

[Webinar] Top Security with MikroTik Scripting and FlashStart

Speaker:

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The State of Cyber Security

The various cybersecurity reports agree: attacks on businesses are evolving.

Specifically:

- **Ransomware**
- **DDos standard**
- **Phishing**

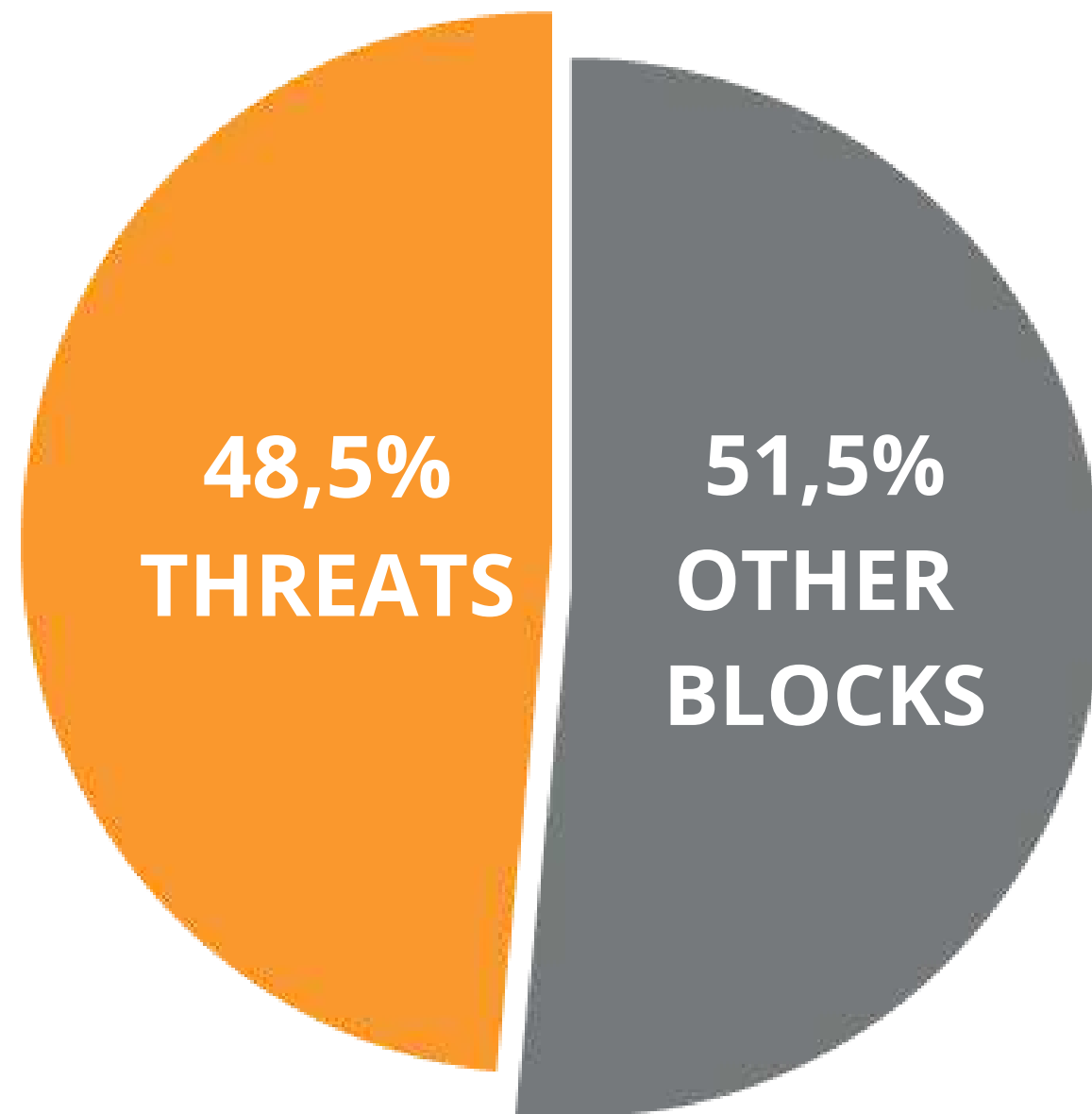
Over 2024, the severity of attacks has grown, with the clear majority now classified as Critical or High.





