

Cisco Umbrella to SafeDNS migration

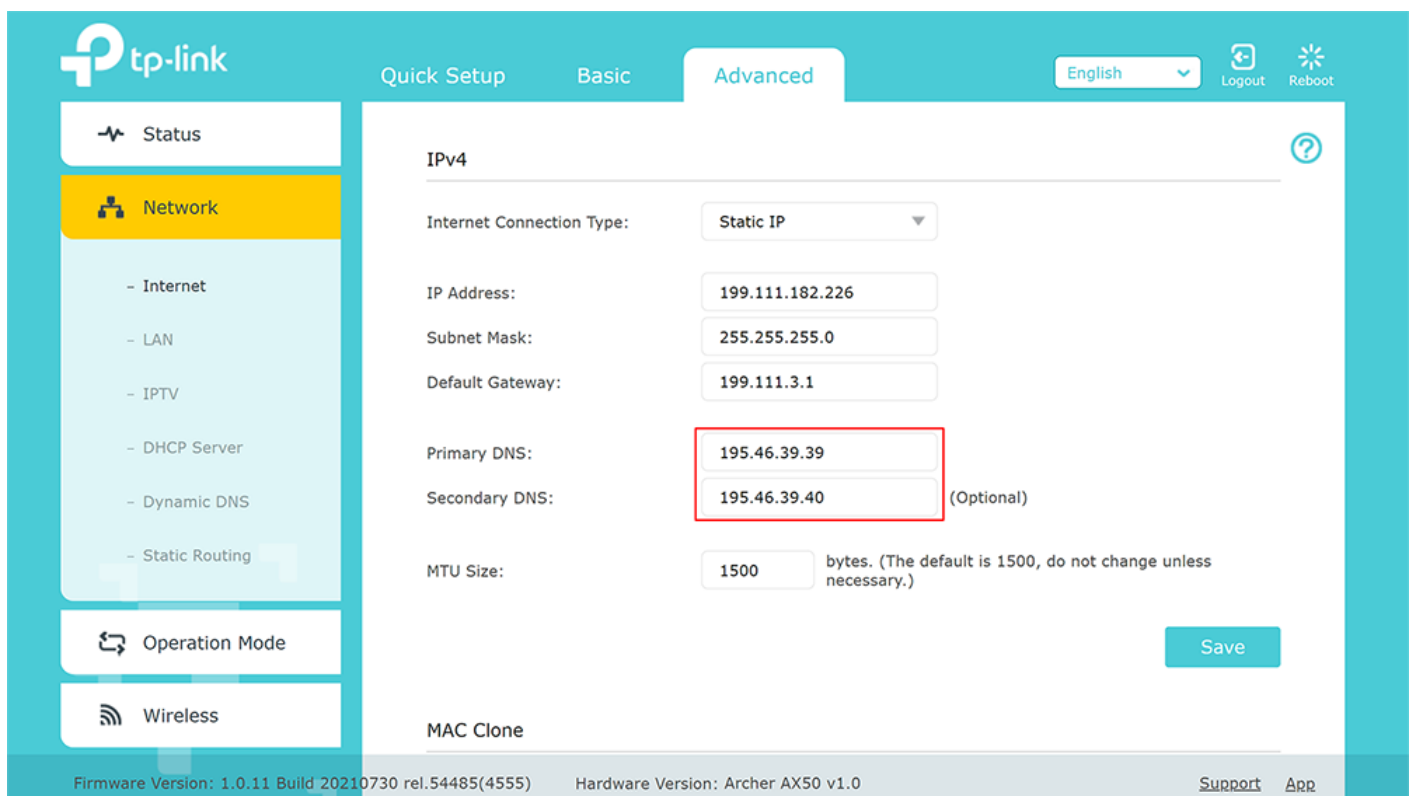
In this guide, we will tell you how to migrate from Cisco Umbrella to SafeDNS while keeping all settings and preferences.

The guide includes an example of router setup, filtering policy settings migration, and categories migration.

1. Set up the router

Change the DNS servers in your router to **195.46.39.39** and **195.46.39.40**.

Please note, that your router's interface might be different from the one in the picture.



