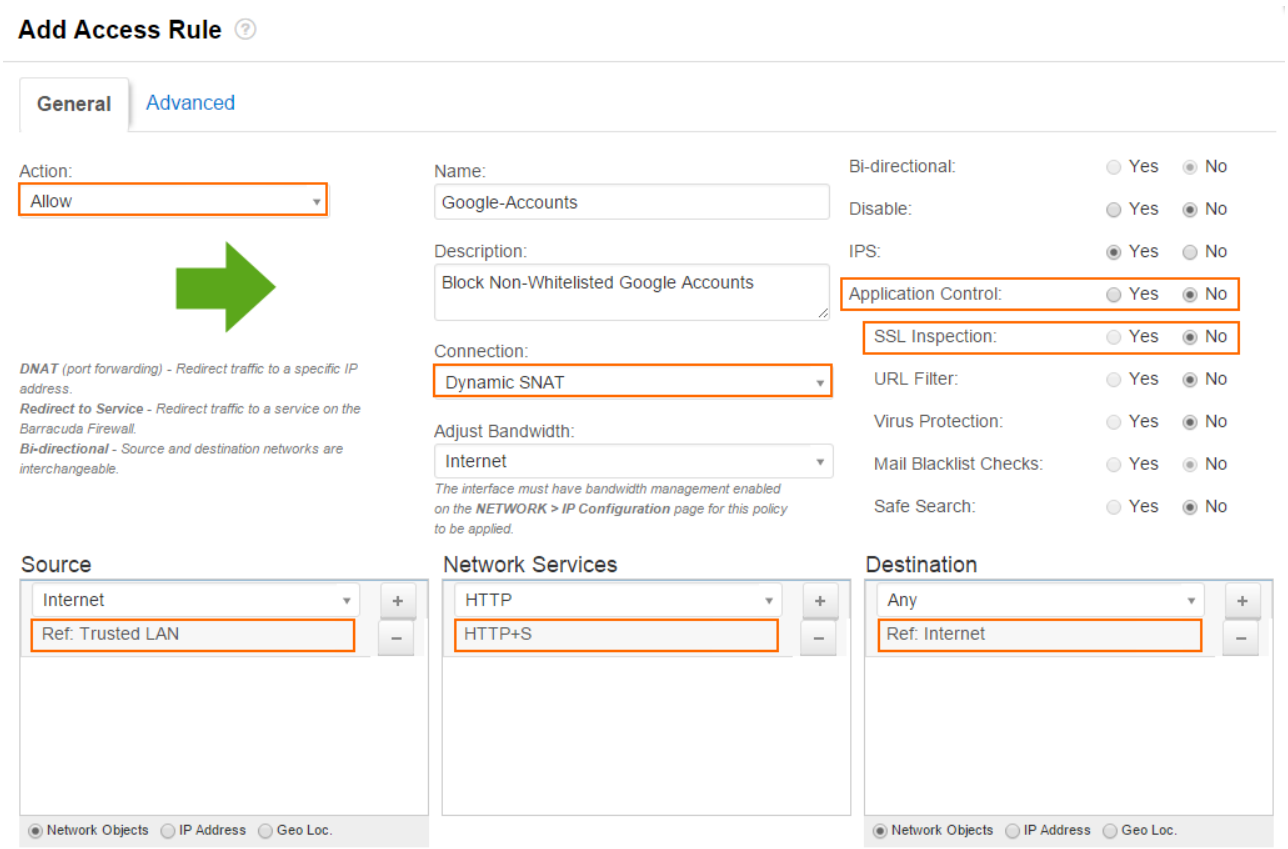
Google accounts using the domains in the whitelist will be exempted from filtering when a Google account-enabled access rule matches.

1. Go to **FIREWALL > Settings.**
2. Make sure that **Application Control** is enabled.
3. In the **Google Accounts** section, add domains to the **Domain White List**. Click **+** after each entry.
4. Click **Save**.

