# Myra High Performance CDN

**Get a performance boost for your website. The Myra High Performance CDN ensures lightning-fast page loading with minimal latency.**

Speed, lowest latency and flexible scalability: The demands on modern web applications are growing rapidly. With the Myra High Performance CDN, you can achieve a first-class user experience thanks to leading technologies – globally and on all devices.

Whether desktop, tablet or smartphone: Thanks to device-sensitive image scaling, your image content is always delivered in the optimal resolution. The Myra High Performance CDN ensures smooth video streams through variably scalable bit rates and dynamic resolutions, even during unpredictable load peaks.

You also benefit from lower operating costs by offloading your origin servers. Myra High Performance CDN is a Security as a Service solution that is quick and easy to implement – no additional software or hardware is required.

**High-performance delivery**
Caching of website content in RAM

**Protect your origin servers from attacks and overloads**
Using HTTPS reverse proxy for website and app content delivery

**Customized caching**
Freely definable rules, e.g., via regular expressions

**Lower operating costs**
Significant savings in bandwidth, processing power, and server capacity

## 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 High Performance CDN achieves for you

### Speed up websites, reduce latency

Myra High Performance CDN delivers all static and dynamic content of your website in the shortest possible time by using the most advanced web technologies. These advantages give you a head start on the web:

- High-performance delivery of all content through pure RAM caching

- Customized caching through freely definable rules

- Optimal peerings with the relevant Internet Exchanges (DECIX, SwissIX, AMSIX, VIX, BCIX etc.)

### Reduce operating costs, optimize content delivery

Lower the load on your origin servers and reduce the required traffic volume to a minimum with Myra High Performance CDN – this saves costs for the operation of your web infrastructure.

- High potential savings in bandwidth, processing power, storage space and capacity

- Save on data transfers with automatic revalidation of expired objects

- Optional image scaling and format conversion (WebP) for customized content delivery to the respective end device

- Image compression by removing superfluous metadata

- Changes to content become active immediately thanks to real-time cache

# Overcome the single point of failure with Myra
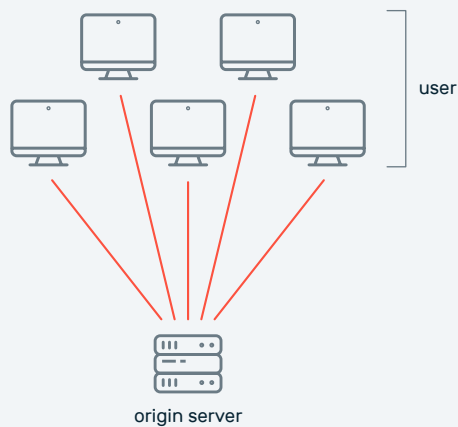


### Without CDN

- Single point of failure

- Vulnerable to unpredictable load peaks, (DDoS) attacks, technical failures, high operating costs at high load
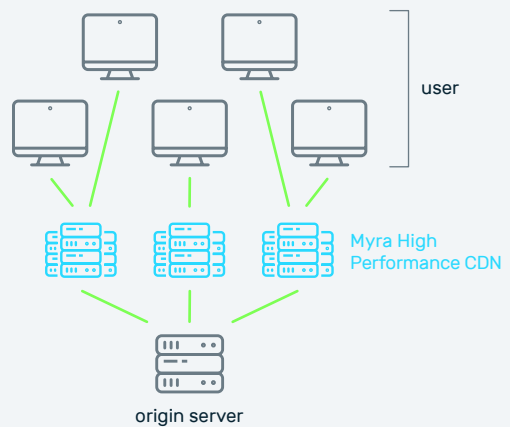
### With Myra High Performance CDN

- Multiple (geo)redundant security and stability

- Optimal load balancing and performance

- Low cost of ownership through origin offloading

# Key benefits and features at a glance

**+**

### High-performance delivery
Caching of website content in RAM

**+**

### Protect your origin servers from attacks and overloads
Using HTTPS reverse proxy for website and app content delivery

**+**

### Customized caching
Freely definable rules, e.g., via regular expressions

**+**

### Flexible CDN management
Complete management and integration into own deployments via API possible

**+**

### Secured accessibility through stale objects
Delivery of cached content in case of origin server failures

**+**

### Lower operating costs
Significant savings in bandwidth, processing power, and server capacity

**+**

### High reliability and stability
Stable performance even during peak request periods during advertising and marketing campaigns on TV, radio, online or print, as well as unexpected load peaks

**+**

### Automatic revalidation
Reduction of data transfers via automatic revalidation of expired objects

**+**

### Full control
Content can be guaranteed to be delivered from Germany on request

# Seamless integration within Myra Application Security

High Performance CDN  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 based on IT-Grundschutz | Certified in accordance with Payment Card Industry Data Security Standard | Qualified for critical infrastructure in accordance with §3 BSI Act | Compliant with (EU) 2016/679 General Data Protection Regulation | BSI C5 Type 2 | Certified Trusted Cloud Service | IDW PS 951 Type 2 (ISAE 3402) audited service provider | DIN EN 50600 certified datacenters

# 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.

# 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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