The screenshot shows the TP-Link Archer AX50 v1.0 router web interface. The left sidebar contains navigation options: Status, Network (selected), Operation Mode, and Wireless. The Network section is expanded, showing sub-options: Internet, LAN, IPTV, DHCP Server, Dynamic DNS, and Static Routing. The main content area is titled 'IPv4' and shows the following settings:

- Internet Connection Type: Static IP
- IP Address: 199.111.182.226
- Subnet Mask: 255.255.255.0
- Default Gateway: 199.111.3.1
- Primary DNS: 195.46.39.39
- Secondary DNS: 195.46.39.40 (Optional)
- MTU Size: 1500 bytes. (The default is 1500, do not change unless necessary.)

A red box highlights the Primary and Secondary DNS fields. A 'Save' button is located at the bottom right of the settings area. The bottom status bar shows the Firmware Version: 1.0.11 Build 20210730 rel.54485(4555) and Hardware Version: Archer AX50 v1.0.

2. Add public IP address

Add the public IP address of your network to the [SafeDNS Dashboard > Settings > Devices](#). For your convenience, it is always shown at the top of the page, under "Your IP address". This setting is similar to the Cisco Umbrella's Networks section.

Cisco Umbrella

Overview
Deployments
Core Identities
Networks
Network Devices
Roaming Computers
Mobile Devices
Chromebook Users
Users and Groups
Configuration
Domain Management
Sites and Active Directory

Deployments / Core Identities
Cisco Networks

A network may be a single public IP address (static or dynamic) or a range to Umbrella to extend protection to any device that connects to the internet 100.150.200.250.

Search with a network name or IP address

Name ▲	IP Address	Dynar
Network	100.150.200.250	

SafeDNS

Just copy your public IP address, paste it into the IP address field, and click "Add".

Main
User administration
Settings
Devices
Policy
Schedule
Advanced
Categories
Allowlist
Denylist
Stats
New Stats (Beta)

Devices Policy Schedule Advanced

Video instruction for setting up

Your IP address
100.150.200.250

IPv4 DNS-servers addresses
195.46.39.39
195.46.39.40

IPv6 DNS-servers addresses
2001:67c:2778::3939
2001:67c:2778::3940

DoH address ⓘ
https://doh.safedns.com

IP addresses/DynDNS 0/13

Add IP address or DynDNS

100.150.200.250 Default Comment Add Edit as List

SafeDNS also supports Dynamic IP addresses, DynDNS hostnames, and IPv6.

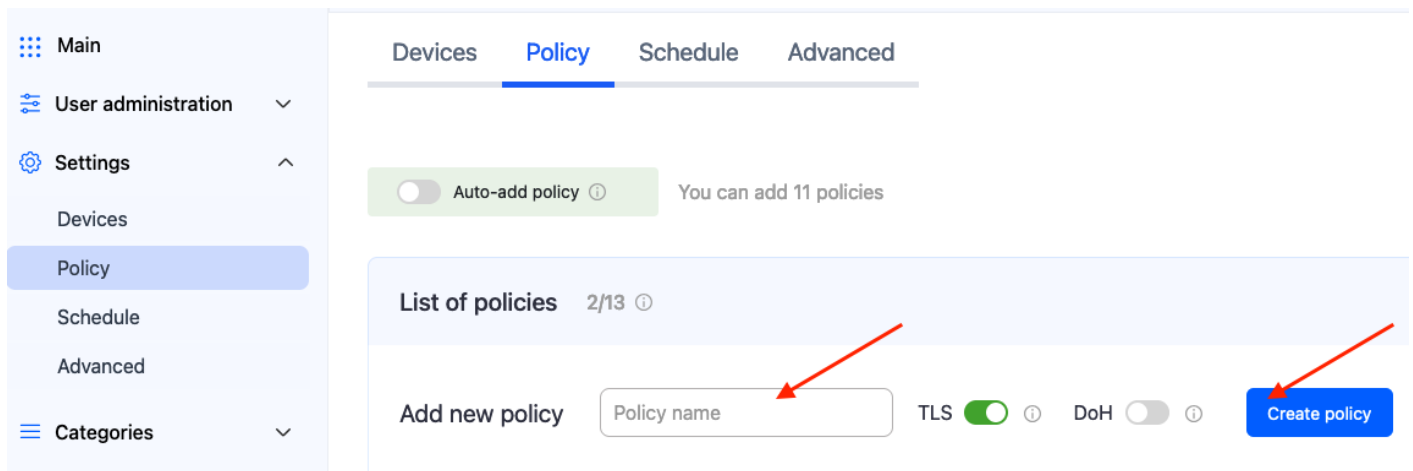
More information about router setup can be found here:

