

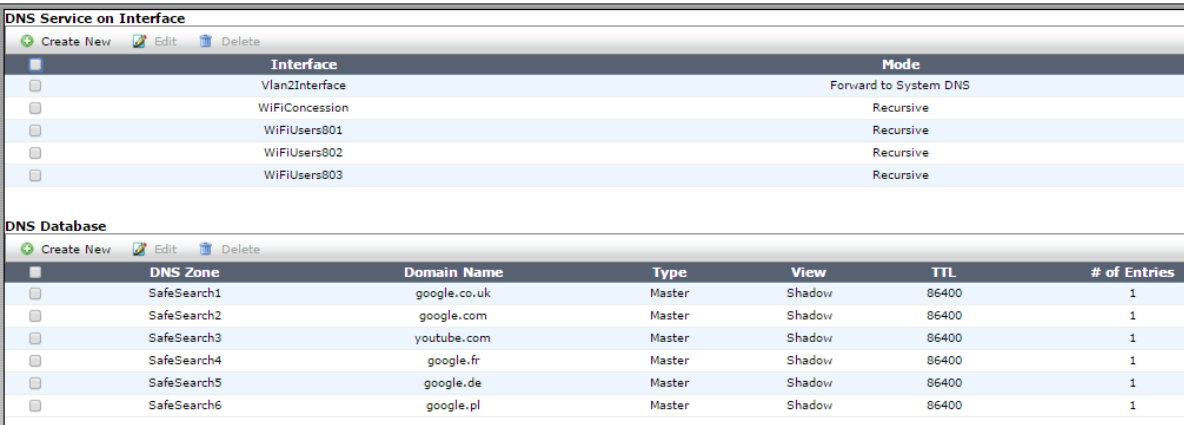
1. Safe Search enforcement

1.1 Google services

Safe Search is enforced on the all Public WiFi networks using a well known Google virtual IP address (216.239.398.120)

Only the following google domains are enforced at the time of writing:

www.google.co.uk
www.google.com
www.google.fr
www.google.de
www.google.pl
www.youtube.com



The screenshot shows two configuration screens. The top screen, 'DNS Service on Interface', lists interfaces and their DNS modes. The bottom screen, 'DNS Database', lists DNS zones with their domain names, types, views, TTLs, and the number of entries.

| Interface | Mode |
|----------------|-----------------------|
| Vlan2Interface | Forward to System DNS |
| WiFiConcession | Recursive |
| WiFiUsers801 | Recursive |
| WiFiUsers802 | Recursive |
| WiFiUsers803 | Recursive |

| DNS Zone | Domain Name | Type | View | TTL | # of Entries |
|-------------|--------------|--------|--------|-------|--------------|
| SafeSearch1 | google.co.uk | Master | Shadow | 86400 | 1 |
| SafeSearch2 | google.com | Master | Shadow | 86400 | 1 |
| SafeSearch3 | youtube.com | Master | Shadow | 86400 | 1 |
| SafeSearch4 | google.fr | Master | Shadow | 86400 | 1 |
| SafeSearch5 | google.de | Master | Shadow | 86400 | 1 |
| SafeSearch6 | google.pl | Master | Shadow | 86400 | 1 |

1.2 General (http) safe search

Safe search is enforced via transparent proxy for all HTTP traffic for the following search engines:

- Google
- Yahoo!
- Bing
- Yandex

This enforcement will only occur if traffic is transmitted via HTTP.

2. Web filtering ports inspected

| <i>Item</i> | <i>Value</i> |
|-------------|--------------|
|-------------|--------------|

| | |
|----------------------|--|
| HTTP port inspected | TCP/80 |
| HTTPS port inspected | TCP/443 – Certificate inspection only (no requirement for installed certificate or user certificate warning issues. No user data is decrypted). See below for screenshot of full SSL inspection configuration. |

Edit SSL/SSH Inspection Profile

Name:

Comments: 25/255

SSL Inspection Options

Enable SSL Inspection of: Multiple Clients Connecting to Multiple Servers Protecting SSL Server

CA Certificate:

Inspection Method: SSL Certificate Inspection Full SSL Inspection

Inspect All Ports

HTTPS:

SSH Inspection Options

SSH Deep Scan

Common Options

Allow Invalid SSL Certificates:

Log Invalid Certificates:

3. Web filtering policy

3.1 Concession WiFi configuration

Green Tick = Allowed category

Red Circle = Denied category

Edit Web Filter Profile ConcessionPublic-Wifi

Name:

Comments: 0/255

Inspection Mode: Proxy Flow-based DNS

FortiGuard Categories

Show:

- Local Categories
- Potentially Liabile
- Adult/Mature Content
- Bandwidth Consuming
- Security Risk
- General Interest - Personal
- General Interest - Business
- Unrated

Search Engines

Enable Safe Search

Static URL Filter

Enable URL Filter

Enable Web Content Filter

Rating Options

Allow Websites When a Rating Error Occurs

Rate URLs by Domain and IP Address

Local Categories

custom1

custom2

Potentially Liable

Child Abuse

Discrimination

Drug Abuse

Explicit Violence

Extremist Groups

Hacking

Illegal or Unethical

Plagiarism

Proxy Avoidance

Adult/Mature Content

Abortion

Advocacy Organizations

Alcohol

Alternative Beliefs

Dating

Gambling

Lingerie and Swimsuit

Marijuana

Nudity and Risque

Other Adult Materials

Pornography

Sex Education

Sports Hunting and War Games

Tobacco

Weapons (sales)



Bandwidth Consuming

- ✔ File Sharing and Storage
- ✔ Freeware and Software Downloads
- ✔ Internet Radio and TV
- ✔ Internet Telephony
- ✘ Peer-to-peer File Sharing
- ✔ Streaming Media and Download



Security Risk

- ✘ Malicious Websites
- ✘ Phishing
- ✘ Spam URLs



General Interest - Personal

- ✔ Advertising
- ✔ Arts and Culture
- ✔ Brokerage and Trading
- ✔ Child Education
- ✔ Content Servers
- ✔ Digital Postcards
- ✔ Domain Parking
- ✔ Dynamic Content
- ✔ Education
- ✔ Entertainment
- ✔ Folklore
- ✔ Games
- ✔ Global Religion
- ✔ Health and Wellness

- ✔ Instant Messaging
- ✔ Job Search
- ✔ Meaningless Content
- ✔ Medicine
- ✔ News and Media
- ✔ Newsgroups and Message Boards
- ✔ Personal Privacy
- ✔ Personal Vehicles
- ✔ Personal Websites and Blogs
- ✔ Political Organizations
- ✔ Real Estate
- ✔ Reference
- ✔ Restaurant and Dining
- ✔ Shopping and Auction
- ✔ Social Networking
- ✔ Society and Lifestyles

- ✔ Sports
- ✔ Travel
- ✔ Web Chat
- ✔ Web-based Email

- ✔ General Interest - Business
 - ✔ Armed Forces
 - ✔ Business
 - ✔ Finance and Banking
 - ✔ General Organizations
 - ✔ Government and Legal Organizations
 - ✔ Information Technology
 - ✔ Information and Computer Security
 - ✔ Search Engines and Portals
 - ✔ Secure Websites
 - ✔ Web Hosting
 - ✔ Web-based Applications

- ✔ Unrated
 - ✔ Unrated

There are no blocked configured in categories “General Interest – Personal, Business and Unrated.