

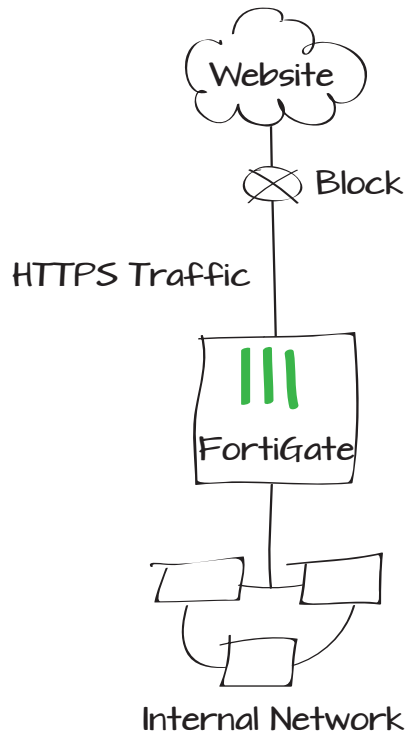
Blocking HTTPS traffic with web filtering

Some websites are accessible using HTTPS protocol, such as Youtube. This example shows how to use web filtering to block HTTPS access.



This example requires an active license for FortiGuard Web Filtering Services.

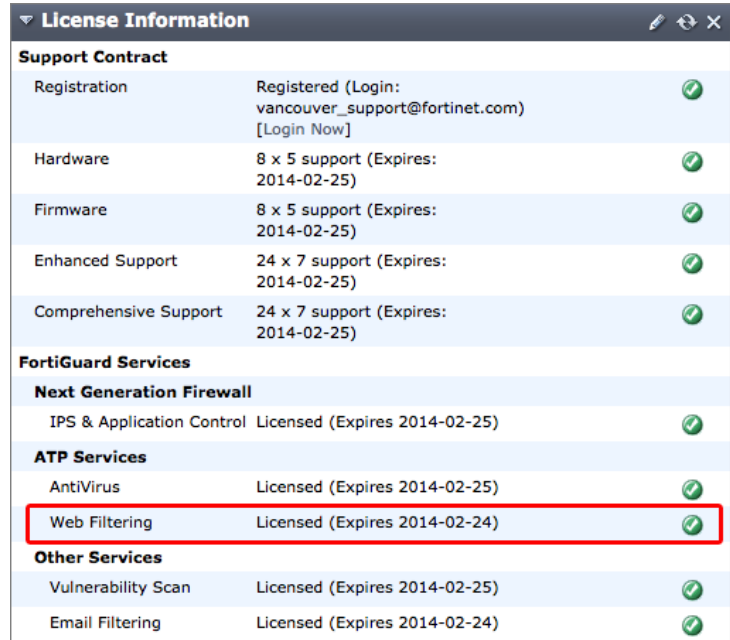
1. Verifying FortiGuard services are enabled
2. Creating a web filter profile
3. Creating an SSL inspection profile
4. Adding the profiles to a security policy
5. Results



Verifying FortiGuard Services are enabled

Go to **System > Dashboard > Status**.

In the **License Information** widget, verify that you have an active subscription to FortiGuard Web Filtering. If you have a subscription, the service will have a green checkmark beside it.



The screenshot shows the 'License Information' widget with the following data:

Support Contract		
Registration	Registered (Login: vancouver_support@fortinet.com) [Login Now]	✓
Hardware	8 x 5 support (Expires: 2014-02-25)	✓
Firmware	8 x 5 support (Expires: 2014-02-25)	✓
Enhanced Support	24 x 7 support (Expires: 2014-02-25)	✓
Comprehensive Support	24 x 7 support (Expires: 2014-02-25)	✓
FortiGuard Services		
Next Generation Firewall		
IPS & Application Control	Licensed (Expires 2014-02-25)	✓
ATP Services		
AntiVirus	Licensed (Expires 2014-02-25)	✓
Web Filtering	Licensed (Expires 2014-02-24)	✓
Other Services		
Vulnerability Scan	Licensed (Expires 2014-02-25)	✓
Email Filtering	Licensed (Expires 2014-02-24)	✓

Creating a web filter profile

Go to **Security Profiles > Web Filter > Profiles**. Select the plus icon in the upper right corner to create a new profile.

Enable **FortiGuard Categories** and expand the category **Bandwidth Consuming**. Right-click on **Streaming Media and Download**, the category to which Youtube belongs, and select **Block**.

Creating an SSL inspection profile

Go to **Policy > Policy > SSL Inspection**. Select the plus icon in the upper right corner to create a new profile.

Enable the inspection of the HTTPS Protocol.