<https://docs.safedns.com/books/installation-guides/page/router-setup>

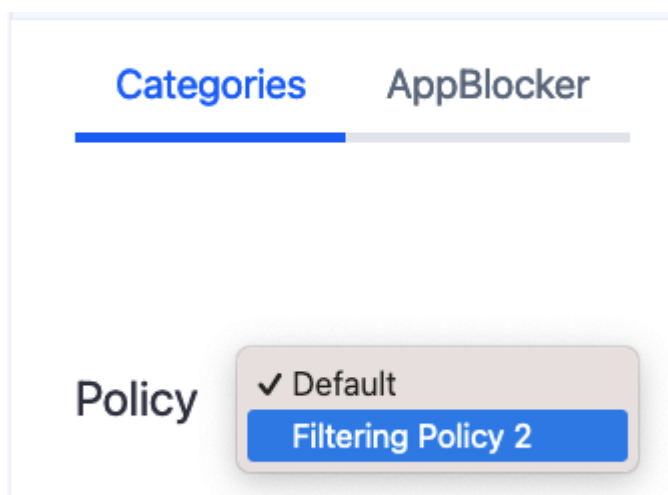
IPv6 router setup: <https://docs.safedns.com/books/installation-guides/page/router-setup-ipv6>

3. Create a custom filtering policy

If you need more than one filtering policy, you can always create a new one in the [SafeDNS Dashboard > Settings > Policy tab](#).



Each filtering policy has its settings for the [Advanced Settings](#), [filtering Categories](#), [AppBlocker](#), and [Allow/Denylists](#).

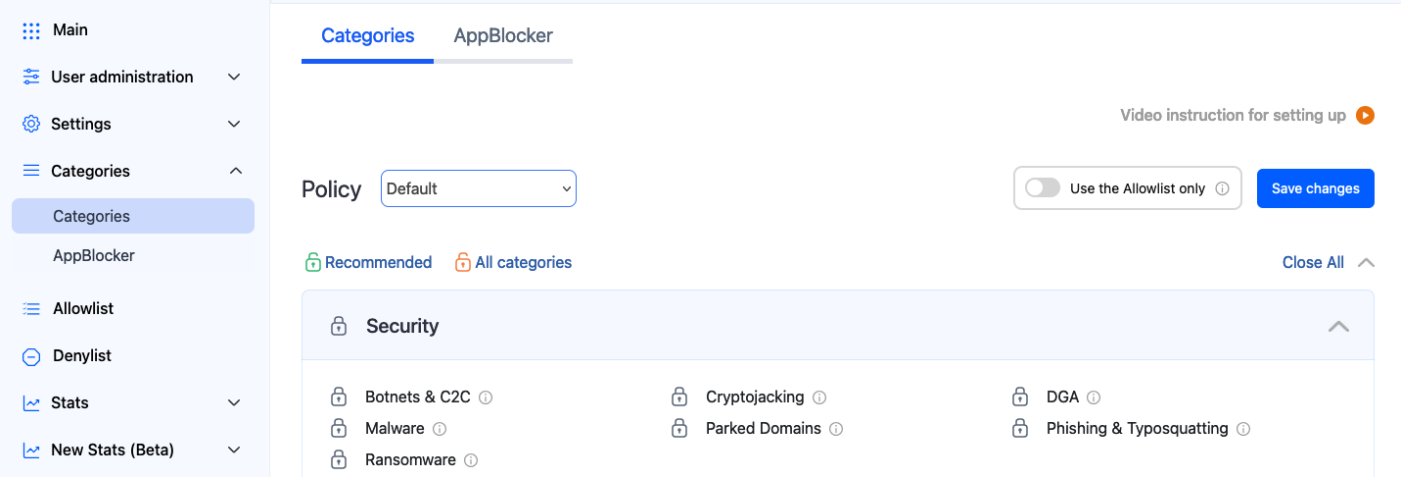


4. Apply filtering categories

Cisco Umbrella security settings are built into the SafeDNS filtering Categories.

