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SafeDNS Global Anycast Network

SafeDNS Global Anycast Network consists of servers located throughout the world to ensure a fast and reliable DNS resolving from any point worldwide.

Points of presence

London
Amsterdam
Toronto
New York
Paris
Frankfurt
Denver
Tashkent
Seoul
Silicon Valley
Los Angeles
Atlanta
Tokyo
West Palm Beach
Nogales
Singapore
Lima
Sydney

List of SafeDNS Categories

ID	Category	Description
2	Unknown websites	All uncategorized websites. Most of them are technical domains that are parts of many websites. They are not categorized intentionally in some cases. We generally recommend blocking Unknown websites only when you need access to certain websites.
3	Malware	Sites spreading malware
4	Phishing & Typosquatting	Sites deceiving internet users (e.g. fake pages, scams, fraud)
5	Online Ads	Advertising systems and banner networks
6	Drugs	Sites advertising or selling drugs
7	Tasteless	Sites containing excessive amounts of tasteless language or unmoderated forums
8	Academic Fraud	Sites with plagiarism, academic fraud, etc.
9	Parked Domains	Sites without any content that are temporarily placed at the domain registrar; are often used for virus propagation
10	Hate & Discrimination	Sites spreading the propaganda of aggression, racism, terrorism
11	Proxies & Anonymizers	Sites containing ways to bypass content filters
12	Botnets & C2C	Malicious websites
13	Adult Sites	Adult content, mostly about sex but without pornography
14	Alcohol & Tobacco	Sites selling or containing information about alcohol and tobacco
15	Dating	Dating websites
16	Pornography & Sexuality	Sites containing pornography in any form
17	Astrology	Occult and astrology sites

ID	Category	Description
18	Gambling	Casinos, lotteries, and other gambling systems
19	Child Sexual Abuse (IWF)	Sites containing child sexual abuse images, criminally obscene adult and child sexual abuse content from a list compiled by Internet Watch Foundation/IWF (UK)
20	Torrents & P2P	Torrent trackers and peer-to-peer networks
21	File Storage	File-sharing sites, file archives
22	Movies & Video	Online movies and videos
23	Music & Radio	Internet radio and music archives
24	Photo Sharing	Archives of photos, photo galleries
26	Chats & Messengers	Online chats and instant messengers, messaging systems servers
27	Forums	Web forums
28	Games	Computer and videogames websites
29	Social Networks	Social networking services (e.g. Facebook)
30	Entertainment	Entertainment portals; cafes and restaurants; sites with information about leisure
31	German Youth Protection	Sites considered unsafe by the Federal Department for media harmful to young persons (BPjM, Germany)
32	Automobile	Sites about cars and other types of transport
33	Blogs	Systems of mass hosting, personal websites, blogs
34	Corporate Sites	Sites of commercial organizations
35	E-commerce	Online shops
36	Education	Websites of educational institutions, educational portals
37	Finances	Sites of banks and other financial institutions
38	Government	Official government sites
39	Health & Fitness	Sites of hospitals, medical centers, and health care organizations; health portals

ID	Category	Description
40	Humor	Humorous and entertaining sites, often tasteless
41	Jobs & Career	Job portals
42	Weapons	Websites about weapons and army
43	Politics, Society, and Law	Political news; political parties and organizations; legal organizations; laws
44	News & Media	News agencies, media sites
45	Non-profit	Sites of non-profit organizations
46	Portals	Common portals
47	Religious	Sites of religious and anti-religious organizations
48	Search Engines	Google, Bing, DuckDuckGo, etc.
49	Computers & Internet	Sites about IT, software, internet, and computers
50	Sports	Sites about sports or sports organizations
51	Science & Technology	Scientific organizations sites; science news
52	Travel	Sites about tourism and travel
53	Home & Family	Sites about home, family, and hobbies
54	Shopping	Sites with shopping unrelated to online stores
55	Arts	Museums, art portals, and galleries
56	Webmail	Webmail systems
57	Real Estate	Sites with information about sales and purchases of the real estate
58	Classifieds	Classifieds
59	Business	Sites about businesses and economics
60	Kids	Sites for children

ID	Category	Description
63	Trackers & Analytics	Web analytics systems, including user tracking
65	Child Sexual Abuse (Arachnid)	Sites containing child sexual abuse material from a list compiled by the Canadian Centre for Child Protection (CAN) as part of its Project Arachnid
66	Cryptojacking	Sites illegally mining cryptocurrencies
67	Online Libraries	Sites of online libraries
70	DGA	DGAs are algorithms detected in various malware families, which are used to periodically generate a large number of domain names that can be used as a default with their management and control servers.
71	Ransomware	Sites spreading ransomware
72	Generative AI	Sites of well-known AI services, chatbots, and text/picture generators
100	Contentless Domains	These sites may lack any meaningful or legitimate content, making their purpose unclear or unreliable, and due to their dubious nature, they pose potential risks to users

