



“You can load balance across as many different ISPs as you need. You’re not married to one ISP. And if one should go under, you’re fine. Nobody else even knows.”

Salvatore Rannazzisi, Global Network Architect, Organon

Take Control of Multiple ISP Connections

Key benefits:

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| <ul style="list-style-type: none">· Eliminate downtime caused by link and ISP failures | <ul style="list-style-type: none">· Improve application performance and ensure users always have the best available connection | <ul style="list-style-type: none">· Control ISP costs by optimizing bandwidth usage regardless of link type |
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Your ISP connections are your link to the outside world. Having multiple connections increases availability and performance, but managing multiple links can be difficult.

BIG-IP® Link Controller™ puts the management of these links under your control. It monitors the performance and availability of each link and dynamically directs connections—both inbound and outbound—over the best possible link. It also improves application performance by prioritizing and optimizing traffic. BIG-IP Link Controller gives you tools to direct traffic over the most cost-effective connections first so you can keep your ISP costs at a minimum.

The result is more effective use of multiple ISP connections, for greater reliability, better performance, and lower costs.

Eliminate downtime

BIG-IP Link Controller ensures that internal users and external customers always have a connection. It monitors the health and availability of each connection, detecting link and ISP outages. If a problem is detected, BIG-IP Link Controller dynamically directs traffic to other available links.

Improve application performance

Using round-trip time, user location, and line quality calculations, BIG-IP Link Controller directs users to the connection that will provide the best service. You can use rate shaping to configure which applications have priority to make sure your critical applications are always connected. TCP optimizations and optional compression give you the ability to use your WAN links more efficiently.

Control ISP costs

Regardless of the link type, BIG-IP Link Controller can aggregate inexpensive links to provide a fully redundant, high-bandwidth connection. You can define how your ISPs bill for bandwidth and create policies to direct users in the most cost-effective way. This enables you to get the most from your bandwidth regardless of ISP or link type.

BIG-IP Link Controller Features

- Automatic link failover
- Link load balancing
- Topology-based routing
- Comprehensive link monitoring
- Aggregate monitors
- TCP optimization
- Rate shaping
- IPv6 support
- Intelligent SNAT
- iRules™ scripting language
- Intelligent compression (option)

Learn more about BIG-IP Link Controller

For more information about BIG-IP Link Controller, use the search function on F5.com to find these resources.

Datasheet

[BIG-IP Link Controller](#)

White paper

[Conquering Multi-Homed ISP Link Challenges](#)

Case studies

[Organon Uses BIG-IP Link Controller for ISP Load Balancing](#)

[PDXLAN 6 Cuts Monthly Bandwidth Bills, Reduces Setup Costs by \\$12,000](#)

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