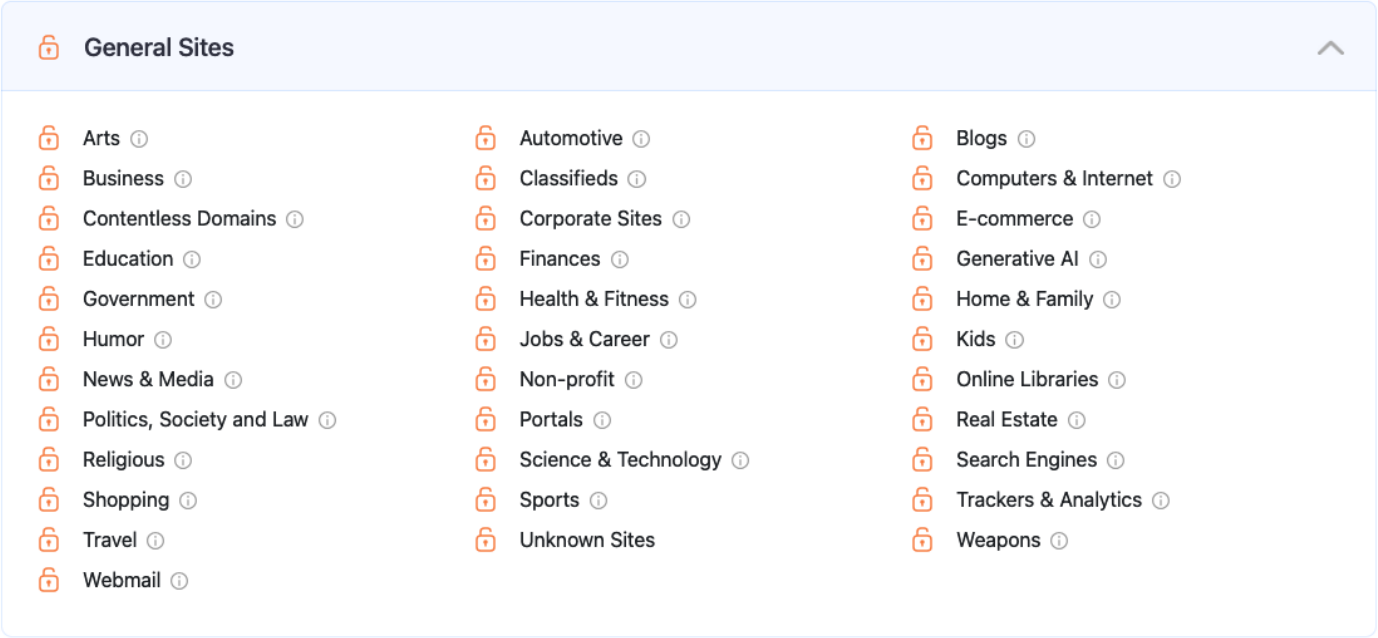
For example, Malware/Botnet protection, and Phishing Attacks options of Cisco Umbrella are identical to SafeDNS Botnets, Phishing & Typosquatting, and Malware categories.

These categories are already blocked by default in the [SafeDNS Dashboard > Categories tab](#).



The "Allowlist only" feature blocks access to any domain not listed on the Allowlist (see below).

SafeDNS also has the "Unknown Sites" category for the new non-categorized domains.



Transfer settings from the DNS Policies page of Cisco Umbrella to SafeDNS Categories.

