



BIG-IP APM is available as an add-on module for BIG-IP® Local Traffic Manager™ or delivered in BIG-IP® Edge Gateway.™

## Take a Flexible and Adaptable Approach to Application Delivery

F5 BIG-IP devices work on a modular system, so you can add new functions as necessary to quickly adapt to changing application and business needs. The following modules are available for the BIG-IP system.

### BIG-IP Access Policy Manager

BIG-IP® Access Policy Manager™ (APM) is a flexible, high-performance access and security solution that provides unified global access to your applications and network. By converging and consolidating remote access, LAN access, and wireless connections within a single management interface, and providing easy-to-manage access policies, BIG-IP APM can help you free up valuable IT resources and scale cost-effectively.

#### Key benefits

##### Provide unified global access

Consolidate remote access, LAN access, and wireless connections in one interface.

##### Consolidate and simplify

Replace web access proxy tiers and integrate with OAM, XenApp, and Exchange to reduce infrastructure and management costs.

##### Centralize access control

Gain a simplified, central point of control to manage access to applications by dynamically enforcing context-aware policies.

##### Ensure superior security

Protect your organization from data loss, virus infection, and rogue device access with comprehensive endpoint capabilities.

##### Obtain flexibility, high performance, and scalability

Support all of your users easily, quickly, and cost-effectively.

BIG-IP ASM is available as an add-on module for BIG-IP Local Traffic Manager or as a standalone system.

## BIG-IP Application Security Manager

BIG-IP® Application Security Manager™ (ASM) is a flexible web application firewall that secures web applications in physical, virtual, and cloud environments. BIG-IP ASM provides unmatched application and website protection, a complete attack expert system, and compliance for key regulatory mandates—all on a platform that consolidates application delivery with network and application access and optimization.

### Key benefits

#### Ensure app security and availability

Get comprehensive attack protection from L7 DDoS, SQL injection, and OWASP Top Ten, and secure the latest interactive JSON payloads and AJAX applications.

#### Reduce costs and enable compliance

Achieve security standards compliance with built-in application protection.

#### Get out-of-the-box app security policies

Provide protection with pre-built rapid deployment policies and minimal configuration.

#### Improve app security and performance

Enable advanced application security while accelerating performance and improving cost effectiveness.

#### Deploy flexibly and increase agility

Focus on fast application development and flexible deployment in virtual and cloud environments with automatic security policies.

BIG-IP GTM is available as an add-on module for BIG-IP Local Traffic Manager, as a standalone system, or as a virtual edition.

## BIG-IP Global Traffic Manager

BIG-IP® Global Traffic Manager™ (GTM) provides a smarter way to respond to DNS queries than simple load balancing among data centers. BIG-IP GTM distributes user application requests based on business policies, data center and network conditions, user location, and application performance. BIG-IP GTM scales DNS responses geographically among devices to survive DDoS attacks or volume spikes, and ensures global application high availability. This gives you holistic control of your global traffic to ensure better application performance, less downtime, and simplified management.

### Key benefits

#### Ensure application availability and scale DNS performance up to 10x

By ensuring that users are connected to the best site, BIG-IP GTM delivers strong multicenter application availability and dramatically scales DNS.

#### Gain control and secure global application delivery

Route users based on business, geolocation, application, and network requirements to gain flexibility and control, and ensure application availability during DDoS attacks or volume spikes.

#### Improve application performance

Send users to the site with the best application performance based on application and network conditions.

#### Deploy flexibly and manage your network simply and efficiently

BIG-IP GTM Virtual Edition (VE) delivers flexible global application management in virtual deployments. Multiple management tools give you complete visibility and control.

BIG-IP Link Controller is available as an add-on module for BIG-IP Local Traffic Manager or as a standalone system.

BIG-IP MSM is available as an add-on module for BIG-IP Local Traffic Manager.

## BIG-IP Link Controller

Your ISP connections are your link to the outside world. Having multiple connections can increase 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 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 the 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 higher reliability, better performance, and lower costs.

### Key benefits

#### Eliminate downtime caused by link and ISP failures

Monitor the health and availability of each connection to dynamically direct users around ISP outages.

#### Control ISP costs

Aggregate inexpensive links and create policies to control your bandwidth costs.

#### Improve application performance

Route users over the best link and optimize the connection to provide the best application experience.

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## BIG-IP Message Security Module

BIG-IP® Message Security Module™ (MSM) is the industry's first reputation-based, network edge security module. Leveraging data from McAfee's TrustedSource™ multi-identity reputation engine, BIG-IP MSM extends protection for enterprise email to the edge of the corporate network—providing an extremely powerful and efficient tool for dealing with the growing volume of unwanted email.

### Key benefits

#### Drastically reduce unwanted email

BIG-IP MSM eliminates up to 70 percent of unwanted email at the edge of the network—before it gets through the firewall—increasing the capacity of existing anti-spam solutions.

