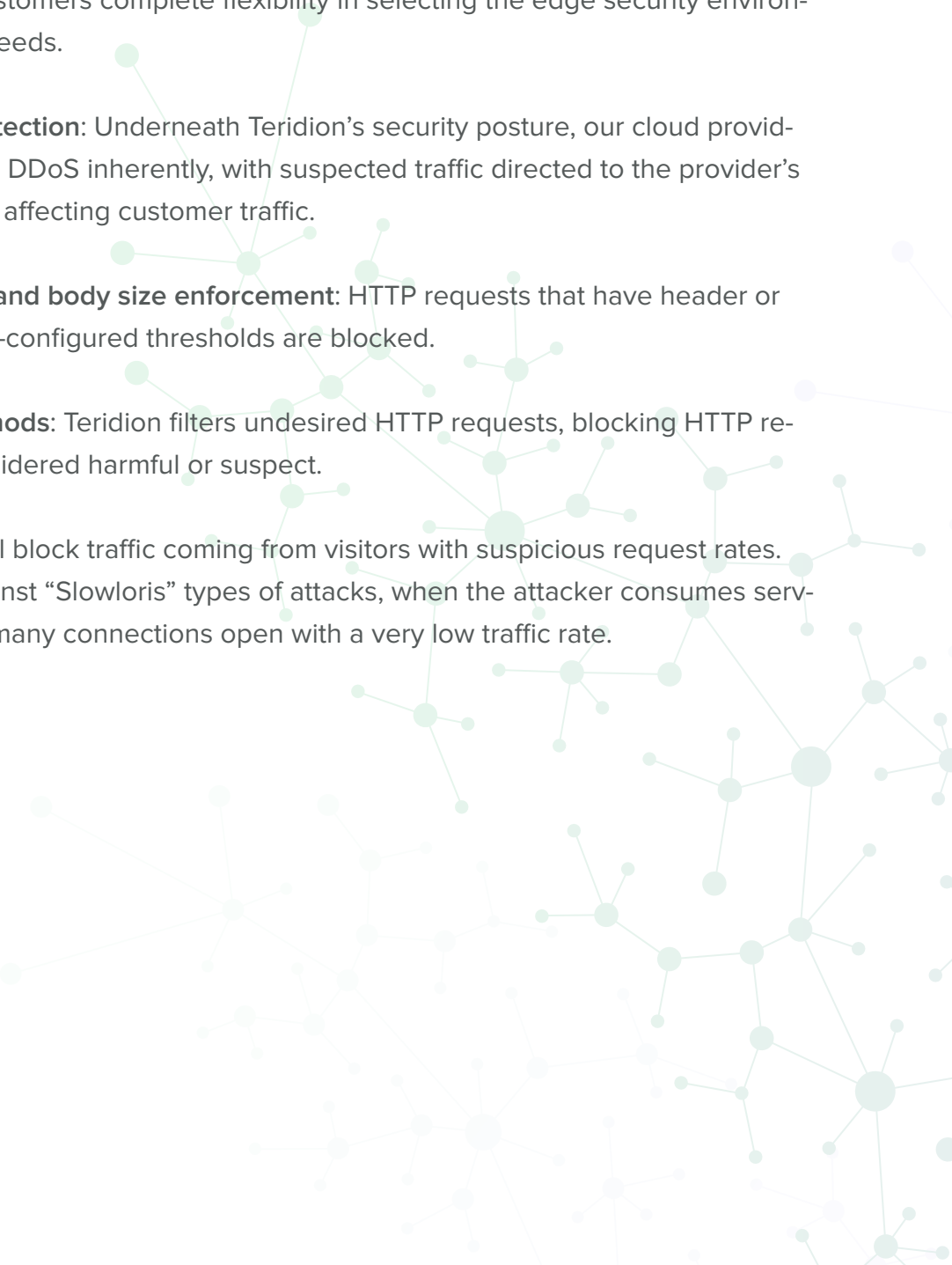Teridion's global cloud overlay network has been securely, reliably handling traffic for many of the world's leading SaaS providers since 2014. Teridion's cloud WAN service brings the same rigorous approach to security and high availability to the enterprise WAN.

GDPR Compliant

**AICPA SOC** aicpa.org/soc4so **SOC2** Compliant

Security

- **Secure IPSec connection end-to-end**: Traffic stays private and safe with authentication and encryption. Teridion customers have full control over the encryption and authentication policies used in their connection to the Teridion edge.

- **Single tenant solution**: Teridion for Enterprise establishes a separate network for each customer. This approach ensures that even if a single network is compromised, other networks will not be affected.