Name: Block_https
Comments: Write a comment...
Inspection Mode: Proxy Flow-based DNS
 FortiGuard Categories

Show: All

- Potentially Liabile
- Adult/Mature Content
- Bandwidth Consuming
 - Freeware and Software Downloads
 - File Sharing and Storage
 - Streaming Media and Download
 - Peer-to-peer File Sharing
 - Internet Radio and TV
 - Internet Telephony
- Security Risk
- General Interest - Personal
- General Interest - Business

Name: block_https
Comments: Write a comment... 0/255

SSL Inspection Options

CA Certificate: Fortinet_CA_SSLProxy

Inspect All Ports:

Enable	Protocol	Inspection Port(s)
<input checked="" type="checkbox"/>	HTTPS	443
<input type="checkbox"/>	SMTPS	465
<input type="checkbox"/>	POP3S	995
<input type="checkbox"/>	IMAPS	993
<input type="checkbox"/>	FTPS	990

Adding the profiles to a security policy

Go to **Policy > Policy > Policy**.

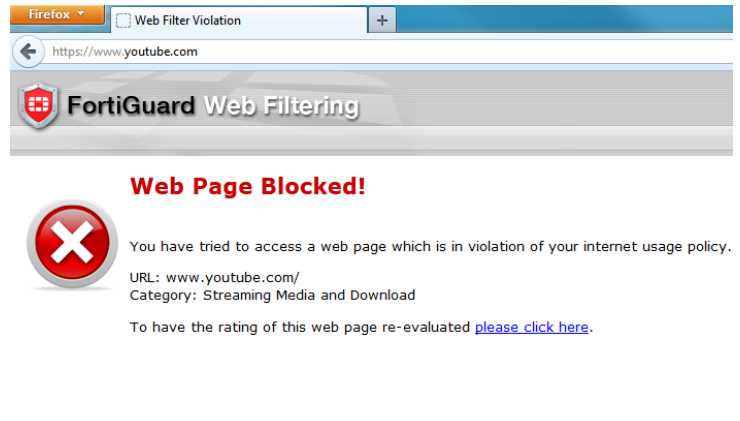
Edit the security policy controlling the traffic you wish to block. Under **Security Profiles**, enable **Web Filter** and **SSL Inspection** and set both to use the new profiles.

Policy Type	<input checked="" type="radio"/> Firewall <input type="radio"/> VPN
Policy Subtype	<input checked="" type="radio"/> Address <input type="radio"/> User Identity <input type="radio"/> Device Identity
Incoming Interface	internal
Source Address	all
Outgoing Interface	wan1
Destination Address	all
Schedule	always
Service	ALL
Action	ACCEPT
<input checked="" type="checkbox"/> Enable NAT	
<input checked="" type="radio"/> Use Destination Interface Address	<input type="checkbox"/> Fixed Port
<input type="radio"/> Use Dynamic IP Pool	Click to add...
<input type="radio"/> Use Central NAT Table	
Logging Options	
<input type="radio"/> No Log	
<input type="radio"/> Log Security Events	
<input checked="" type="radio"/> Log all Sessions	
Security Profiles	
<input type="checkbox"/> AntiVirus	default
<input checked="" type="checkbox"/> Web Filter	Block_https
<input type="checkbox"/> Application Control	default
<input type="checkbox"/> IPS	default
<input type="checkbox"/> Email Filter	default
<input type="checkbox"/> DLP Sensor	default
<input type="checkbox"/> VoIP	default
<input type="checkbox"/> ICAP	default
Proxy Options	default
<input checked="" type="checkbox"/> SSL Inspection	Block_https

Results

Browse to <https://www.youtube.com>. A replacement message appears indicating that the website was blocked.

Blocked traffic can be monitored by going to **Security Profiles > Monitor > Web Monitor**.



Firefox Web Filter Violation
https://www.youtube.com

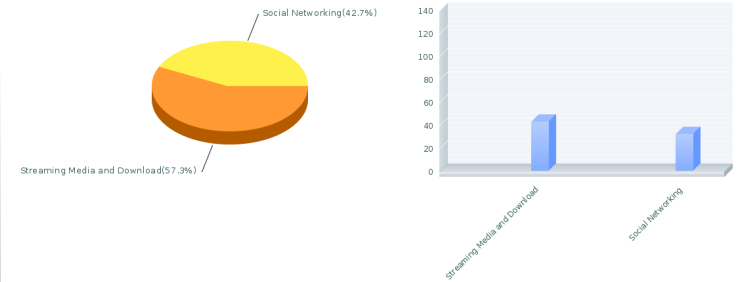
FortiGuard Web Filtering

Web Page Blocked!

You have tried to access a web page which is in violation of your internet usage policy.
URL: www.youtube.com/
Category: Streaming Media and Download
To have the rating of this web page re-evaluated [please click here](#).

Refresh Reset Report By: FortiGuard Webfilter Category
Web Monitor by FortiGuard Webfilter Category (Since 2012-11-10 15:08:14)

Top Blocked Categories (All Categories)



Category	Percentage
Streaming Media and Download	57.3%
Social Networking	42.7%