"The vertical markets most affected by cyber criminals in 2023/2024 were Educational, Public Administration and Small and Medium Enterprises."

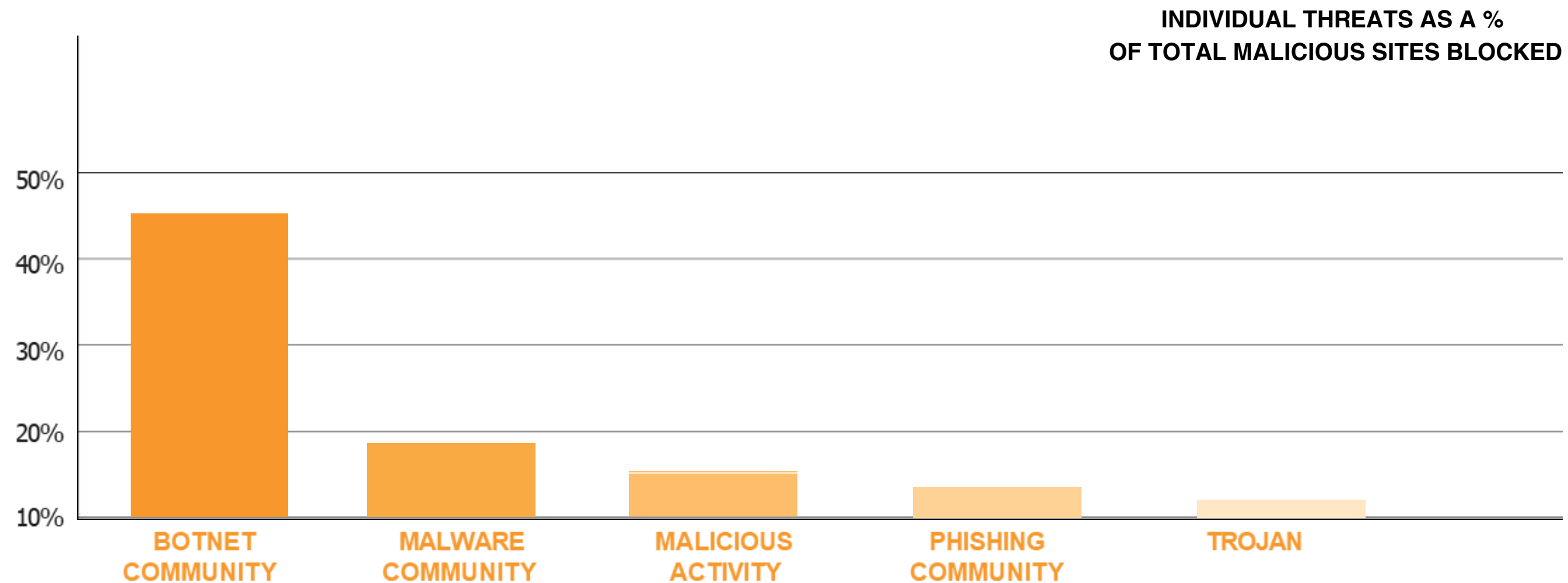
REQUESTS BLOCKED
LAST 6 MONTHS



"About half of the 6 billion sites blocked by FlashStart's DNS filter contained a threat."

"On average, one out of every 50 sites monitored turned out to be at risk and was blocked by FlashStart's DNS filter."

"Eighty percent of the sites that contained a security threat hosted a Botnet."