Cisco Umbrella

Custom Setting

Default Settings ▼

CATEGORIES

SELECT ALL

- | | |
|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Adult | <input type="checkbox"/> Advertisements |
| <input type="checkbox"/> Alcohol | <input type="checkbox"/> Animals and Pets |
| <input type="checkbox"/> Arts | <input type="checkbox"/> Astrology |
| <input type="checkbox"/> Auctions | <input type="checkbox"/> Business and Industry |
| <input type="checkbox"/> Cannabis | <input type="checkbox"/> Chat and Instant Messaging |
| <input type="checkbox"/> Cheating and Plagiarism | <input type="checkbox"/> Cloud and Data Centers |
| <input type="checkbox"/> Computer Security | <input type="checkbox"/> Computers and Internet |
| <input type="checkbox"/> Conventions, Conferences and Trade Shows | <input type="checkbox"/> Cryptocurrency |
| <input type="checkbox"/> Digital Postcards | <input type="checkbox"/> Dating |
| <input type="checkbox"/> DIY Projects | <input type="checkbox"/> Dining and Drinking |
| | <input type="checkbox"/> DoH and DoT |
| <input type="checkbox"/> Dynamic and Residential | <input type="checkbox"/> Education |
| <input type="checkbox"/> Entertainment | <input type="checkbox"/> Extreme |
| <input type="checkbox"/> Fashion | <input type="checkbox"/> File Transfer Services |
| <input type="checkbox"/> Filter Avoidance | <input type="checkbox"/> Finance |
| <input type="checkbox"/> Freeware and Shareware | <input type="checkbox"/> Gambling |
| <input type="checkbox"/> Games | <input type="checkbox"/> Government and Law |
| <input type="checkbox"/> Hacking | <input type="checkbox"/> Hate Speech |
| <input type="checkbox"/> Health and Medicine | <input type="checkbox"/> Humor |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Illegal Activities |
| <input type="checkbox"/> Illegal Downloads | <input type="checkbox"/> Illegal Drugs |
| <input type="checkbox"/> Infrastructure and Content Delivery Networks | <input type="checkbox"/> Internet of Things |
| | <input type="checkbox"/> Internet Telephony |
| <input type="checkbox"/> Job Search | <input type="checkbox"/> Lingerie and Swimsuits |
| <input type="checkbox"/> Lotteries | <input type="checkbox"/> Military |
| <input type="checkbox"/> Mobile Phones | <input type="checkbox"/> Museums |
| <input type="checkbox"/> Nature and Conservation | <input type="checkbox"/> News |
| <input type="checkbox"/> Non-governmental Organizations | <input type="checkbox"/> Non-sexual Nudity |
| | <input type="checkbox"/> Not Actionable |
| <input type="checkbox"/> Online Communities | <input type="checkbox"/> Online Document Sharing and Collaboration |
| <input type="checkbox"/> Online Meetings | <input type="checkbox"/> Online Storage and Backup |
| <input type="checkbox"/> Online Trading | <input type="checkbox"/> Organizational Email |

- | | |
|--------------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Peer File Transfer | <input type="checkbox"/> Personal Sites |
| <input type="checkbox"/> Personal VPN | <input type="checkbox"/> Photo Search and Images |
| <input type="checkbox"/> Politics | <input type="checkbox"/> Pornography |
| <input type="checkbox"/> Private IP Addresses as Host | <input type="checkbox"/> Professional Networking |
| <input type="checkbox"/> Recipes and Food | <input type="checkbox"/> Real Estate |
| <input type="checkbox"/> Regional Restricted Sites (Germany) | <input type="checkbox"/> Reference |
| <input type="checkbox"/> Regional Restricted Sites (Italy) | <input type="checkbox"/> Regional Restricted Sites (Great Britain) |
| <input type="checkbox"/> Religion | <input type="checkbox"/> Regional Restricted Sites (Poland) |
| <input type="checkbox"/> Safe for Kids | <input type="checkbox"/> SaaS and B2B |
| <input type="checkbox"/> Search Engines and Portals | <input type="checkbox"/> Science and Technology |
| <input type="checkbox"/> Social Networking | <input type="checkbox"/> Sex Education |
| <input type="checkbox"/> Society and Culture | <input type="checkbox"/> Shopping |
| <input type="checkbox"/> Sports and Recreation | <input type="checkbox"/> Social Science |
| <input type="checkbox"/> Streaming Video | <input type="checkbox"/> Software Updates |
| <input type="checkbox"/> Tobacco | <input type="checkbox"/> Streaming Audio |
| <input type="checkbox"/> Travel | <input type="checkbox"/> Terrorism and Violent Extremism |
| <input type="checkbox"/> Weapons | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Web Hosting | <input type="checkbox"/> URL Shorteners |
| <input type="checkbox"/> Web-based Email | <input type="checkbox"/> Web Cache and Archives |
| | <input type="checkbox"/> Web Page Translation |