List of AppBlocker apps

Category	Description
CyberSecurity	
Shodan	Search engine that lets users search for various types of servers connected to the internet using a variety of filters.
Zscaler	Standalone cloud proxy, that monitors your organization's traffic enabling you to set policies for blocking transactions.
Tor	Software for enabling anonymous communication.
Ecosystem Applications	
WeChat	Chinese instant messaging, social media, and mobile payment app developed by Tencent.
Apple	Apple Inc. online services.
Cisco	Cisco Systems Inc. online services.
Google	Google online services.
Microsoft	Microsoft Corporation online services.
Entertainment	
YouTube	Online video sharing and social media platform.
Amazon Prime Video	Video on-demand, streaming and rental service of Amazon.
Disney+	Video on-demand, streaming service of The Walt Disney Company.
Netflix	Streaming service and production company.
File Sharing	
4shared	File-sharing website.
BitTorrent Client	BitTorrent client used for uploading and downloading files via the BitTorrent protocol.
Box	Cloud based file hosting and collaboration tool.

Category	Description
Dropbox	Cloud based file hosting service.
FASTdrive	UK-based cloud storage.
FileFactory	Online file storage service.
Leechers Paradise	Service that provides downloads from various file hostings.
NZB.su	Usenet file downloader.
MediaFire	Online file hosting and cloud storage.
OpenTrackr	BitTorrent peer tracker software.
qBittorrent Client	Cross-platform free and open-source BitTorrent client.
ShareFile	Content collaboration, file sharing and sync software.
Syncthing	Peer-to-peer file synchronization application.
Syncplicity	File share and synchronization service.
The Pirate Bay	Online index of digital content of entertainment media and software.
torrent.eu.org	BitTorrent tracker.
Xender	File transfer application.
uTorrent Client	BitTorrent client used for uploading and downloading files via the BitTorrent protocol.
Zer0day Tracker	BitTorrent tracker.
Financial	
Ethermine	Cryptocurrency mining pool.
Flypool BEAM	Cryptocurrency mining pool.
Flypool Ravencoin	Cryptocurrency mining pool.
Flypool Ycash	Cryptocurrency mining pool.
Flypool Zcash	Cryptocurrency mining pool.
Games	
Xbox network	Online multiplayer gaming and digital media delivery service created and operated by Microsoft.
Sony PlayStation Network	Digital media entertainment service provided by Sony Interactive Entertainment.
Nintendo network	Nintendo's online services.
GOG	Digital distribution platform for video games and films.

Category	Description
Steam	Video game digital distribution service and storefront.
Fortnite	Online video game.
Epic Games Store	Digital video game storefront.
PUBG-mobile	
Mail	
GMX	Email service provided by Global Mail eXchange.
ProtonMail	End-to-end encrypted email service.
Hushmail	Encrypted web-based email service.
SendGrid	Customer communication platform for transactional and marketing email.
Thunderbird	Email client by the Mozilla Foundation.
Yahoo Mail	Email service by Yahoo, Inc.
Messaging	
Slack	Messaging program for the office and personal use.
Skype	Telecommunications application.
Discord	VoIP, instant messaging and digital distribution platform.
Disqus	Blog comment hosting service.
ICQ	Cross-platform instant messaging and VoIP client.
Kakao Talk	Mobile messaging app for smartphones by Kakao Corporation.
KIK	Instant messaging mobile app.
Pushover	Push notification service on smartphones and computers.
Rocket.Chat	Enterprise communication and collaboration platform.
Signal	Encrypted instant messaging service.
Tencent QQ	Chinese instant messaging service and web portal.
Zalo	Vietnamese messaging service.
Viber	Japanese VoIP and instant messaging service.
Facebook messenger	Instant messaging app and platform by Meta.
Telegram	Cloud-based instant messaging service.
WhatsApp	Instant messaging and VoIP service by Meta.