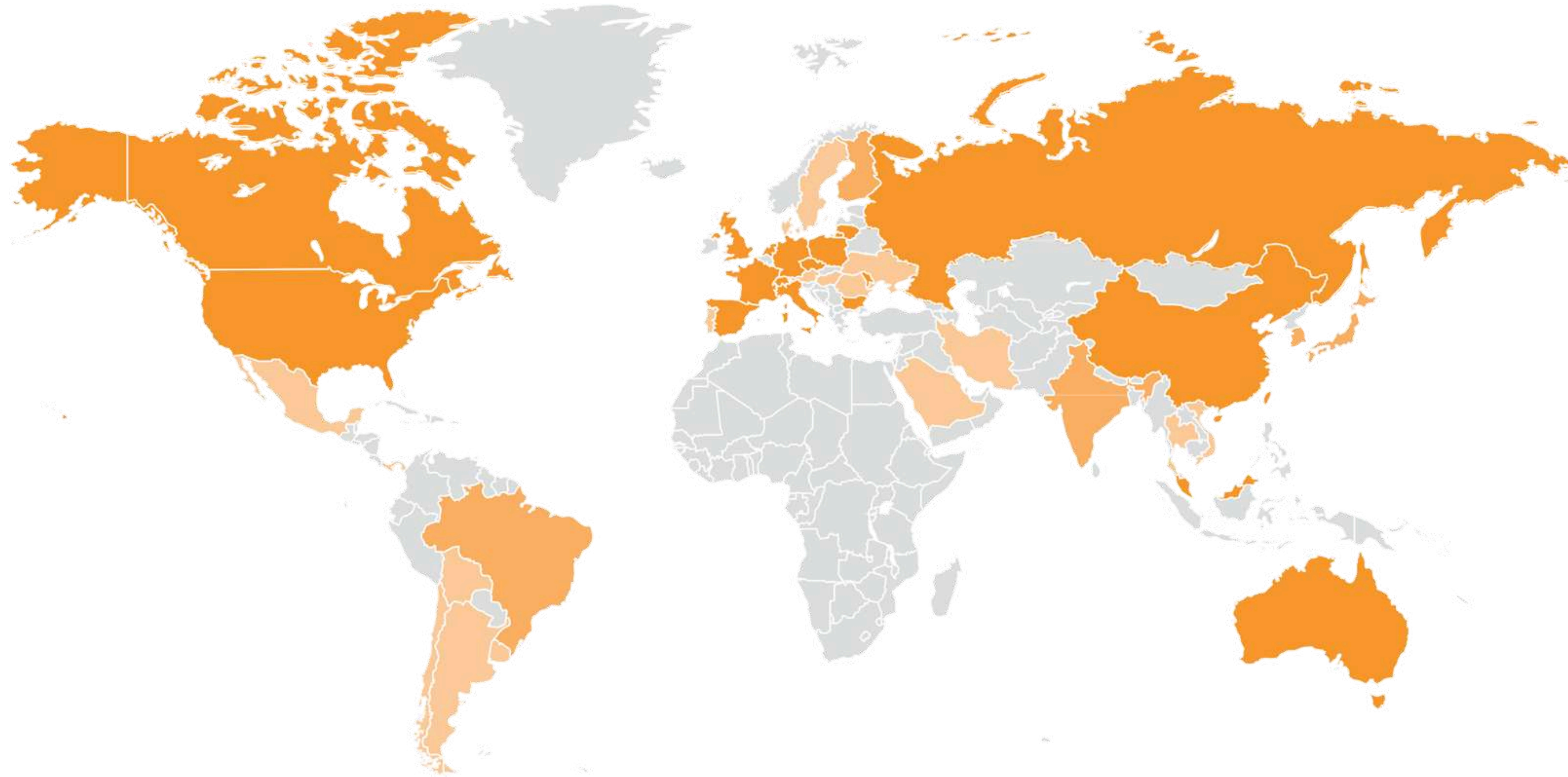
Where do they come from the threats

One of the distinguishing features of FlashStart's platform for monitoring and blocking access to sites via DNS is the **Geoblocking** filter.

"The most 'dangerous' nations are confirmed to be the United States and China."

