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 Application Security Manager

As more application traffic moves over the web, more data is exposed to security vulnerabilities and attacks at the application layer. BIG-IP® Application Security Manager™ (ASM) is an advanced web application firewall that significantly reduces and mitigates the risk of loss or damage to data, intellectual property, and web applications. BIG-IP ASM provides end-to-end application protection, advanced monitoring, and centralized reporting, and it addresses key regulatory mandates.

The result is the industry’s most comprehensive web application security and application integrity solution.

Key Benefits

Ensure application availability
Get comprehensive attack prevention from layer 7 DoS and brute force attacks, dangerous FTP and SMTP commands, and more.

Handle threats with greater agility
Focus on fast application development and deployment with automatic security policies.

Reduce costs and enable compliance
Achieve security standards compliance with built-in application security protection.

Get out-of-the-box application security policies
Provide protection with pre-built, rapid deployment policies and minimal configuration.

Improve app security and performance
Enable advanced application protection while increasing performance and cost effectiveness with app security and acceleration.
BIG-IP Global Traffic Manager

Deploying multiple data centers is a big step toward protecting your business from site outages and improving application performance. But to fully achieve these goals, your organization needs an efficient way to monitor infrastructure and application health, and to control your distributed infrastructure.

BIG-IP® Global Traffic Manager™ (GTM) provides a more intelligent way to respond to DNS queries than simple load balancing among multiple data centers. BIG-IP GTM distributes user application requests based on business policies, data center conditions, network conditions, and application performance, giving you holistic control of your global traffic to ensure high availability and maximum application performance.

**Key Benefits**

- Ensure application availability across multiple data centers
  By ensuring that users are connected to the best site, BIG-IP GTM can help you create a strong disaster recovery and business continuity plan.

- Take control of global app delivery
  Route users based on business, application, and network requirements, giving you flexibility and control over application delivery.

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

- Manage your complex distributed network simply and efficiently
  Multiple management tools, including a streamlined GUI and powerful command line interface, give you complete visibility and a single point of control for all of your resources.

BIG-IP Link Controller

BIG-IP® Link Controller™ gives you control of your multiple ISP links. It monitors the performance and availability of each link and directs connections—both inbound and outbound—over the best possible link. BIG-IP Link Controller improves application performance by prioritizing and optimizing traffic and reducing bandwidth consumption with TCP optimizations. In addition, it gives you the tools to direct traffic over the most cost-effective connections first, helping to 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 failures
  Monitor the health and availability of each connection to dynamically direct users around ISP outages.

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

- Control ISP costs
  Aggregate inexpensive links and create policies to control your bandwidth costs.
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 Secure Computing’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.

- **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.

- **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.

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 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.

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

- **Centralized FTP security management**
  With centralized configuration of FTP servers, BIG-IP PSM provides simplified security management and comprehensive FTP security.
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 new hardware. Users get fast access to applications, and you gain greater ability to focus IT resources on projects that drive your organization’s business objectives.

**Key Benefits**

**Accelerate applications 2x to 10x**  
Spend less time worrying about frustrated users and more on projects that support strategic business decisions.

**Deploy according to your business needs**  
Improve asymmetric deployment performance by 2x to 5x, and symmetric deployment by up to 10x.

**Save with SSL acceleration**  
Reduce server processor utilization by up to 50 percent.

**Optimize server and bandwidth usage**  
Extend server capacity and reduce bandwidth usage.

**Simplify deployment and management**  
Use pre-defined policies to simplify configuration for apps such as Microsoft SharePoint, Oracle Portal, SAP ERP, and more.

**More Information**

Visit these resources on F5.com to learn more about BIG-IP modules.

**Datasheets**

BIG-IP Application Security Manager  
BIG-IP Global Traffic Manager  
BIG-IP Link Controller  
BIG-IP WebAccelerator

**White papers**

Unified Application and Data Delivery  
TMOS: Redefining the Solution