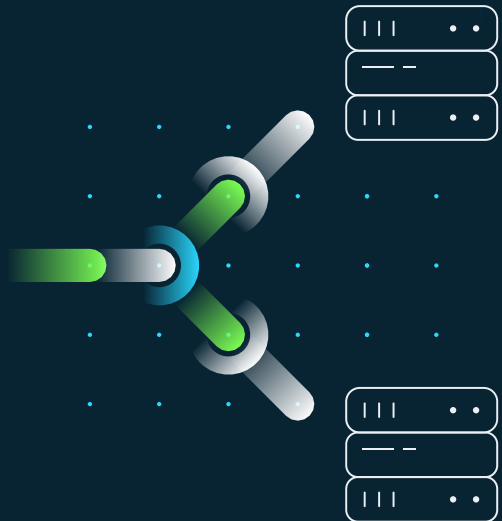


# Myra Multi Cloud Load Balancer



**Low latency is critical to a positive user experience on the web. Excessive load times or downtime due to overloaded servers can put your business at risk. The Myra Multi Cloud Load Balancer optimally distributes the load of incoming requests across any number of backend servers, even across multiple data centers. This ensures consistently high availability and performance of your websites and web applications.**

Sudden traffic spikes or server failures slow down access to websites or even make it impossible. Load balancing allows efficient distribution of traffic across multiple servers, increasing resilience. The Myra Multi Cloud Load Balancer provides a flexible, high-performance replacement for classic on-premises load balancing. You can integrate the cloud solution quickly and easily into your existing IT infrastructure - without additional IT investments. Resilient, highly available, scalable.

#### ■ Flexible load balancing plans

Myra supports standard methods like Round Robin, IP Hash or least connection as well as self-defined and complex load balancing plans (e.g., directly from Citrix / Cedexis or Conviva).

#### ■ Multiple upstream IPs

Myra provides support for multiple upstream IPs.

#### ■ Dead backend detection

Myra detects origin servers that are no longer accessible or are down and automatically redirects traffic to other servers.

#### ■ Configurable upstream weighting

Myra allows different upstream weighting.

## WHY MYRA SECURITY?

### Comprehensive certification

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

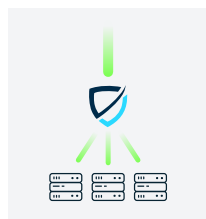
### Made in Germany

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).

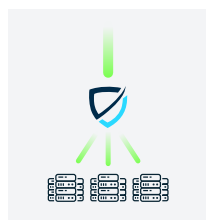
## Three use cases – one easy-to-integrate solution



### Server load balancing

The Myra load balancing at server level immediately compensates excessive traffic loads. Dead backend detection, weighted distribution and stand-by functionality ensure optimal availability.

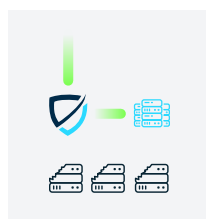
- Ideal and fully flexible distribution of incoming requests to any number of servers
- Support for self-defined and complex load balancing plans
- Support for active/active and active/passive configurations (stand-by backup)



### Data center load balancing

The Myra load balancing at data center level allows you to distribute your data streams to any number of servers across multiple data centers. This solution is ideal if you operate servers at different locations or want to configure your server network individually.

- Customized configuration options
- Seamless integration into your existing IT infrastructure



### Site failover

Myra automatically detects unreachable origin servers and controls traffic forwarding to functional servers. In the event of an outage, the solution activates the alternative standby data center or, optionally, a static emergency website previously defined by you.

- High reliability without downtime
- Real-time monitoring allows immediate identification of errors or problems

## Benefit now from Myra Multi Cloud Load Balancer

- **Reliability**

Myra automatically detects failures or temporary inaccessibility of origin servers and excludes them as upstream servers, so your content continues to be delivered reliably without interruption.

- **High availability**

The redundant cloud operation of the Multi Cloud Load Balancer within the DDoS-protected Myra infrastructure ensures an availability of at least 99.9% SLA (higher service levels optional).

- **Flexibility**

Myra load balancing works regardless of the nature of your content – whether it's dynamic or static.

- **Scalability**

Benefit from global load-balancing scalability without additional IT investment.

- **Performance**

IP-Anycast and globally distributed load balancing ensure a connection setup at a constantly high performance level.

- **Real-time monitoring**

Monitor and control your traffic in real-time via a dedicated dashboard (WebGUI). In addition, the Myra SOC actively informs you of any failed origin servers.

- **In-/cross-data center**

The Myra Multi Cloud Load Balancer is available as both an in-datacenter and a cross-datacenter solution.

- **Cost savings**

Reduce your total cost of ownership by moving from on-premises hardware to Myra's scalable cloud-based solution that requires no additional hardware or software.

## Key benefits and features at a glance



### Flexible load balancing plans

Myra supports standard methods such as Round Robin, IP Hash or least-connection as well as self-defined and complex load balancing plans (e.g. directly from Citrix / Cedexis or Conviva).



### Multiple upstream IPs

Myra provides support for multiple upstream IPs.



### Dead backend detection

Myra detects origin servers that are no longer accessible or are down and automatically redirects traffic to other servers.



### Encrypted traffic forwarding

Myra supports the forwarding of encrypted inbound traffic. The SSL/TLS certificates remain with the customer.



### Configurable upstream weighting

Myra allows different weighting of upstreams.



### IP stickiness

The requesting IP address remains on the same upstream.



### Secondary backup server

Optionally, you can configure an additional backup server. This way you are also prepared for the case when both the source and the first backup server are unavailable.



## Seamless integration within Myra Application Security

Multi Cloud Load Balancer 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.



### High Performance CDN

High speed, low latency, and flexible scalability: the demands on modern web applications are growing more and more. With Myra High Performance CDN you achieve a first-class user experience thanks to leading technologies.



### Hyperscale WAF

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



### 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.



### 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.



### Certificate Management

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



### 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.



ISO 27001 BSI zertifiziert  
auf der Basis von IT-Grundschutz  
Zertifikat Nr.: BSI-IGZ-0479-2021



PCI DSS  
Certified



BSIG  
KRITIS-qualifiziert



GDPR  
compliant



BSI C5  
TESTAT TYP 2



Trusted  
Cloud  
SERVICE  
100%



ISAE 3402  
IDW PS 951  
TYPE 2



DIN EN 50600  
zertifiziert  
BETRIEBSSICHERES  
RECHENZENTRUM

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.



Bundesministerium  
für Gesundheit



ITSG



msc  
Munich Security  
Conference



Barmenia  
EINFACH. MENSCHLICH.



DSV IT Service



BZgA  
Bundeszentrale  
für  
gesundheitliche  
Aufklärung



BIOSCIENTIA  
MEDIZIN. LABOR. SERVICE.



Liechtensteinische  
Landesbank 1861

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**

**Myra Security GmbH**



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