

A decorative graphic in the top left corner shows a network of interconnected hexagons in shades of light blue and purple, representing a network structure.

# IP Bandwidth

**Burstable bandwidth and automated protection to optimize your network performance**

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Flexential's IP Bandwidth Service is one of the three reliable, easy-to-use and flexible network service offerings that make up Flexential Interconnection, a comprehensive suite of interconnection services designed to work together seamlessly.

Scalable from 10 megabits per second (Mbps) up to 40 gigabits per second (Gbps) across all Flexential locations, the Flexential IP bandwidth service enables you to seamlessly manage peak traffic and workload demands. The service is built on a blend of carriers to deliver resilient, geo-diverse connections to maximize uptime.

## Automated DDoS Protection

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Distributed denial of service (DDoS) attacks are targeting organizations with direct internet connections, posing a risk for significant business disruptions. According to the Cisco VNI Global IP Traffic Forecast, 2016 – 2021, the number of DDoS attacks greater than 1 gigabyte (GB)—enough to take most organizations completely offline—grew 172% in 2016 and will increase 2.5-fold to 3.1 million by 2021.

The Flexential IP bandwidth service is just one of the reliable, easy-to-use and flexible network service offerings that make up Flexential Interconnection, a comprehensive suite of interconnection services designed to work together seamlessly.

Leveraging a premium blend of top global providers, the Flexential IP Bandwidth service includes automated, distributed DDoS mitigation. This proprietary service monitors your bandwidth 24/7 for Layer 3 and Layer 4 volumetric attacks over 1 GB in size up to 2 terabytes (TB). When the Flexential system detects a threat, it automatically redirects traffic by scrubbing and discarding malicious traffic while returning clean traffic.

The Flexential IP Bandwidth Service is just one of the reliable, easy-to-use and flexible network service offerings that make up Flexential Interconnection, a comprehensive suite of interconnection services designed to work together seamlessly.



“The preparation of the Flexential team and deep understanding of what we needed was a huge factor in selecting its Salt Lake City data center. Flexential is not only providing the foundation for our data center solution, but also willing to fully commit itself as a partner on Grand Canyon University’s core needs.”

**Mike Lacrosse**  
SENIOR DIRECTOR OF TECHNOLOGY  
Grand Canyon University

## Quick Facts

- Bandwidth options ranging from 10 Mbps to 40 Gbps
- 95th percentile burstable bandwidth billing options
- Support natively IPv4/IPv6
- Bandwidth utilization reporting
- Border gateway protocol options
- 24/7 proactive network monitoring
- Volumetric DDoS Mitigation at Layer 3 and Layer 4
- Continuous monitoring with advanced traffic engineering

## Benefits

- Gain round-the-clock monitoring from a team of network backbone engineers.
- Choose burstable bandwidth to scale as needed or fixed services for predictable monthly expenses.
- Reduce exposure to cyber threats through built-in DDoS protection.
- Achieve real-time visibility into bandwidth use with the Flexential portal.