

## How to Enforce YouTube for Schools in the Firewall

<https://campus.barracuda.com/doc/45024304/>

YouTube for Schools will be discontinued as of July 1, 2016. Google 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 X-Series can transparently add YouTube for Schools restrictions for all connections that the X-Series 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 X-Series Firewall can enable this feature, but the execution is left up to YouTube.
- YouTube for Schools is not enforced for mobile YouTube apps.

### Before You Begin

Create a YouTube for Schools account. For more information, see [Signing Up and Getting Started with YouTube for Schools](#)

### Step 1. Enter the YouTube for Schools Token

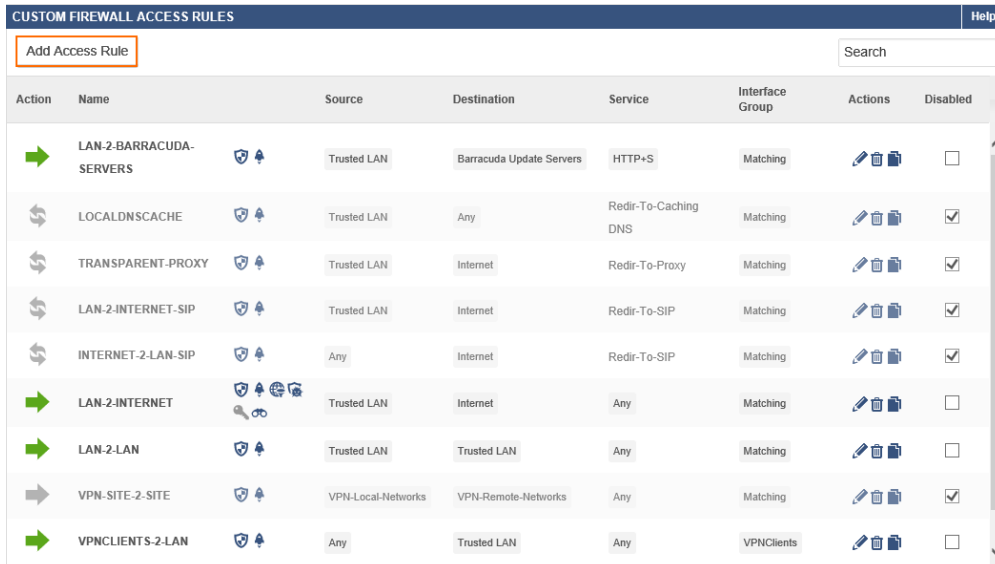
The YouTube for Schools token is a unique ID identifying your YouTube for Schools account.

1. Go to **Firewall > Settings**.
2. Enter your YouTube for Schools token.

SAFE BROWSING CONFIGURATION		Help
YouTube for Schools Token:	<input type="text" value="XXXXXXXXXXXXXXXXXX"/>	
<small>An alphanumeric, unique ID for your school network provided by YouTube when you sign up for YouTube for Schools at: <a href="https://youtube.com/schools">youtube.com/schools</a>. Enable the YouTube for Schools feature for every affected subnet or user group on the Firewall -&gt; Firewall Rules -&gt; Edit Access Rule -&gt; Advanced page.</small>		

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

1. Go to **FIREWALL > Firewall Rules**.
2. Click **Add Access Rule**.




Action	Name	Source	Destination	Service	Interface Group	Actions	Disabled
→	LAN-2-BARRACUDA-SERVERS	Trusted LAN	Barracuda Update Servers	HTTP+S	Matching		<input type="checkbox"/>
↻	LOCALDNSCACHE	Trusted LAN	Any	Redir-To-Caching DNS	Matching		<input checked="" type="checkbox"/>
↻	TRANSPARENT-PROXY	Trusted LAN	Internet	Redir-To-Proxy	Matching		<input checked="" type="checkbox"/>
↻	LAN-2-INTERNET-SIP	Trusted LAN	Internet	Redir-To-SIP	Matching		<input checked="" type="checkbox"/>
↻	INTERNET-2-LAN-SIP	Any	Internet	Redir-To-SIP	Matching		<input checked="" type="checkbox"/>
→	LAN-2-INTERNET	Trusted LAN	Internet	Any	Matching		<input type="checkbox"/>
→	LAN-2-LAN	Trusted LAN	Trusted LAN	Any	Matching		<input type="checkbox"/>
→	VPN-SITE-2-SITE	VPN-Local-Networks	VPN-Remote-Networks	Any	Matching		<input checked="" type="checkbox"/>
→	VPNCLIENTS-2-LAN	Any	Trusted LAN	Any	VPNclients		<input type="checkbox"/>