SafeDNS

Security



 Botnets & C2C 

 Malware 

 Ransomware 

 Cryptojacking 

 Parked Domains 



 DGA 


 Phishing & Typosquatting 



Illegal Activity





 Academic Fraud 

 Drugs 

 Tasteless 

 Child Sexual Abuse
(Arachnid) 

 German Youth Protection 


 VPN, Proxies &
Anonymizers 

 Child Sexual Abuse (IWF) 

 Hate & Discrimination 

Adult Related



 Adult Sites 

 Dating 

 Alcohol & Tobacco 

 Gambling 


 Astrology 

 Pornography & Sexuality 

Bandwidth Hogs





 File Storage 

 Photo Sharing 

 Movies & Video 

 Torrents & P2P 

 Music & Radio 

Time Wasters



 Chats & Messengers 

 Games 

 Entertainment 

 Online Ads 

 Forums 

 Social Networks 

General Sites



 Arts 

 Business 

 Contentless Domains 

 Education 

 Government 

 Automotive 

 Classifieds 

 Corporate Sites 

 Finances 

 Health & Fitness 

 Blogs 

 Computers & Internet 

 E-commerce 

 Generative AI 

 Home & Family 

Here is a transfer list of content filtering categories of Cisco Umbrella vs SafeDNS.

Cisco Umbrella category	SafeDNS primary category	SafeDNS additional category
Adult	Adult Sites	
Advertisements	Online Ads	
Alcohol	Alcohol & Tobacco	
Animals and Pets	Blogs	
Arts	Arts	
Astrology	Astrology	
Auctions	Business	E-commerce
Business and Industry	Business	E-commerce
Cannabis	Drugs	
Chat and Instant Messaging	Chats & Messengers	
Cheating and Plagiarism	Academic Fraud	
Cloud and Data Centers	Computers & Internet	
Computer Security	Security section	
Computers and Internet	Computers & Internet	
Conventions, Conferences, and Trade Shows	Business	
Cryptocurrency	E-commerce	Cryptojacking
Dating	Dating	

Digital Postcards	Computers & Internet	Entertainment
Dining and Drinking	Alcohol & Tobacco	
DIY Projects	Blogs	E-commerce
DoH and DoT	Computers & Internet	
Dynamic and Residential	Computers & Internet	
Education	Education	
Entertainment	Entertainment	
Extreme	Adult Sites	Hate & Discrimination
Fashion	Shopping	
File Transfer Services	File Storage	
Filter Avoidance	VPN, Proxies, and Anonymizers	
Finance	Finance	
Freeware and Shareware	Computers & Internet	
Gambling	Gambling	
Games	Games	
Government and Law	Politics, Society, and Law	Government
Hacking	Phishing & Typosquatting	Malware and Ransomware
Hate Speech	Hate & Discrimination	
Health and Medicine	Health & Fitness	
Humor	Humor	

Hunting	Weapons	
Illegal Activities	Illegal Activity section	
Illegal Downloads	Torrents & P2P	
Illegal Drugs	Drugs	
Infrastructure and Content Delivery Networks	Computers & Internet	
Internet of Things	Computers & Internet	
Internet Telephony	Computers & Internet	AppBlocker's VoIP
Job Search	Jobs & Career	
Lingerie and Swimsuits	Adult Sites	Shopping
Lotteries	Gambling	
Military	Weapons	
Mobile Phones	Computers & Internet	Science & Technology
Museums	Arts	
Nature and Conservation	Blogs	
News	News & Media	
Non-governmental Organizations	Business	Non-profit
Non-sexual Nudity	Adult Sites	
Not Actionable	Contentless Domains	
Online Communities	Forums	Social Networks
Online Document Sharing and Collaboration	File Storage	

