



# Preventing Cyberattacks: The Need for Protective DNS Solutions

In minutes, domain names, IP addresses and other Internet identifiers can be crafted or acquired by bad actors for predatory purposes including unwanted traffic, malware distribution, confusing similarities, pump and dump schemes, and every other nefarious activity which relies on high-quality DNS service.

To counter fast-evolving threats, enterprises need effective, easy-to-use Protective DNS solutions based on real-time intelligence. Protective DNS is a set of security services, including DNS Firewalls, developed to protect enterprises against the abuse of Domain Name System (DNS) assets, including domain names and IP addresses.

Response Policy Zones (RPZ) is a distributed DNS Firewall solution first created by current members of the Farsight team in 2010. RPZs have become a go-to security tool for enterprises, who can select their preferred commercial and open-source policy RPZ feeds that address their specific security threats, from phishing and ransomware to Domain Generation Algorithm (DGA) botnets and more.

## Farsight Protective DNS Solutions

Farsight Security has longstanding partnerships with ThreatSTOP, BlueCat Networks and Infoblox and other fellow DNS Firewall (RPZ) technology and policy providers to network operators who keep their DNS services on-premise or in-perimeter, as well as several Protective DNS providers including DNSFilter and Heimdal Security who offer DNS Firewall services in the cloud for network operators who prefer to outsource.

Farsight has offered Protective DNS technologies since 2014, when the company first launched Newly Observed Domains (NOD). *Among the Protective DNS solutions we offer:*

### Newly Observed Domains

Newly Observed Domains provides organizations with real-time actionable insights based on the newness of a domain. This enables them to protect their users from newly configured and used domains until those domains are better understood by the rest of the security industry such as spam filters and reputation providers—thereby materially improving their risk profile.

[Learn more →](#)

## Newly Active Domains

Newly Active Domains is a real-time data feed of domains that have become active after a period of inactivity (offline) for a period of at least ten (10) days. This data is very useful to detect and block domains used by threat actors who are patient enough to establish a harmless reputation for domain-name assets before use or reusing expired/abandoned domains that may have previously good reputations.

[Learn more →](#)

## Newly Observed Hostnames

Newly Observed Hostnames provides organizations with visibility of new hostnames or Fully Qualified Domain Names (FQDNs) – when they are first active. Using NOH, security teams can leverage real-time, actionable insights based on new hostnames that target their domains as well as their partners; thus ensuring end-to-end security.

[Learn more →](#)



## About Farsight Security, Inc.

Farsight Security, Inc. is a leading provider of historical and real-time passive DNS data, including its flagship solution, DNSDB, the world's largest passive DNS database. We enable security teams to qualify, enrich and correlate all sources of threat data and ultimately save time when it is most critical - during an attack or investigation. Our solutions provide enterprise, government and security industry personnel and platforms with unmatched global visibility, context and response. Farsight Security is headquartered in San Mateo, California, USA.

Learn more about how we can empower your threat platform and security team with Farsight Security passive DNS solutions at <https://www.farsightsecurity.com> or follow us on Twitter: [@FarsightSecInc](#).

To schedule a demo and obtain a free trial, contact: [sales@farsightsecurity.com](mailto:sales@farsightsecurity.com)

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