THE GLOBAL THREAT MAP UPDATED IN REAL TIME

> threatmap.flashstart.com






THE IMPORTANCE OF A DNS FILTERING



About us



▶ FlashStart, a leading global company, among the most advanced in the world in the field of Cyber Security and DNS filtering.

▶ It was born from the **great passion for Internet security** of a team of experts in the IT world.

Corporate Mission

Bringing DNS security,
malware protection and
content filtering to the outside world!



Tens of millions of people
protected around the world



Chosen by more than
700 Partners



Distributed in over
157 countries



Billions of accesses
protected per day



Millions of threats
blocked per day



Global datacenters

Cloud platform used worldwide.



Made for Mikrotik!

The FlashStart platform achieved MFM Made for Mikrotik certification years ago!



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FlashStart

FlashStart is the innovative content and malware filter for MikroTik RouterOS devices. It requires no additional hardware or software and does not perceptibly impact Router performance. It operates as a cloud and by inspecting all DNS resolutions and filters the internet access based upon the end-user-defined security policy.

FlashStart is a high quality, fast and easy-to-use solution which is designed to be sold by the MikroTik resellers community worldwide.

Hundreds of Mikrotik's Reseller and Distributors are successfully using FlashStart to increase the value of their RouterOS installation, to directly compete against the more expensive UTM and Firewall.

Flash&Start®
INTERNET PROTECTION
















PRODUCT LINE














Pro & ProPlus

In the **Pro version**, AI-based DNS filtering protects Internet browsing from content and malware attacks, and provides clear and **comprehensive reports** in **compliance** with territorial laws. The **ProPlus** version, in addition, integration with **Microsoft's MS-Active Directory, APP Blocker & IP Blocking**.

Features	Pro version	ProPlus version
 Parental Control	✓	✓
 Protection against malware	✓	✓
 Geoblocking & Safe Search engine	✓	✓
 Traffic reporting and analysis	✓	✓
 Multi-tenant dashboard	✓	✓
 Compliant with regulations	✓	✓
 Secure DNS (DoH & DoT)		✓
 App Blocker		✓
 IP - Blocking		✓
 MS Active Directory synch		✓
 On-premise local DNS cache		✓
 Granular filter for users/groups/machines		✓
 End-Point Agent and Smartphone (ClientShield)		✓

ISP, WISP e Telco

FlashStart **Lite** and **Premium** for ISPs, WISPs and Telcos is designed for Residential and SOHO Customers, offers content and malware filtering at a **highly competitive price**. FlashStart Lite and Premium **optimize bandwidth utilization**, offer a local DNS cache (Cloud Box), keep public IPs clean, and offer multi-threading by allowing differentiated policies.

Features	Lite	Premium
 Parental Control	✓	✓
 Protection against malware	✓	✓
 Geoblocking & Safe Search engine	✓	✓
 Traffic reporting and analysis	✓	✓
 Compliant with regulations	✓	✓
 App Blocker		✓
 IP - Blocking		✓
 On-premise local DNS cache		✓
 Premium support with remote assistance		✓
 Data export		✓
 Personal RPZ blacklist		✓



ADVANCED FEATURES



Artificial intelligence
















- » **90% percentage** of correctly predicted domains;
- » blocks sites with insignificant content or unusual languages;
- » supports 24 languages;
- » + 10 recognized alphabets;
- » **innovative and effective** cyber threat intelligence.



Malware protection

«42% of computers are vulnerable to malware.»

- » + than **1 million** malware are blocked every day
- » + than **190 million** sites already surveyed
- » **Blocking capabilities** for new domains deemed dangerous
- » **International alliances**




Threat Protection 16 / 40 blocked			
	Always Allow	Always Block	Schedule blocks
▶ Malware & Threats			
▶ Malware & Threats Community			
▶ Newly registered domains			
▶ Proxy Filter & Avoidance			
▶ Frauds & Dangerous			

Content filtering

» **AI continuously scans** the web and the new domains, classifying them into more than 100 categories;

» **prevents access:**

- social media
- online advertising
- adult sites
- gambling

Content Filter				4 / 54 blocked
	Always Allow	Always Block	Schedule blocks	
▶  Adult Content & Unwanted Websites				
▶  Information Technology				
▶  Work-Related				
▶  Free time				
▶  Ads & Trackers				
▶  National Government Blacklists				

APP Blocker

Through **blocking applications** it is possible to exclude, what are the main distractions of users, such as:

- » video games
- » music
- » dating apps
- ...and much more.

