MYRA

Myra Secure DNS

The uptime guardian for security and performance at the highest level: Name resolution protection is essential for the resilience of critical web applications. Myra Secure DNS uses leading technologies to protect your domains from cyberattacks and ensure maximum performance.

The global DNS network from Myra relies on extra-hardened server instances and geo-redundancy with anycast routing. With Hidden Primary support, you can easily transfer your name resolution and configuration to Myra Secure DNS.

Maximum performance
Anycast routing is used for name resolution, ensuring optimal performance at all times.

Convenient management
You can take care of the complete DNS management via Myra - either via the dashboard (WebGUI) or via API connection.

Designed for limitless uptime
Myra's multi-redundant server network ensures permanent high availability.

Broad DNS support
Myra supports the following DNS records, among others: A, AAAA, CNAME, NS, MX, TXT, SRV and Reverse DNS lookup (rDNS) with PTR records.

Secure by default
Myra Secure DNS comes by default with our BSI-qualified protection technology to defend against DDoS attacks. In addition, DNSSEC support enables integrity checking of web servers.

WHY MYRA SECURITY?

Comprehensive certification
Our technologies, services and processes are regularly audited and certified to the highest standards.

Made in Germany
As a company headquartered in Germany, Myra is legally compliant with the GDPR.

Local 24/7 support
Get professional help from our IT experts from the Myra SOC (Security Operations Center).

This is what Myra Secure DNS achieves for you

High-performance availability with easy management

Due to multiple redundancy and a global network in anycast mode, Myra Secure DNS ensures permanent availability and optimal performance. Thanks to hidden-primary support, moving the name resolution including the associated configuration requires little effort. The complete DNS management can be controlled either via dashboard (WebGUI) or API.

- Global server network in anycast mode

- Support for Hidden Primary

- Management via dashboard (WebGUI) or API
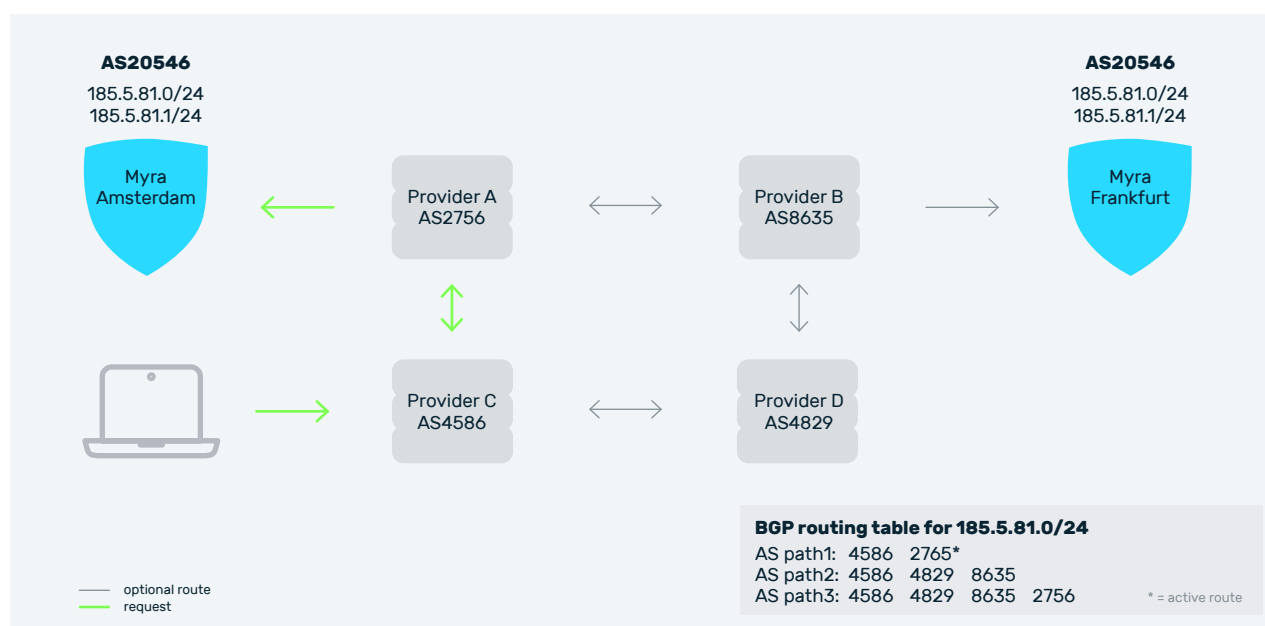
Protection against cyberattacks and manipulation

Traditional DNS servers are often vulnerable to attacks by cybercriminals. If outages occur because of DDoS attacks, the availability and integrity of the underlying web services are also at massive risk. Myra Secure DNS protects your services from:

- DDoS attacks

- DNS hijacking (via DNSSEC)

Why Myra Secure DNS uses anycast

Anycast routing assigns the same IP address to all globally distributed Myra DNS server instances. For anycast routing, the Border Gateway Protocol (BGP) is used, which is also used by default by all Internet Service Providers (ISPs) to build their networks.