Category	Description
Portal	
Baidu	Chinese search engine and online services.
Daum	South Korean web portal.
Hao123	Chinese online listings portal.
Mail.Ru	Russian web portal.
So 360	Chinese search engine.
Sogou	Chinese search engine.
Sohu	Chinese web portal.
TouTiao	Chinese news and information content platform.
Yahoo	Web services provider.
Remote Desktop	
RemotePC	Remote access and remote control software application.
AnyDesk	Remote desktop application.
TeamViewer	Remote access and remote control computer software.
BeyondTrust	Identity management / access management, and remote access software.
VNC	Remote access software.
Zoho Assist	Indian web-based business tools.
Chrome Remote Desktop	Remote desktop software tool by Google.
Splashtop	Remote desktop software and remote support software.
Webex	Web conferencing, videoconferencing, and unified communications service.
GoTo (Logmein)	Cloud-based remote work tools.
ISL light	Remote support software.
Social networks	
Snapchat	Instant messaging app and multimedia services.
Instagram	Photo and video sharing social networking service by Meta.
Facebook	Online social media and social networking service by Meta.
Twitter	Microblogging and social networking service.

Category	Description
TikTok	Chinese video hosting service.
Pinterest	Image sharing and social media service.
LinkedIn	Business and employment-oriented online service.
Technology	
GitLab	DevOps software package service.
GitHub	Software development and version control service.
Sourceforge	Software control and management service.
VoIP/Conferencing	
3CX	VoIP software.
Houseparty	Group video chatting app.
LINE	Instant communications application.
Blue Jeans Network	Cloud-based video conferencing service.
Jive Communications	Online conferencing service.
RingCentral	Cloud-based communication and collaboration services.
Telehop	Voice services, and VoIP.
Twilio	Communication tools for making and receiving phone calls, sending and receiving text messages.
VoIP.ms	Communication services.
Voyant	Cloud-based telecommunication services.
Zoom Video	Videotelephony software.
Google Voice	Telephone service by Google.
Microsoft Teams	Business communication platform by Microsoft.
FreeConferenceCall	Online conference call services.
Ooma	Phone service provider for business and home.
VPN And Proxy	
CyberGhost VPN	Online traffic encryption service.
Hide.me VPN	VPN service.
Hola VPN	Peer-to-peer VPN service.
NordVPN	VPN service.

Category	Description
Surfshark	VPN service.
Avast SecureLine VPN	VPN service.

Wireshark Guide

This guide shows how to troubleshoot the issues when an application or a domain, and Stats are not working properly.

Installation

Please download and install Wireshark. Choose x32 version, if you don't know the architecture of your operating system:

https://www.wireshark.org/download.html

According to Wireshark requirements, you will need to install either WinPcap or Npcap capture driver. Please select the option most suitable for you.

How to use the app

Once Wireshark is installed, the system should be restarted.

