



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.

F5 BIG-IP® Local Traffic Manager™ (LTM) helps you deliver your applications to users in a reliable, secure, and optimized way. By making intelligent traffic decisions that adapt to the changing demands of your applications, BIG-IP LTM ensures their consistent availability and scalability. With BIG-IP LTM, you have the power to simplify, automate, and customize applications faster and more predictably.

The following modules are available for the BIG-IP system, including BIG-IP LTM.



BIG-IP APM is available on the BIG-IP platform as a standalone product, a virtual edition, or as an add-on module for BIG-IP Local Traffic Manager.

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

Enable BYOD, identity federation, secure accelerated remote access, secure web gateway, virtual desktop infrastructure (VDI), Exchange migration, SharePoint deployments, and web access management.

Consolidate and simplify

Replace web access proxy tiers and integrate with OAM, XenApp, Exchange, and VMware View 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 AFM is available on the BIG-IP platform as part of the application delivery firewall solution bundles, a virtual edition, or as an add-on module for BIG-IP Local Traffic Manager.

BIG-IP Advanced Firewall Manager

F5 BIG-IP® Advanced Firewall Manager™ (AFM) is a high-performance, stateful, full-proxy network firewall designed to guard data centers against incoming threats that enter the network on the most widely deployed protocols—including HTTP/S, SMTP, DNS, and FTP. By aligning firewall policies with the applications they protect, BIG-IP AFM streamlines application deployment, security, and monitoring. With its scalability, security, and simplicity, BIG-IP AFM forms the core of the F5 application delivery firewall solution.

Key benefits

Scale to meet network demand

Meet demanding data center scalability needs with a solution built on top of F5's proven TMOS® architecture, hardware systems, and virtual editions.

Protect with a full-proxy firewall

Terminate incoming client connections and inspect them for security threats, before forwarding them on to the server.

Streamline firewall deployment

Simplify security configuration with firewall policies oriented around the applications themselves—and speed up app deployment.

Customize reporting for visibility

Log events at high speeds and define per-application logging configuration, allowing flexibility in log destinations and information logged.

Inspect SSL sessions

Fully terminate SSL connections to identify potentially hidden attacks—and do this at high scale and high throughput.

Ensure application availability

Provide protection against 38 DoS vectors to ensure application availability, with detailed visibility into attack conditions. For certain platforms, SYN flood protection is handled in the hardware.



BIG-IP AAM is available on the BIG-IP platform as a standalone product, a virtual edition, or as an add-on module for BIG-IP Local Traffic Manager.

BIG-IP Application Acceleration Manager

F5 BIG-IP® Application Acceleration Manager™ (AAM) combines the application delivery features previously available in BIG-IP® WAN Optimization Manager™ (WOM) and BIG-IP® WebAccelerator™. BIG-IP AAM overcomes network, protocol, and application issues to help you meet application performance, data replication, and disaster recovery requirements presented by cloud, mobile applications, and video distribution. By offloading your network and servers, BIG-IP AAM decreases the need for 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 the user experience

Improve end user experience through multiple optimization technologies applied at all layers of the application delivery chain.

Optimize data center efficiency

Consolidate devices and services to deliver optimized apps. Reduce the application load from servers and the network by offloading CPU-intensive processing tasks.

Streamline Application Delivery Optimization

Quickly support and optimize legacy and emerging protocols/standards (SPDY, FTP, UDP, HLS). Optimize delivery of any application content to any device without recoding apps.



BIG-IP ASM is available on the BIG-IP platform as a standalone product, a virtual edition, or as an add-on module for BIG-IP Local Traffic Manager.

BIG-IP Application Security Manager

BIG-IP® Application Security Manager™ (ASM) is a flexible web application firewall that secures web applications in traditional, virtual, and private cloud environments. BIG-IP ASM provides unmatched application and website protection, complete information about attacks from within the user interface, and compliance for key regulatory mandates. BIG-IP ASM is a key part of the F5 application delivery firewall solution, which consolidates traffic management, network firewall, application access, DDoS protection, SSL inspection, and DNS security.

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 on the BIG-IP platform as a standalone product, a virtual edition, or as an add-on module for BIG-IP Local Traffic Manager.

BIG-IP Global Traffic Manager

F5 BIG-IP® Global Traffic Manager™ (GTM) distributes DNS and user application requests based on business policies, data center and network conditions, user location, and application performance. BIG-IP GTM delivers F5's high-performance DNS Services with visibility, reporting, and analysis; scales and secures DNS responses geographically to survive DDoS attacks; delivers a complete, real-time DNSSEC solution; and ensures global application high availability.

Key benefits

Scale DNS to more than 10 million RPS with a fully-loaded chassis

BIG-IP GTM dramatically scales DNS to more than 10 million query RPS and controls DNS traffic. It ensures that users are connected to the best site, and delivers On-Demand Scaling for DNS and global apps.

Gain control and secure global application delivery

Route users based on business, geolocation, application, and network requirements to gain flexibility and control. Also ensure application availability during DNS 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, scale as you grow, and manage your network efficiently

BIG-IP GTM Virtual Edition (VE) delivers flexible global application management in virtual and cloud environments. Multiple management tools give you complete visibility and control; advanced logging, statistics and reporting; and a single point of control for your DNS and global app delivery resources.



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

BIG-IP PSM is included with both BIG-IP Advanced Firewall Manager and BIG-IP Application Security 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.

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.

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 or visit f5.com/services.

More Information

To learn more about BIG-IP Modules, use the search function on f5.com to find these and other resources.

Datasheets

[BIG-IP Access Policy Manager](#)

[BIG-IP Advanced Firewall Manager](#)

[BIG-IP Application Acceleration Manager](#)

[BIG-IP Application Security Manager](#)

[BIG-IP Global Traffic Manager](#)

[BIG-IP Link Controller](#)

[BIG-IP Local Traffic Manager](#)

White papers

[Unified Application and Data Delivery](#)

[TMOS: Redefining the Solution](#)

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

[The F5 Dynamic Services Model](#)

[A New Firewall for the Data Center](#)

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