App Blocker				0 / 112 blocked
	Always Allow	Always Block	Schedule blocks	
▶ Dating	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ E-Commerce	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ File Sharing	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Games	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ CryptoMining	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Music	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Financial	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Messaging	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Services	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Social	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Streaming	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ VPN & Proxy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
▶ Business	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ecosystem of Applications	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Geo-blocking

FlashStart, in addition to protection based on system categories, has another unique weapon at its disposal: **geo-blocking**.

Technically, this is a geographical protection that prevents **DNS resolution** of sites when the corresponding IP address is physically located in one of the **countries selected by the network administrator**.

Geoblocking protection

1 / 250 blocked











Geoblocking rules list | Search in lists

Allow

Deny

▶ Antarctica	<input checked="" type="radio"/>	<input type="radio"/>
▶ Asia	<input checked="" type="radio"/>	<input type="radio"/>
▶ Baltics	<input checked="" type="radio"/>	<input type="radio"/>
▶ Eastern Europe	<input checked="" type="radio"/>	<input type="radio"/>
▶ Europe	<input checked="" type="radio"/>	<input type="radio"/>
▶ IP not defined	<input checked="" type="radio"/>	<input type="radio"/>
▶ Latin America and Caribbean	<input type="radio"/>	<input type="radio"/>
▶ Middle East	<input type="radio"/>	<input type="radio"/>
▶ North Africa	<input type="radio"/>	<input type="radio"/>
▶ North America	<input type="radio"/>	<input type="radio"/>
▶ Oceania	<input type="radio"/>	<input type="radio"/>
▶ Russia and C.W. of Ind. States	<input type="radio"/>	<input checked="" type="radio"/>
▶ Satellite connections	<input type="radio"/>	<input type="radio"/>
▶ Sub-Saharan Africa	<input type="radio"/>	<input type="radio"/>

▼ Russia e C.W. Stati ind.

 Armenia	<input type="radio"/>	<input checked="" type="radio"/>
 Azerbaijan	<input type="radio"/>	<input checked="" type="radio"/>
 Georgia	<input type="radio"/>	<input checked="" type="radio"/>
 Kazakhstan	<input type="radio"/>	<input checked="" type="radio"/>
 Kyrgyzstan	<input type="radio"/>	<input checked="" type="radio"/>
 Moldova, Republic of	<input type="radio"/>	<input checked="" type="radio"/>
 Russian Federation	<input type="radio"/>	<input checked="" type="radio"/>
 Tajikistan	<input type="radio"/>	<input checked="" type="radio"/>
 Turkmenistan	<input type="radio"/>	<input checked="" type="radio"/>
 Uzbekistan	<input type="radio"/>	<input checked="" type="radio"/>

Solutions for *every industry*

FlashStart's Partners

- Resellers / MSP
- ISPs & WISPs
- Distributors & OEM

End-User served by Partners

- Companies
- PA
- Schools & No profit



COMPARISONS



Certification on IT Review Portals

FlashStart, a European company with an international flair is certified on the major cutting-edge technology review portals, managing to **compete with the big American giants** (Capterra: 4.8 vs 4.7 DNS Filter).
Our DNS Filter possesses excellent ease of use, a **competitive price/quality ratio** and **exceptional customer service**.