Please run the Wireshark application with the administrator rights. During the first run you will be prompted to select the source interface. Please select one of the network adapters:
Adapter for loopback traffic capture – if you are using SafeDNS Agent.
Wi-Fi or Local Area Connection – if the settings are configured on the network level.
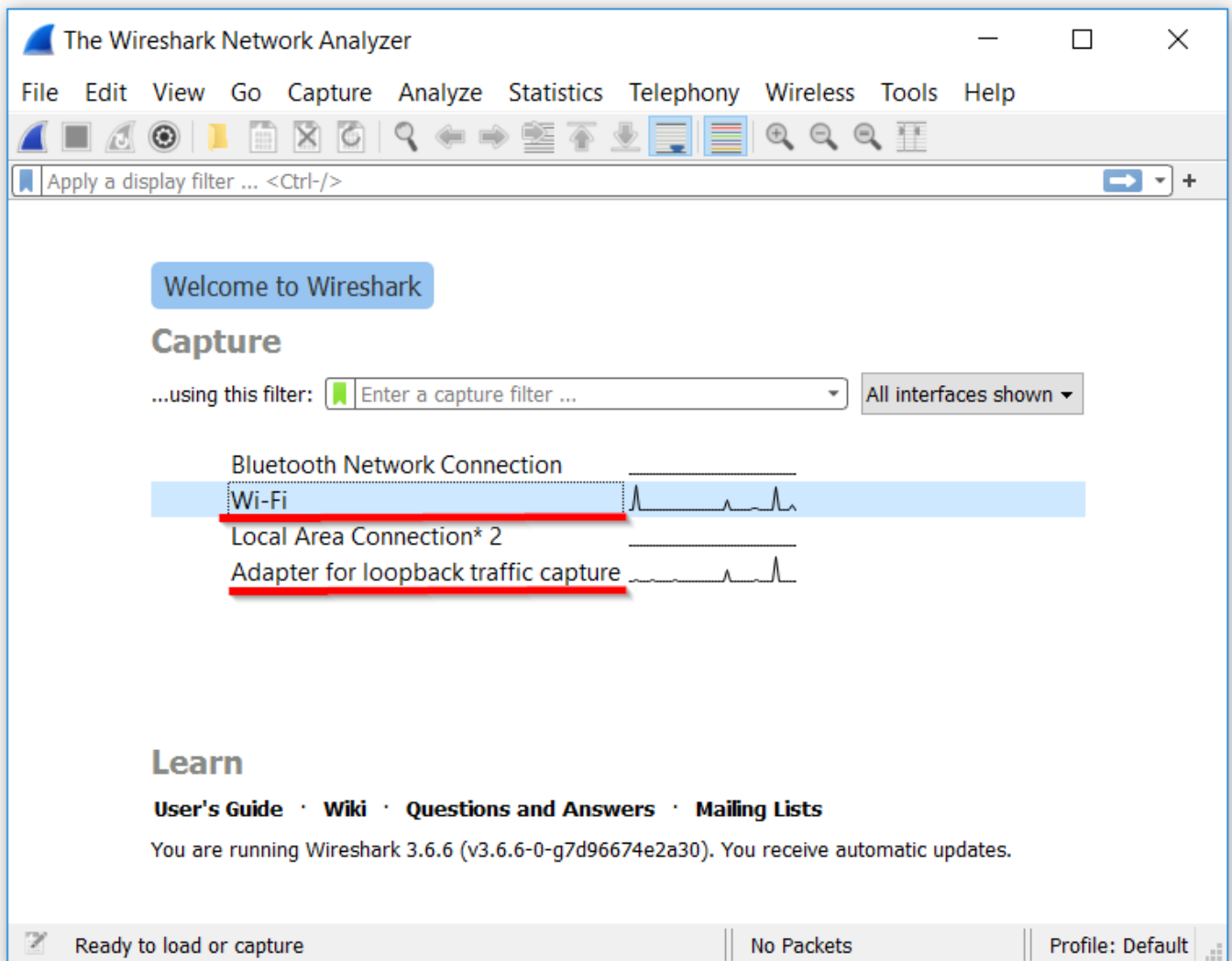
Configure the capture protocol by typing the **dns** in the Display Filter field and press the Enter button.
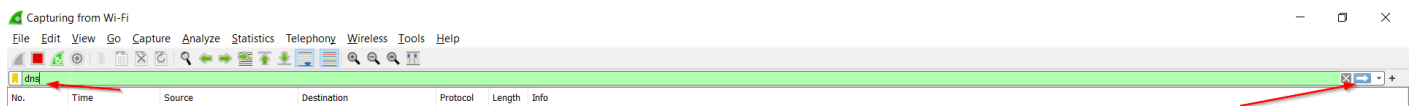
This step will filter all network requests to show DNS requests only.

Start the application that requires troubleshooting.

The screen of Wireshark shows the list of the hostname addresses, their corresponding IP addresses, and additional service information.

In the example above, the domain csi.gstatic.com was resolved to the IP address 195.46.39.13 - SafeDNS BlockPage address.
This means that the domain csi.gstatic.com is currently blocked either because its category is blocked or because it is on the Denylist.

Please note, that SafeDNS BlockPages can use the following addresses:
195.46.39.1, 195.46.39.2, 195.46.39.3, 195.46.39.11, 195.46.39.12, and 195.46.39.13.

How to solve the issue?

Please look up for the category of the domain with the SafeDNS online tool:

https://www.safedns.com/check-website

After that, check if this category is not blocked in your SafeDNS Dashboard or is not on the Denylist.

Using Wireshark to capture DNS requests is usually enough to solve any issues related to DNS web filtering. However, you can also try advanced Wireshark features - network packet capture, packet analyzer, and USB traffic capture.

DNSQuerySniffer Guide

This guide shows how to troubleshoot the issues when an application or a domain, and Stats are not working properly.

Installation

Please download and install DNSQuerySniffer. Choose x32 version, if you don't know the architecture of your operating system:

https://www.nirsoft.net/utils/dns_query_sniffer.html

According to the DNSQuerySniffer requirements, you will need to install either WinPcap capture driver or Microsoft network Monitor Driver. Please find below links to these drivers:

http://www.winpcap.org/install/default.htm

http://www.microsoft.com/downloads/details.aspx?FamilyID=983b941d-06cb-4658-b7f6-3088333d062f&displaylang=en