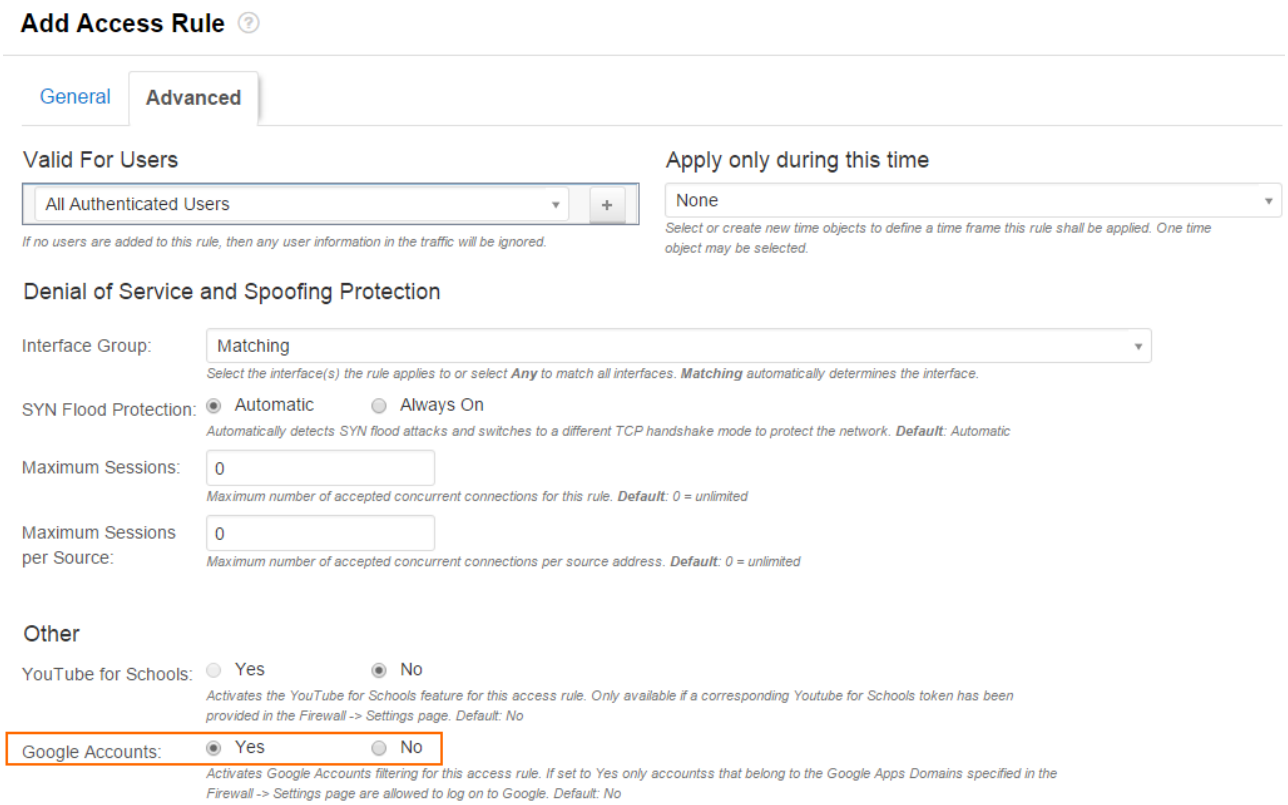
Step 2. Create an access rule to block non-whitelisted Google accounts

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

1. Go to **FIREWALL > Firewall Rules**.
2. Create an access rule with the following settings:
   - **Action** – Select **Allow**.
   - **Connection** – Select **Dynamic SNAT**.
   - **Source** – Select the source addresses of the traffic.
   - **Network Services** – Select **HTTP+S**.
   - **Destination** – Select **Internet**.
3. Enable **Application Control** and **SSL Inspection**.



4. In the **Add/Edit Access Rule** window, click the **Advanced** tab.
5. (optional) Set additional matching criteria:
   - **Valid for Users** – For more information, see User Objects.
   - **Apply only during this time** – For more information, see Schedule Objects.
6. In the **Other** section, set **Google Accounts** to **Yes**.