- **Compliance**: Teridion is compliant with SOC II and GDPR regulations, so traffic is secure and compliant anywhere in the world.

- **TCR Firewall**: Distributed Denial of Service attacks can cripple an enterprise. The Teridion Cloud Router (TCR) level firewall:
    - Allows only legitimate traffic at the network edge
    - Blocks malicious traffic to prevent network overloading
    - Drops DDoS traffic targeted at the network layer such as SYN Floods or UDP Floods
    - Helps reduce costs of traffic incurred from fraudulent requests.

- **Multiple data centers, multiple providers**: If a particular data center is under attack and network performance is compromised, Teridion can automatically shift the customer edge connection to a secondary data center, including a DC of a different cloud provider.

- **No decryption**: Unlike some WAN Op solutions, Teridion accelerates traffic while retaining encryption continuity.

- **Auto-scaling**: Each Teridion customer network automatically scales up when more capacity is needed, avoiding DoS due to capacity over-subscription.

- **Edge security interoperability**: Teridion for Enterprise works with any branch firewall/ SD-WAN device, allowing customers complete flexibility in selecting the edge security environment that best fits their needs.

- **Cloud provider-level protection**: Underneath Teridion's security posture, our cloud provider partners are mitigating DDoS inherently, with suspected traffic directed to the provider's scrubbing center without affecting customer traffic.

- **Maximum HTTP header and body size enforcement**: HTTP requests that have header or body size larger than pre-configured thresholds are blocked.

- **Restriction of HTTP methods**: Teridion filters undesired HTTP requests, blocking HTTP request types that are considered harmful or suspect.

- **Rate limiting**: Teridion will block traffic coming from visitors with suspicious request rates. The feature is useful against "Slowloris" types of attacks, when the attacker consumes server resources by holding many connections open with a very low traffic rate.
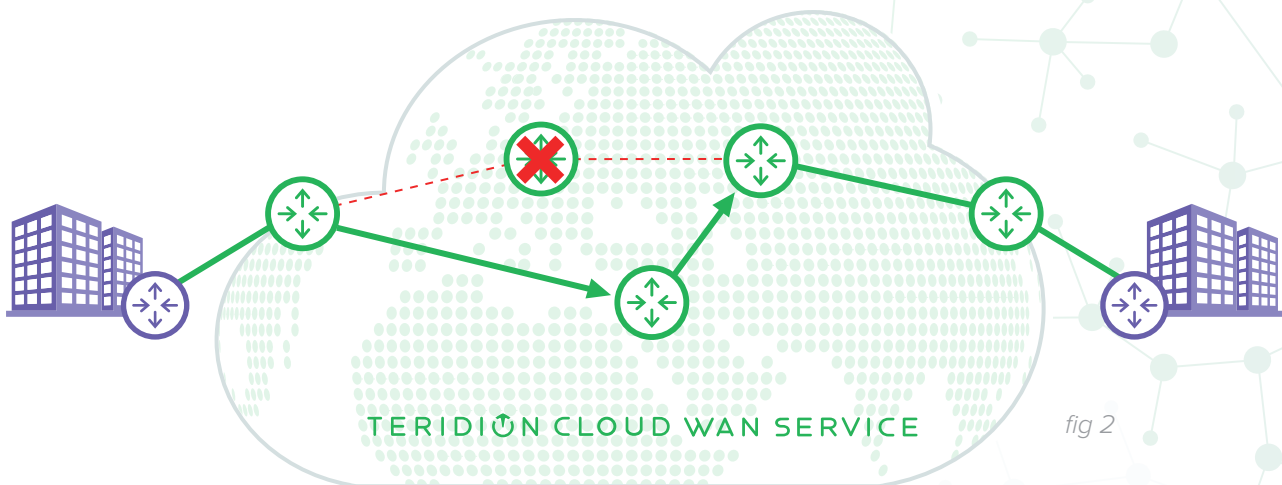
High Availability

Teridion was designed as a self-healing network that is resilient to a wide range of potential outages, including problems affecting entire data centers or regions. Teridion's layers of high availability are automated and require no operational intervention.

