

How to Enforce YouTube for Schools in the Firewall

<https://campus.barracuda.com/doc/46209071/>

Google will turn down **YouTube for Schools** July 1, 2016 and is offering current YouTube for Schools users and all G Suite users a new way restrict YouTube content, per this [Google article](#).

If you already have a YouTube for Schools token, you can continue using YouTube for Schools with the Barracuda NextGen Firewall until July 1, 2016. Google has stopped issuing YouTube for Schools tokens.

The Barracuda NextGen Firewall F-Series can transparently add YouTube for Schools restrictions for all connections that the firewall forwards to YouTube without the need to configure the clients. Enable YouTube for Schools for access rules matching HTTP and HTTPS traffic connecting to YouTube.

Limitations

- YouTube for Schools relies on YouTube to honor and filter the search results. The firewall can enable this feature, but the execution is left up to YouTube.
- YouTube for Schools is not enforced for mobile YouTube apps.

In this article

Before You Begin

- Create a YouTube for Schools account. For more information, see [Signing up and Getting started with YouTube for Schools](#).
- The **Feature Level** of the Forwarding Firewall must **6.1** or higher.

Step 1. Enter the YouTube For Schools Token

The YouTube for Schools token is a unique ID identifying your YouTube for Schools account.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Security Policy**.
2. Click **Lock**.
3. In the **Safe Browsing Configuration** section enter the **YouTube for Schools Token**.


Safe Browsing Configuration

YouTube for Schools Token

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

Step 2. Create an Access Rule to Enforce YouTube for Schools

You can enforce the usage of YouTube for Schools for all web traffic that matches an access rule by enabling the YouTube for Schools settings in the Application Control 2.0 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. For example, YTFS-LAN-2-INTERNET
6. Specify the following settings to match your web traffic:
 - **Source** - The source addresses of the traffic.
 - **Destination** - Select **Internet**.
 - **Service** - Select **HTTP+S**.
 - **Connection Method** - Select **Dynamic SNAT**.

Pass
 YTFS-LAN-2-INTERNET

Bi-Directional Dynamic Rule Deactivate Rule

Source	Service	Destination
Trusted LAN	HTTP+S	Internet
Ref: Trusted LAN Networks Ref: Trusted Next-Hop Networks	Ref: HTTP Ref: HTTPS	Ref: Any NOT 10.0.0.0/8 NOT 172.16.0.0/12 NOT 192.168.0.0/16

Authenticated User	Policy	Connection Method
Any	IPS Policy: Default Application Policy: AppControl, SSL.Int, YouTube f. schools Schedule: Always QoS Band (Fwd): VOIP (ID 2) QoS Band (Reply): Like-Fwd	Dynamic SNAT

- Click on the **Application Policy** link and select:
 - Application Control** – required.
 - SSL Interception** – Required for search providers that are available exclusively via HTTPS.
 - YouTube for Schools** – required.

- Application Control
- SSL Interception
- URL Filter
- AV Scan
- ATD
- Safe Search
- YouTube for Schools

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

Only YouTube videos that have been added to your YouTube for Schools channel can now be accessed via this access rule.

Figures

1. YTFS01.png
2. FW_Rule_Add01.png
3. YTFS02.png
4. YTFS03.png

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