3. Create a **PASS** access rule with the following settings:
  - **Name** – Enter **Name** for the access rule. For example, LAN-2-YOUTUBEFORSCHOOLS
  - **Source** – Select a network object containing the subnets for which YouTube for Schools must be enforced and click **+**.
  - **Network Services** – Select to **HTTP+S** and click **+**.
  - **Destination** – Select **Internet** and click **+**.
  - **Connection** – Select **Default (SNAT)**.
4. Set **Application Control** to **Yes**.
5. Set **SSL Inspection** to **Yes**.

**General** **Advanced**

Action:



*DNAT (port forwarding) - Redirect traffic to a specific IP address.  
Redirect to Service - Redirect traffic to a service on the Barracuda Firewall.  
Bi-directional - Source and destination networks are interchangeable.*

Name:

Bi-directional:  Yes  No

Description:

Disable:  Yes  No

Connection:

Adjust Bandwidth:

IPS:  Yes  No

Application Control:  Yes  No

URL Filter:  Yes  No

Safe Search:  Yes  No

Virus Protection:  Yes  No

SSL Inspection:  Yes  No

*The interface must have bandwidth management enabled on the NETWORK > IP Configuration page for this policy to be applied.*

*URL Filter, Virus Protection and SSL Inspection depend on Application Control enabled. URL Filter and Virus Protection require a valid Web Security subscription.*

Source	Network Services	Destination
<input type="text" value="Internet"/>	<input type="text" value="FTP"/>	<input type="text" value="Any"/>
<input type="text" value="Ref: Trusted LAN"/>	<input type="text" value="HTTP+S"/>	<input type="text" value="Ref: Internet"/>

Network Objects  IP Address  Geo Loc.

- Click the **Advanced** tab.
- Set **YouTube for Schools** to **Yes**.

Valid For Users:

Apply only during this time:

*If no users are added to this rule, then any user information in the traffic will be ignored.*

*Select or create new time objects to define a time frame this rule shall be applied. One time object may be selected.*

**Denial of Service and Spoofing Protection**

Interface Group:

*Select the interface(s) the rule applies to or select Any to match all interfaces. Matching automatically determines the interface.*

SYN Flood Protection:  Automatic  Always On

*Automatically detects SYN flood attacks and switches to a different TCP handshake mode to protect the network. Default: Automatic*

Maximum Sessions:

*Maximum number of accepted concurrent connections for this rule. Default: 0 = unlimited*

Maximum Sessions per Source:

*Maximum number of accepted concurrent connections per source address. Default: 0 = unlimited*

**Other**

YouTube for Schools:  Yes  No

*Activates the YouTube for Schools feature for this access rule. Only available if a corresponding Youtube for Schools token has been provided in the Firewall -> Settings page. Default: No*

- Click **Save**.

### Step 3. Verify the Order of the Access Rule

New rules are created at the bottom of the firewall ruleset. Rules are processed from top to bottom in the ruleset. Drag your access rule to a slot in the rule list, so that no access rules before it matches this traffic. Verify that your rules are placed above the BLOCKALL rule. Otherwise, the rule never

matches.

After adjusting the order of rules in the ruleset, click **Save**.

#### Step 4. Verify that YouTube for Schools is Working

1. Open your browser and go to [www.youtube.com](https://www.youtube.com).
2. Verify that the parameter **edufilter** followed by your YouTube for Schools token is appended to the URL.



## Figures

1. YouTube\_01.png
2. YouTube\_02.png
3. YouTube\_03.png
4. YouTube\_05.png
5. YouTube\_06.png

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