

BIG-IP Local Traffic Manager

PRODUCT OVERVIEW



“With BIG-IP LTM, we get all the functionality we need to optimize performance, while avoiding all kinds of capital and operating expenses.”

Tom Putnam, Operations Manager, MSN Games

Make Your Network an Agile Infrastructure for Application Delivery

Key benefits:

- Plan for growth and avoid downtime
- Accelerate your applications up to 3x

- Secure your applications and data
- Reduce server load, bandwidth usage, and related costs

- Get full control of application traffic to handle changing business, infrastructure, and application demands

Your network’s job is to deliver applications and services, but as your business needs change and grow, it becomes more complex and more expensive for your infrastructure to keep up with these demands.

BIG-IP® Local Traffic Manager™ (LTM) turns your network into an agile infrastructure for application delivery. It’s a full proxy between users and application servers, creating a layer of abstraction to secure, optimize, and load balance application traffic. This gives you the control to add servers easily, eliminate downtime, improve application performance, and meet your security requirements.

Plan for growth and avoid downtime

With BIG-IP LTM, you get the industry's most advanced load balancing and application health monitoring capabilities. BIG-IP LTM enables you to seamlessly add physical or virtual servers and redirect traffic away from issues with specific servers or network components. Industry-leading performance ensures your business has room to grow.

Accelerate your applications up to 3x

BIG-IP LTM reduces traffic volumes and minimizes the effect of client connection bottlenecks as well as WAN, LAN, and Internet latency to improve application performance up to 3x. You can achieve additional application performance increases with BIG-IP WebAccelerator.

Secure your applications and data

From powerful network and protocol-level security to application attack filtering, BIG-IP LTM deploys a suite of security services to protect your most precious resources—the applications that run your business. Protocol, message, and application firewall add-on modules offer advanced security.

Reduce servers, bandwidth, and management costs

Advanced TCP connection management, TCP optimization, and server offloading enable you to optimize the utilization of your existing infrastructure—tripling server capacity and reducing bandwidth costs by up to 80 percent. BIG-IP LTM helps you simplify system management by consolidating security, acceleration, and

availability in one easy-to-manage platform. By using fewer servers, less bandwidth, less power, and less cooling, while reducing the time spent time managing your infrastructure, you can significantly reduce your operational costs.

Take control over application delivery

The F5 TMOS™ platform gives you complete control of the connection, packets, and payload for applications. Using F5's event-driven iRules™, you can customize how you intercept, inspect, transform, and direct inbound and outbound application traffic. The F5 iControl® API makes it easy to integrate with third-party management systems.

BIG-IP LTM Features

- Comprehensive load balancing
 - TCP optimization
 - HTTP server offload (request multiplexing)
 - IPv6 Gateway™
 - Application connection persistence
 - Customized health monitoring
 - In-band server health monitoring
 - Hardware accelerated SSL offload
 - Advanced application switching
 - Stateful failover
 - Performance dashboard
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- HTTP compression
 - L7 QoS Rate Shaping™
 - HTTP caching
 - WAN Application Delivery Services
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- iRules
 - iControl

- Web-based management GUI
- Response error handling
- HTTP header sanitization
- Application attack filtering
- DoS attack and SYN flood protection
- Basic firewall – packet filtering

Add-On Modules

- Application Security Manager™
- WebAccelerator™
- Global Traffic Manager™
- Link Controller™
- Protocol Security Module™
- Message Security Module™
- Advanced Client Authentication™
- Advanced Routing™

Learn more about BIG-IP LTM

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

Datasheets

[BIG-IP® Local Traffic Manager™](#)

[BIG-IP® Add-On Modules](#)

[BIG-IP® Product Family Hardware](#)

White Paper

[Load Balancing 101: The Evolution to Application Delivery Controllers](#)

Case Study

[MSN Games Portal Saves Over \\$600,000 In Annual Costs](#)

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