

Imperva DNS Protection

Secure your websites, applications, and APIs against DNS attacks to ensure uninterrupted operations.

Your Domain Name System (DNS) is the gateway to your business. Each website or machine has a unique IP address and DNS is the mechanism that permits users to connect to the internet using easier alphabetical domain names instead of more difficult-to-remember numeric or alpha-numeric IP addresses. DNS services are critical for successful business operations and this makes them a popular target for attackers.

DNS Attacks equates to lost business

DNS attacks interrupt the performance of your websites and applications, impacting on your customers' experience and ultimately resulting in lost business and damage to your brand.

Imperva DNS Protection

Imperva DNS Protection serves DNS queries from the closest point of presence to your end users for the fastest response time and optimal performance. By filtering out bad traffic and responding only to legitimate requests DNS protection ensures network connectivity and website availability to keep your business operational and resilient against the threat of a DNS-targeted attack.

Imperva DNS Protection

Managed DNS Protection

With Managed DNS Protection Imperva manages your DNS service in-house to guarantee fast response times and uninterrupted operations relieving you of the burden and the costs involved with managing your DNS infrastructure on-premises.

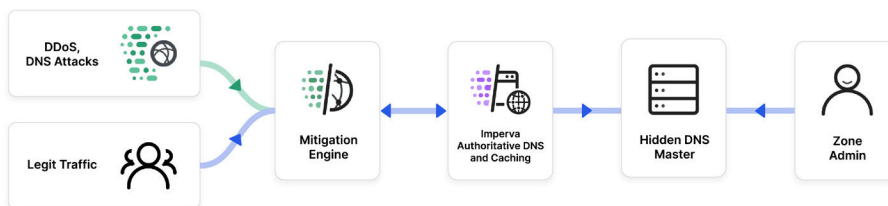
In a Managed DNS configuration Imperva becomes your Authoritative DNS provider, you can use it as your Primary or Secondary DNS service.

KEY BENEFITS

- Primary & Secondary Hidden DNS Master configuration support
- DNSSEC - additional layer of security via authentication
- Possibility to switch between managed or proxied DNS
- Automated onboarding and automation via API

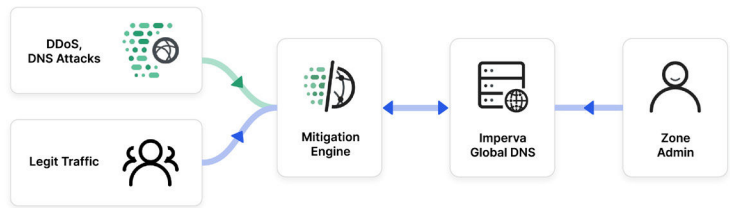
VISIBILITY

- Zone Import & Export
- DNS traffic statistics and trends
- DNS attacks analytics
- Instant attack notifications (mail, mobile)



DNS Zones Protection

With DNS Zones Protection queries are processed by Imperva before being forwarded to your DNS server to filter out any malicious packets without interrupting legitimate traffic to your website.



DNSSEC

DNSSEC adds an extra layer of security at every level of the DNS lookup process by allowing resolvers and applications to authenticate data received. The main idea behind DNSSEC is to prevent cache poisoning and DNS hijacking. DNSSEC is available for both Managed DNS and DNS Zones Protection customers.

Primary vs. Secondary DNS

Primary DNS is a server that hosts your primary zones file. Imperva will serve your domain DNS records taking from you the burden of maintaining your own DNS servers.

Imperva also offers a secondary DNS service. One of the major benefits of having a secondary DNS is for redundancy, and to avoid single point of failure. In a Primary/Secondary configuration, If the primary DNS server goes down the secondary DNS will take over.

Imperva Primary and Secondary DNS offers built-in DDoS mitigation to protect your DNS infrastructure in the event of an attack.

Whats Included

Managed DNS Protection	DNS Zones Protection
DNS configuration	DNSSEC authentication
DNSSEC authentication	Built-in DDoS Mitigation
Built-in DDoS Mitigation	

Save on costs

The average cost of a DNS attack for organizations is \$1M. Imperva DNS Protection ensures network connectivity and website availability to keep your business operational and resilient against the threat of a DNS-targeted attack.

Optimize performance

- Millions of applications and IPs protected
- 1.03 Trillion requests analyzed
- 3,500,000 bad requests blocked/minute
- 99.999% uptime SLA
- 3-sec DDoS mitigation SLA

Imperva Application Security

DNS Protection reduces risk and provides an optimal user experience safeguarding apps on premises and in the cloud by:

- Proactively blocking web attacks
- Protecting against DDoS attacks
- Mitigating bot attacks
- Protecting against supply chain attacks
- Extending detection and response

Learn more about Imperva Application Security at +1.866.926.4678 or online at imperva.com

Learn more about Imperva DNS Protection [here](#).