#### Reduce overall infrastructure costs

By eliminating unwanted email before it reaches your infrastructure, BIG-IP MSM enables you to reduce bandwidth expenditures, use fewer server resources, and reduce business continuity risks.

#### Base policies on real-time lookup of sender reputation

Going far beyond blocking “bad” emails, BIG-IP MSM gives you the ability to set up sophisticated message distribution policies based on sender reputation.

BIG-IP PSM is available as an add-on module for BIG-IP Local Traffic Manager.

## BIG-IP Protocol Security Module

BIG-IP® Protocol Security Module™ (PSM) provides powerful security services for HTTP(s), SMTP, and FTP at BIG-IP system speed. BIG-IP PSM is perfect for environments that require more than layer 3 and layer 4 inspection services, where the expertise and management overhead needed to deploy a full-featured web application firewall isn't possible, or where there is a need to secure other protocols. Protocol enforcement services can be implemented on a per-virtual-server basis and configured within a matter of minutes.

### Key benefits

#### Broad protection from HTTP attacks

Safeguard your brand by filtering out attacks related to web server vulnerability, request smuggling, buffer overflow, and command injection and masking sensitive data.

#### Centralized FTP security management

With centralized configuration of FTP servers, BIG-IP PSM provides simplified security management and comprehensive FTP security.

#### Spam-blocking SMTP security

BIG-IP PSM stops spam at the perimeter by performing DNS checks and blocking dangerous SMTP commands.

BIG-IP WOM is available as an add-on module for BIG-IP Local Traffic Manager, as a standalone system, or as a virtual edition.

## BIG-IP WAN Optimization Manager

BIG-IP® WAN Optimization Manager™ (WOM) overcomes network and application issues on the WAN to ensure that application performance, data replication, and disaster recovery requirements are met. BIG-IP WOM can dramatically reduce data replication times and enable more efficient use of your existing bandwidth. These services are available as an add-on module on your F5 BIG-IP® Local Traffic Manager™ device or as a standalone appliance or virtual edition.

### Key benefits

#### Accelerate and encrypt WAN traffic between data centers

Optimize and secure data traffic between data centers.

#### Accelerate application and replication performance

Achieve faster file transfers, Microsoft Exchange mailbox replication, database backup, VM live migration, data replication, and more. Meet stringent disaster RPO and RTO objectives.

#### Reduce server and bandwidth usage

Save with TCP optimization, data deduplication, adaptive compression, and SSL offloading.

#### Consolidate WAN optimization and application delivery

Save on hardware costs, rack space, and energy consumption as well as management resources with consolidated services.

#### Prioritize bandwidth

Manage traffic and prioritize bandwidth to ensure that critical applications (such as replication) across the WAN get the fastest performance.

BIG-IP WebAccelerator is available as an add-on module for BIG-IP Local Traffic Manager or as a standalone system.

## BIG-IP WebAccelerator

BIG-IP® WebAccelerator™ gives your users an instant improvement in web application performance and helps you reduce costs. By offloading your network and servers, BIG-IP WebAccelerator decreases your spending on additional bandwidth and hardware. Users get fast access to applications, and you gain greater revenue and free up IT resources for other strategic projects.

### Key benefits

#### Improve user experience and revenue

Reduce frustration for employees and consumers using your site with fast apps, and pave the way for higher productivity and sales.

#### Deploy according to your business needs

Improve asymmetric deployment performance by 2x to 5x, and symmetric deployment by up to 10x.

#### Reduce costs

Reduce the number of application servers required with SSL offload, compression offload, and caching—and save both CapEx and OpEx.

#### Optimize server and bandwidth usage

Extend server capacity and reduce bandwidth usage to improve performance and reduce costs.

#### Simplify deployment and management

Use pre-defined policies for apps such as Microsoft SharePoint, Oracle Portal, SAP Portal, Oracle E-business Suite 11 and 12, Oracle Siebel CRM, and more to simplify configuration.

## F5 Services

F5 Services offers world-class support, training, and consulting to help you get the most from your F5 investment. Whether it's providing fast answers to questions, training internal teams, or handling entire implementations from design to deployment, F5 Services can help you achieve IT agility. For more information about F5 Services, contact [consulting@f5.com](mailto:consulting@f5.com) or visit [f5.com/services](http://f5.com/services).

## More Information

To learn more about BIG-IP Modules, use the search function on [f5.com](http://f5.com) to find these and other resources.

### Datasheets

[BIG-IP Access Policy Manager](#)

[BIG-IP Application Security Manager](#)

[BIG-IP Global Traffic Manager](#)

[BIG-IP Link Controller](#)

[BIG-IP WAN Optimization Manager](#)

[BIG-IP WebAccelerator](#)

### White papers

[Unified Application and Data Delivery](#)

[TMOS: Redefining the Solution](#)

[F5 iApps: Moving Application Delivery Beyond the Network](#)

[The F5 Dynamic Services Model](#)

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