Ingress High Availability *(fig 1)*: Teridion deploys a backup edge router for each site. In the event of an edge router malfunction, the backup router automatically receives the IP address of the primary router and traffic continues to flow.

fig 1
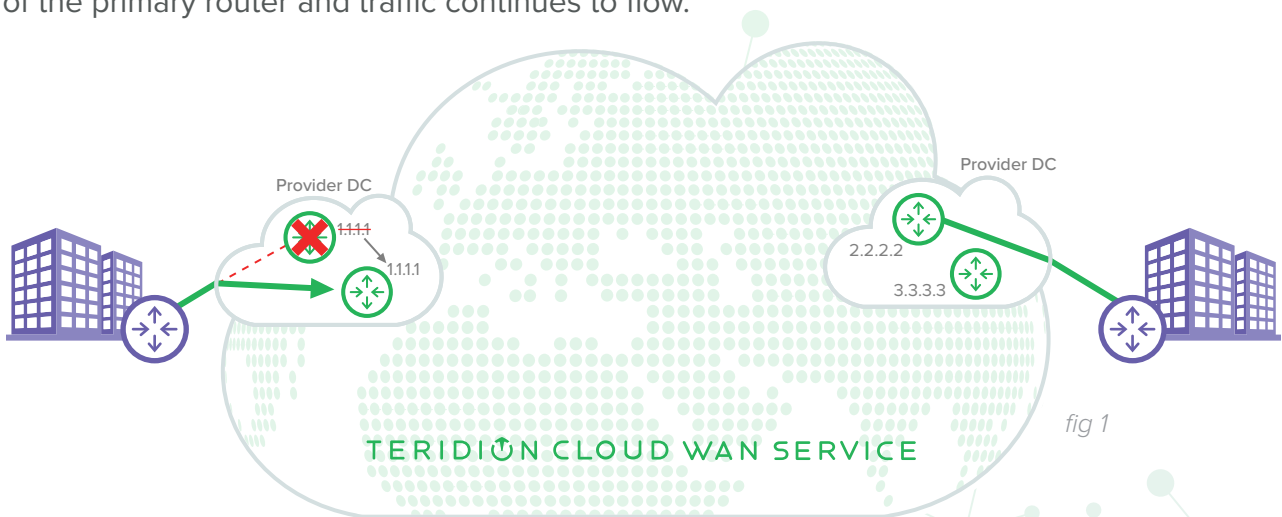
Route High Availability *(fig 2)*: Within the Teridion network, each router has a set of backup routes used if one of the routers in the optimized route fails to respond.

fig 2

Data Center High Availability *(fig 3)***:** In the rare case of an entire cloud provider data center suffering connectivity issues, Teridion provides an optional HA feature. Each customer site is connected to two different Teridion edge routers, in two different data-centers. One acts as primary, the other as backup.

fig 3
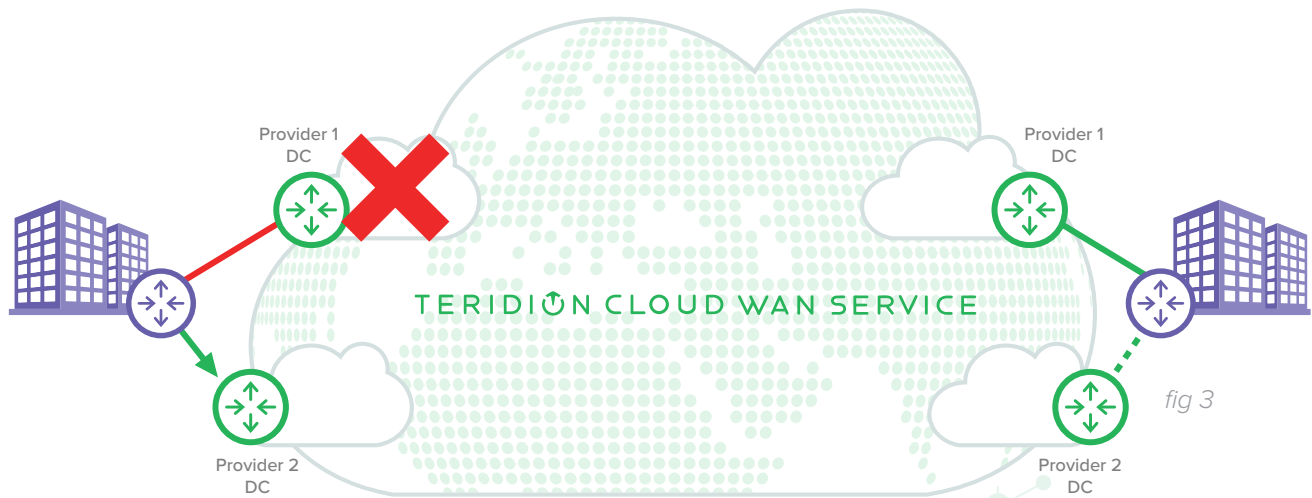
LEARN MORE

For an in-depth technical look at Teridion's architecture, take a look at our technical whitepaper.

Interested in becoming a Teridion partner? Let's talk.

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