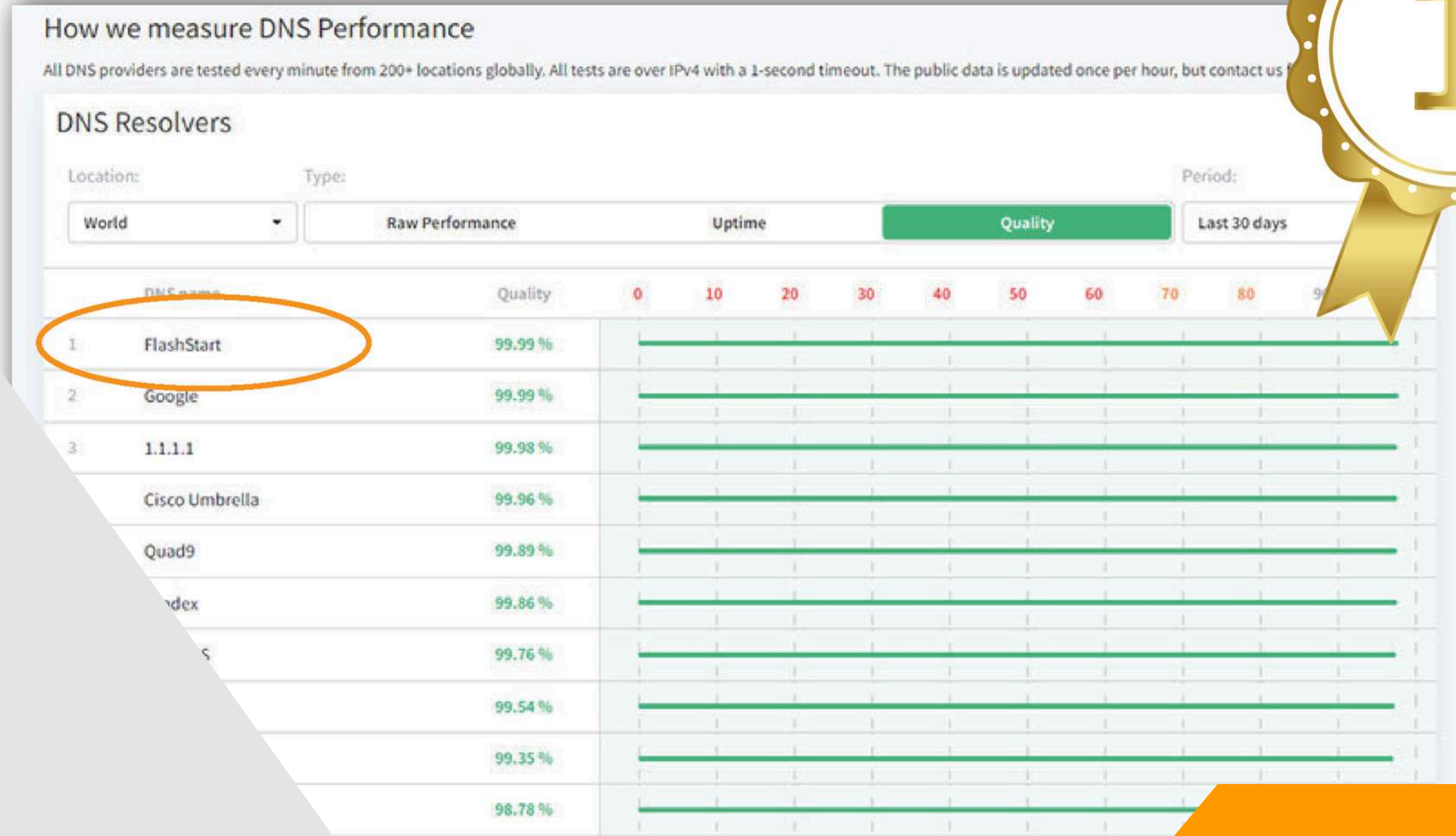
DNS Resolver Global Leader in Quality



FlashStart, a European company with international flair is certified on the independent benchmark Dnsperf as the **#1 DNS Resolver in quality worldwide!**

Ahead of such great giants as:

- » **Google**
- » **1.1.1.1**

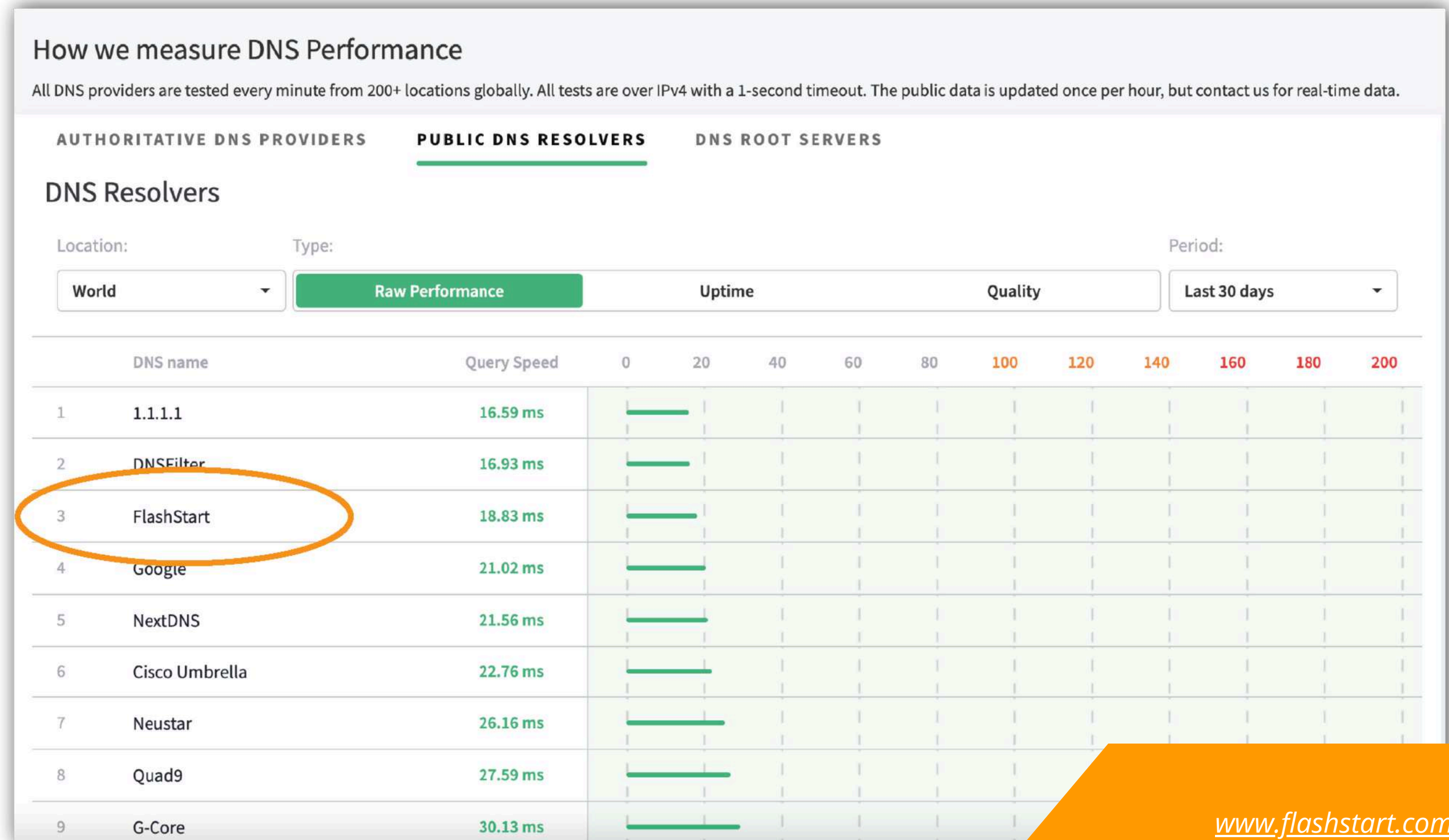


Among Top 3 DNS Resolvers Fastest in the World

FlashStart, a European company with international flair is certified on the independent benchmark Dnsperf as among **the top 3 fastest DNS Resolvers worldwide!**

Ahead of such great giants as:

- » **Google**
- » **Cisco Umbrella**





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