

DNS BASTION

All of Nameshield's expertise to protect your strategic domain names

Your web traffic, emails and many key applications of your company depend on some of your domain names. These are your **strategic domain names**.

The slightest unavailability deprives your customers and users from access, with irremediable consequences on datas, revenues, brand image and loyalty.

Unfortunately, these domain

names attract a lot of attention and their **attack surface** is important, between the exposure to **administrative risks**, such as attempts to usurp the name, to **technical risks**, such as DDoS attacks on DNS hosting.

Ensuring their **integrity, availability, monitoring**, together with **alert** and **analysis** in case of attack is essential.

To meet these requirements, Nameshield, relying on its expertise recognized by its peers and its almost 30 years of experience in management of critical domain names, has created the DNS Bastion: a unique protection, monitoring and alert service.

The 5 pillars of the Nameshield's DNS Bastion:



Integrity

Total protection against attempts of access, usurpation, transfer, modification or deletion of your domain names.



Availability

Your domain names always available, fast and resilient against attempts of DDoS, DNS spoofing or DNS cache poisoning attacks.



Monitoring

Dedicated and continuous monitoring of your domain names availability and a 24/365 support team.



Analysis

Monthly traffic analysis of the zone and sub-zone(s), report on technical optimization and compliance with ANSSI's recommendations.



Alert

Alert system in case of traffic anomaly detection based on the permanent monitoring of the domain name traffic.



DNS BASTION

2 levels of services adapted to your needs:

Integrity, Availability and **Monitoring** to fully protect your strategic domain names;
Analysis and **Alert** to optimize technical management and be immediately alerted in case of anomaly.

Integrity

- Registry lock: first ANSSI's recommendation against usurpation attempts.
- Access protection to Nameshield: MFA - IP filtering - Strong password policy.
- Management of access privileges: controlling who has the right to intervene on the strategic domain name.

Availability

Availability, speed and resilience against DDoS attacks:

- Double anycast network, multiple points of presence in all geographical areas.
- Double DDoS protection by Arbor Networks and Nameshield.
- SLA 99,999%.
- Intelligent traffic management: traffic geolocation and failover system.

Hosting security:

- DNSSEC against DNS spoofing and cache poisoning.
- SSL certificate with strong authentication (OV) for an enhanced HTTPS encryption.

Advanced technical configurations:

- Detailed TTL management, zone edition, large zones hosting, reverse zones, sub-domains, ALIAS records, API REST, anycast HTTPS redirections based on DigiCert certificates.

Monitoring

- Detailed DNS traffic statistics.
- Dedicated domain name availability monitoring.
- 24/365 support team.

Analysis

DNS Analysis reports including:

- Thorough DNS traffic analysis, the basis for anomaly detection.
- Zone configuration analysis to gain efficiency and limit risks.
- RFC compliance analysis and ANSSI recommendations monitoring for DNS resilience.

Alert

Be informed and react quickly in case of anomaly detection:

- Detection of DNS traffic anomalies.
- Immediate incident report notification to react quickly in case of anomaly.

All-inclusive services:

The DNS Bastion pricing is meant to be **easy** to read and **all inclusive**. It is based on a maximum **number of DNS requests** per month and gives access to all the services described above depending on the service level chosen. No hidden costs, no choice to make between the different options, a monthly or yearly package that provides transparency on the cost of the service. An annual adjustment based on monthly requests levels reached over an average of 10 months and without taking into account possible peaks in traffic due to attacks. Services on quotation from your Nameshield consultant.