Online Meetings	Chats & Messengers	
Online Storage and Backup	File Storage	
Online Trading	Finance	E-commerce
Organizational Email	Webmail	
Paranormal	Astrology	
Parked Domains	Parked Domains	
Peer File Transfer	File Storage	
Personal Sites	Blogs	
Personal VPN	VPN, Proxies, and Anonymizers	
Photo Search and Images	Photo Sharing	
Politics	Politics, Society, and Law	
Pornography	Pornography & Sexuality	
Private IP Addresses as Host	Computers & Internet	
Professional Networking	Computers & Internet	
Real Estate	Real Estate	
Recipes and Food	Health & Fitness	
Reference	Computers & Internet	
Regional Restricted Sites (Germany)	German Youth Protection	
Religion	Religious	
SaaS and B2B	Corporate sites	Business
Safe for Kids	Kids, Home & Family	Education
Science and Technology	Science & Technology	
Search Engines and Portals	Search Engines, Portals	

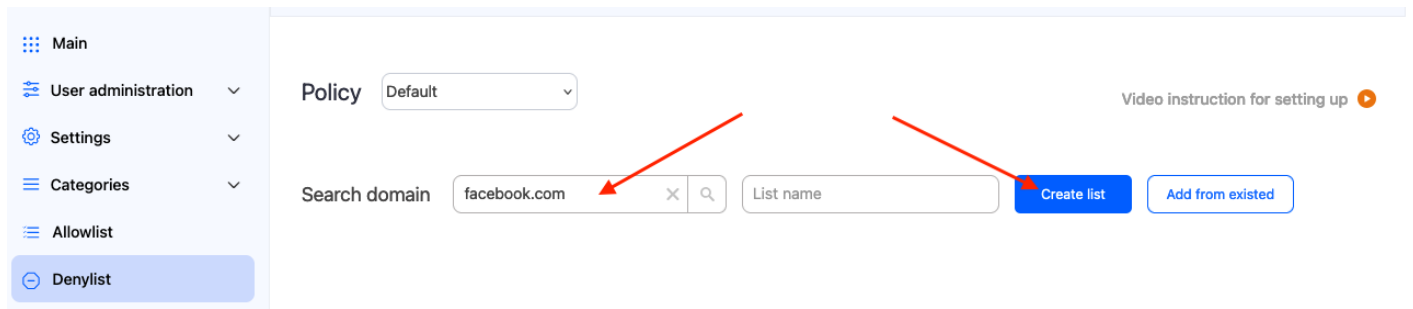
Sex Education	Adult sites	Education
Shopping	Shopping	
Social Networking	Social Networks	
Social Science	Science & Technology	
Society and Culture	Politics, Society & Law	
Software Updates	Computers & Internet	
Sports and Recreation	Sports	
Streaming Audio	Music & Radio	
Streaming Video	Movies & Video	
Terrorism and Violent Extremism	Hate & Discrimination	
Tobacco	Alcohol & Tobacco	
Transportation	Automotive	
Travel	Travel	
URL Shorteners	Computers & Internet	
Weapons	Weapons	
Web Cache and Archives	Computers & Internet	
Web Hosting	Computers & Internet	
Web Page Translation	Computers & Internet	
Web-based Email	Webmail	

5. Set up Allow/Denylists

You can always allow or block custom domains using Allow/Denylist.

Simply enter a domain you want to allow or deny to the list and click "Add". You can also add

domains in bulk using the "Edit as list" button.



The screenshot shows a web interface for managing domain lists. On the left is a sidebar with a menu: Main, User administration, Settings, Categories, Allowlist, and Denylist (which is highlighted). The main content area is titled 'Policy' with a 'Default' dropdown. Below this is a 'Search domain' section containing a text input with 'facebook.com', a clear button (X), and a search button (magnifying glass). To the right of the search input is a 'List name' input field. Further right are two buttons: 'Create list' (highlighted in blue) and 'Add from existed'. Two red arrows originate from a single point above the search input and 'Create list' buttons, pointing to each of them. In the top right corner, there is a link for a 'Video instruction for setting up' with a play button icon.