How to use the app

Once installed, please run the DNSQuerySniffer with the administrator rights. During the first run, you will be prompted to select the driver for the capture method and the source interface. Please select **Raw Sockets** method and choose one of the following network adapters:
127.0.0.0 – if you are using SafeDNS Agent.
192.168.X.X or **10.X.X.X** – if the settings are configured on the network level.
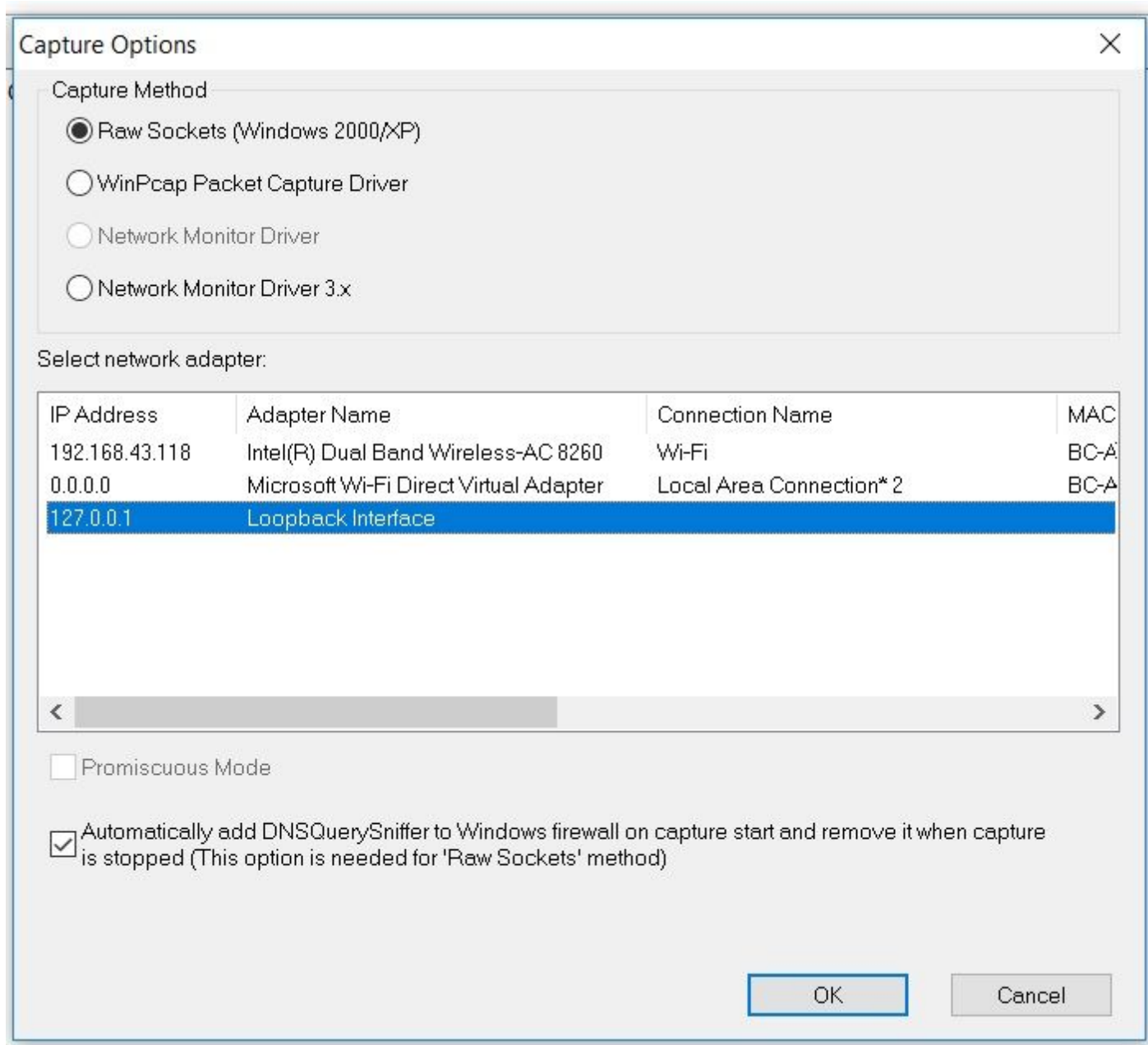
Start the application that requires troubleshooting.

The screen of the DNSQuerySniffer shows the list of the hostname addresses, their corresponding IP addresses, and additional service information.

In the example below, the domain csi.gstatic.com was resolved to the IP address 195.46.39.13 - SafeDNS BlockPage address.
This means that the domain csi.gstatic.com is currently blocked either because its category is blocked or because it is on the Denylist.

Please note, that SafeDNS BlockPages can the following addresses:
195.46.39.1, 195.46.39.2, 195.46.39.3, 195.46.39.11, 195.46.39.12, and 195.46.39.13.

How to solve the issue?

Please look up for the category of the domain with the SafeDNS online tool:

https://www.safedns.com/check-website

After that, check if this category is not blocked in your SafeDNS Dashboard or is not on the Denylist.