BGP peering allows all these widespread networks to be used jointly. This ensures that requests are always answered by the fastest accessible Myra DNS server – regardless of where the requests are sent from. At the same time, load balancing can be realized through anycast, as traffic is switched over a large area to many server instances. The advantages in terms of security and performance of anycast operation are also used by the 13 root name servers, which are made up of more than 1,600 server instances.

AS20546
185.5.81.0/24
185.5.81.1/24

Myra Amsterdam

Provider A AS2756

Provider B AS8635

AS20546
185.5.81.0/24
185.5.81.1/24

Myra Frankfurt

Provider C AS4586

Provider D AS4829

BGP routing table for 185.5.81.0/24
AS path1: 4586   2765*
AS path2: 4586   4829   8635
AS path3: 4586   4829   8635   2756   * = active route

— optional route
— request

Seamless integration within Myra Application Security

Secure DNS is part of Myra Application Security and can therefore be individually extended with additional performance and security features. All solutions work seamlessly together and are conceptually aligned. These include:

DDoS Protection
Attackers use denial-of-service attacks to disrupt digital processes of companies and organizations. Myra DDoS Protection defends even highly complex attacks on your web applications and keeps them fully operational.

Secure DNS
To ensure the resilience of critical web applications, name resolution protection is critical. The hardened Myra Secure DNS relies on leading technologies to protect your domains from cyber-attacks and ensure maximum performance. Entire DNS zones can be managed within the Myra secure infrastructure.

Hyperscale WAF
Attackers target vulnerabilities in web applications to infiltrate vulnerable systems and mani-pulate, steal or delete sensitive data. The Myra Hyperscale Web Application Firewall (WAF) blocks malicious requests before they reach your servers.

Certificate Management
SSL/TLS ensures secure data transmission, unique authentica-tion as well as data integrity and therefore more user trust. With Myra Certificate Management, you can automatically issue and manage SSL/TLS certificates (DV).

Deep Bot Management
About half of the world's web traffic is generated by bots. Myra recognizes bot requests by identifying them with a unique fingerprint. This allows you to respond optimally to each request, control automated requests precisely and improve the performance of your website.

Analytics Data Lake
Comprehensive monitoring and reporting are essential to optimize web resources. Myra Analytics Data Lake allows you to retrieve, search and analyze log data in near real-time.

Video Streaming
Today's users expect to be able to access video content anytime, anywhere. Myra seamlessly optimizes your streams in real time as bandwidths, connection speeds, and network types change.

Multi Cloud Load Balancer
Low latency is critical for a first-class user experience on the Internet. Myra ensures it through ideal distribution of incoming requests, optimal load balancing across any number of backend servers, and reduced response times.

Push CDN
Move static elements of your website directly to the Myra Push CDN and benefit from geo-redundant high availability, enhanced performance and advanced resilience.

Industry-leading security, performance and compliance

- **BSI-KRITIS-qualified:** The BSI catalog includes 37 comprehensive criteria that DDoS providers must meet to qualify for the protection of critical infrastructure ("KRITIS"). Myra is one of the leading security service providers worldwide, meeting all 37 criteria.
- **Comprehensive certified quality:** ISO 27001 certification based on IT-Grundschutz, BSI-KRITIS certified, BSI C5 Type 2, DIN EN 50600 certified datacenters, PCI-DSS certified, IDW PS 951 Type 2 (ISAE 3402) audited service provider, Trusted Cloud
- **Special cluster for critical infrastructures:** GDPR-compliant, geo-redundant server infrastructure in Germany
- **Made in Germany:** full technical control, permanent development, 24/7 full service support

BSI-certified IT security

Myra Technology is certified by the German Federal Office for Information Security (BSI) in accordance with the ISO 27001 standard based on IT-Grundschutz. In addition, we are one of the leading security service providers worldwide to meet all 37 criteria set by the BSI for qualified DDoS protection providers. We are setting the standard in IT security.

Certified by the Federal Office for Information Security (BSI) in accordance with ISO 27001 on the basis of IT-Grundschutz | Certified in accordance with Payment Card Industry Data Security Standard (PCI DSS) | Qualified for critical infrastructure in accordance with §3 BSI Act | BSI C5 Type 2 | Certified Trusted Cloud Service | IDW PS 951 Type 2 (ISAE 3402) audited service provider

Myra Security is the new benchmark for global IT security

Myra monitors, analyzes and filters malicious Internet traffic before virtual attacks cause any real damage. Our certified Security as a Service platform protects your digital business processes from multiple risks such as DDoS attacks, botnets and database attacks.

Made in Germany

Myra Security is the new benchmark for global IT security.

German technology manufacturer Myra Security offers a certified Security as a Service platform to protect digital business processes.
The smart Myra technology monitors, analyzes and filters harmful Internet traffic before virtual attacks can cause real damage.

Request an individual security analysis now

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