More information about Allow/Denylists and Named lists can be found [here](#).

6. Explore additional features

Advanced settings

Here you can enable Safe Search for Google and Bing, force the Restricted mode for Youtube, create a custom Blockpage, set up the filtering in the Active Directory environment, and redirect domains to different IP addresses with the Aliases.

Devices

Policy

Schedule

Advanced

Policy

Default

Video instruction for setting up

Settings

Force safe search

Force restricted mode for Youtube

Active directory

1. Add domain

Enter a hostname

Add

2. Specify the name of the domain controller (the short name without name of domain) and it IP address for that domain. PDC can be identified according to the command: netdom query fsmo.

3. In the Domains menu select same Policy and enter names and IP addresses of local resources of AD, which should be available to users.

Blockpage

1/2

Standard blockpages

Add new

Standard blockpage

A hidden blockpage with the emulation of a web page error

An empty DNS answer as if the blocked website does not exist

Personal blockpages

Default BlockPage

Aliases

2/100

Add domain

Enter a hostname

IP address

Add

Domain

file-share

storage

IP address

192.168.0.10

192.168.0.11

Schedule

Unlike other content filtering systems that use simple schedules with complete blocking of internet access based on time, SafeDNS uses a complex system of schedules that can be flexibly configured for any needs and any scenario.

Main

User administration

Settings

Devices

Policy

Schedule

Advanced

Categories

Allowlist

Denylist

Stats

New Stats (Beta)

Help

Account

DevicesPolicyScheduleAdvanced

Schedule · Settings Filtering Policy 2

Settings

Default policy is active

"Filtering Policy 2" policy is active

Schedule is enabled

12 am1 am2 am3 am4 am5 am6 am7 am8 am9 am10 am11 am12 pm01 pm02 pm03 pm04 pm05 pm06 pm07 pm08 pm09 pm10 pm11 pm

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Cancel

Save

AppBlocker

Here you can block individual applications or ecosystems. It is similar to Categories - just select the app you need to block and press "Save changes".

The screenshot displays the AppBlocker web interface. On the left is a sidebar menu with options: Main, User administration, Settings, Categories, AppBlocker (selected), Allowlist, Denylist, Stats, New Stats (Beta), Help, and Account. The main content area has a top bar with 'Categories' and 'AppBlocker' tabs. Below this is a 'Policy' dropdown set to 'Default' and a 'Save changes' button. A 'Video instruction for setting up' link is also present. The main area lists categories of blocked applications, each with a lock icon and an expand/collapse arrow. The categories and their contents are:

- All categories** (with 'Close All' link)
- CyberSecurity**
 - Shodan, Dr.Web, Norton, Avira, 1Password, Zscaler, AVG, Bitdefender, Malwarebytes, Tor, Kaspersky, ESET, McAfee
- Ecosystem Applications**
 - WeChat, Google, Apple, Microsoft, Cisco, Samsung
- Entertainment**
 - YouTube, Netflix, Paramount +, Dailymotion, Amazon Prime Video, Sony TV, Hulu, Disney+, HBO, Vimeo
- File Sharing**
 - 4shared, BitTorrent Client, Box

7. Download the SafeDNS Agent app

Our service can also be set up on the individual devices.

SafeDNS Agent is available for Windows, Linux, and Android systems. iOS and macOS agents are coming soon.

More information about the Agent can be found here:

Windows - <https://docs.safedns.com/books/installation-guides/page/safedns-agent-for-windows-setup>

Linux - <https://docs.safedns.com/books/installation-guides/page/safedns-agent-for-linux-setup>

Android - <https://docs.safedns.com/books/installation-guides/page/safedns-app-for-android-setup>

Unsupported mobile devices (yet) - <https://docs.safedns.com/books/installation-guides/page/mobile-devices-filtering-setup>

Support

If you have any questions about the migration to SafeDNS, please contact our support team via online chat or by email at support@safedns.com

Revision #8

Created 17 December 2023 17:07:01 by Val Redman

Updated 29 August 2024 12:55:54 by Mickaël Gauthier