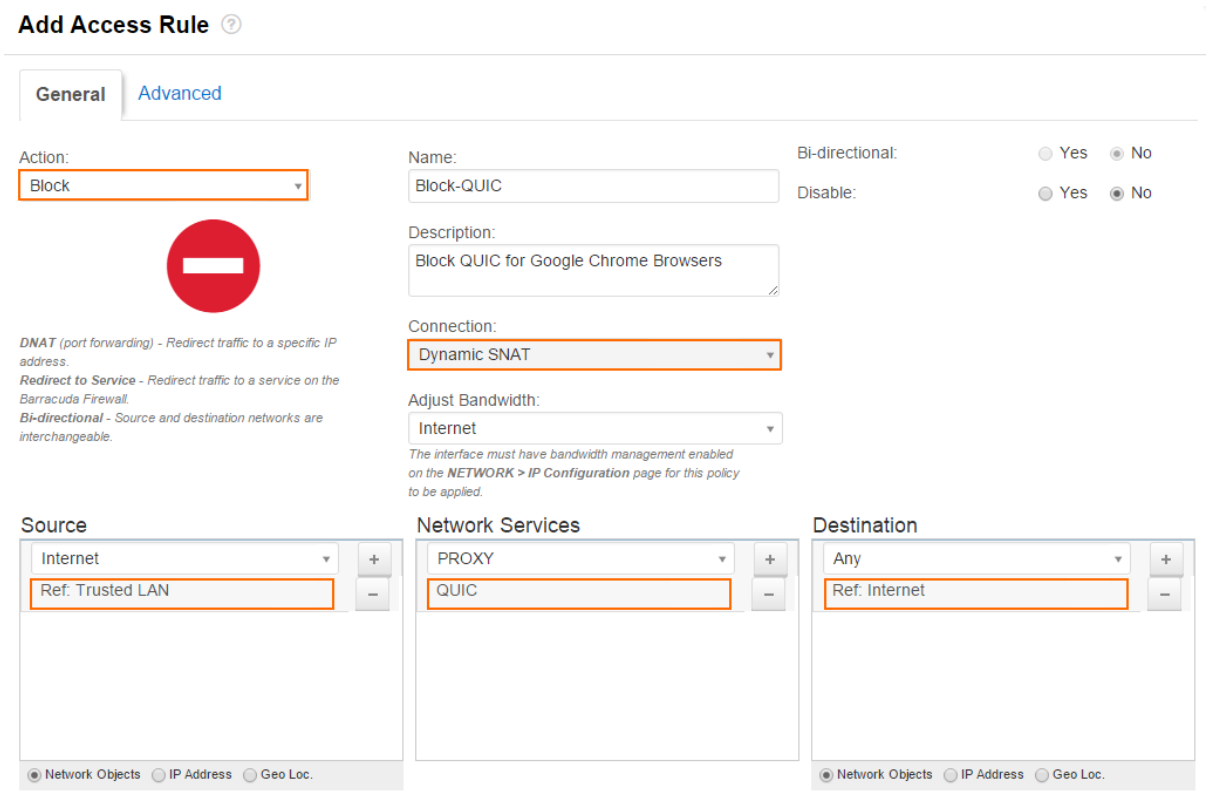


7. Click **Save**.
8. Drag and drop the access rule in the ruleset, so that no access rule above it matches this traffic.

Step 3. Block QUIC for Google Chrome browsers

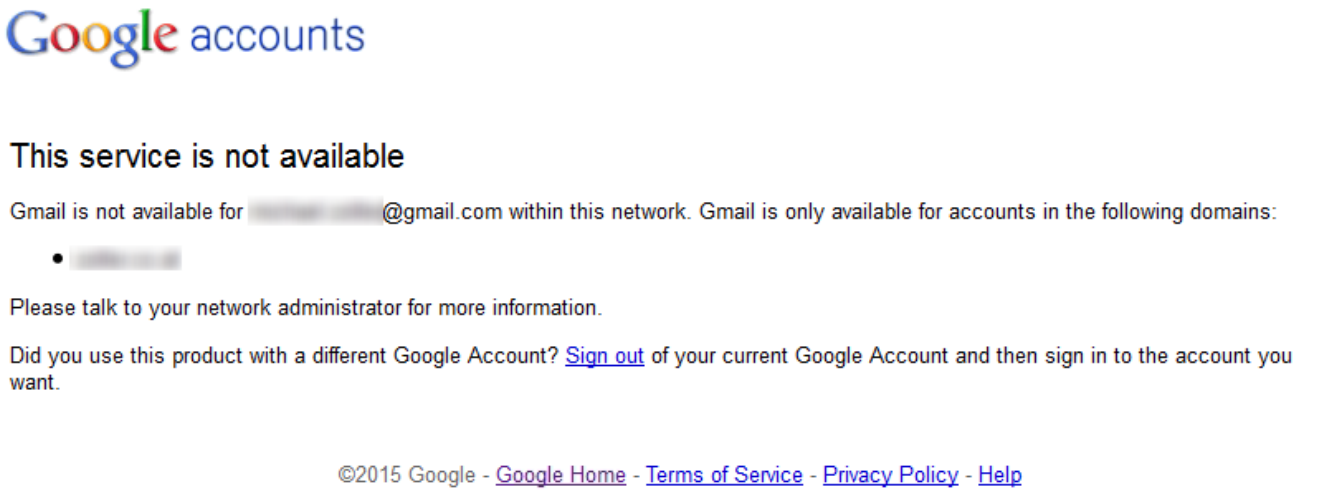
To force Google Chrome browsers to use HTTPS instead of QUIC on UDP port 443, you must create a BLOCK access rule.

1. Go to **FIREWALL > Firewall Rules**.
2. Create an access rule with the following settings:
   - **Action** – Select **Block**.
   - **Connection** – Select **Dynamic SNAT**.
   - **Source** – Add the source addresses of the traffic. Use the same source as the access rule in step 2.
   - **Network Services** – Create and select the service object for UDP 443. For more information, see Service Objects.
   - **Destination** – Select **Internet**.
3. (optional) Set additional matching criteria:
   - **Valid for Users** – Use the same user object as in step 2.
   - **Apply only during this time** – Use the same schedule object as in step 2.



4. Click **Save**.
5. Drag and drop the access rule above the rule created in step 2.

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.



Figures

1. google_accounts68_02.png
2. google_accounts68_03.png
3. google_accounts68_04.png
4. google_accounts68_05.png