



## BIG-IP® Blade Controller software for



**ProLiant BL e-Class**

The essential component for providing high availability, scale, security and performance for services and applications running on HP blade server technology.

### Key Features & Benefits:

- Highest performing, cost-effective local traffic management for servers, caches, firewalls, VPN gateways, and other specialized devices deployed in blade servers
- Permits cost-effective horizontal scaling of applications through the purchase of additional server blades
- Advanced processing to make swift and intelligent Layer 7 decisions - optimizing performance and QoS
- Optional SSL Accelerator secures web applications and services without degrading performance
- Intelligent use of client-side SSL certificates provides improved security for web applications and services
- Support for all IP-based applications – HTTP, HTTPS, IPsec, FTP, SMTP, SIP, and others
- Fully supports traffic management for HTTP 1.1 using Keep Alives - F5's unique OneConnect™ Content switching reduces bandwidth cost by up to 20% and increases blade server throughput
- iControl enabled - iControl is the industry's first open application program interface (API) for a comprehensive suite of Internet traffic and content management products that integrate with major applications

### Load Balancing Features:

- Full stateful session failover
- Static and Dynamic load balancing modes to maximize diverse server platforms and applications
- Easy to install and manage
- Configuration wizards for reducing errors and guiding setup
- AnyIP load balancing for optimizing nearly all IP-based traffic
- Smart Content Determination - routes requests for content to appropriate device
- Content Affinity for load balancing cache servers
- Rich and flexible VLAN support
- Deep, flexible application health monitoring
- Application persistence to ensure transaction integrity

As companies continue to web-enable their core enterprise applications, the need for high availability, scale, security, performance optimization, and easy management for IP applications has intensified.

Blade servers – modular, rack-optimized platforms – are helping to accommodate this build-out. These ultra-dense, servers-on-a-board, interconnected in a single chassis and stacked within a rack, provide new economies of scale in computing while reducing power requirements, saving space, and improving hardware management.

However, in order to harness and realize blade servers' true potential, companies also require a solution that can easily unify the independent application and server resources and present them as one. BIG-IP Blade Controller software is the solution. Combining ProLiant BL e-Class blade server technology with BIG-IP provides a highly scaleable and unified computing platform for the successful delivery of web applications, while ensuring that the blade servers and applications are always available, secure, and performing optimally.

### BIG-IP Makes Blade Servers Better

Through intelligent traffic management, BIG-IP software makes blade servers perform better. It ties the individual blades together to create a flexible and powerful computing platform for the applications that are running on them. BIG-IP can then recognize individual server and application performance and direct IP traffic to the most optimal server or application.

### Tying It All Together

Through its virtualization capabilities, BIG-IP software optimizes how different blades work together and simplifies management by allowing the customer to view them as a single device – as well as combining standard layer 2-3 networking and innovative layer 4-7 traffic management to significantly increase blade server, application and network capacities.

### Traffic Management and Load Balancing

BIG-IP software's comprehensive traffic management and load balancing capabilities intercept, inspect, transform and direct IP-traffic to most optimal resource (server/application) at any given moment in time. The result is high availability, reliability, and scalability

for web applications and services running within the blade server.

### Virtual Servers

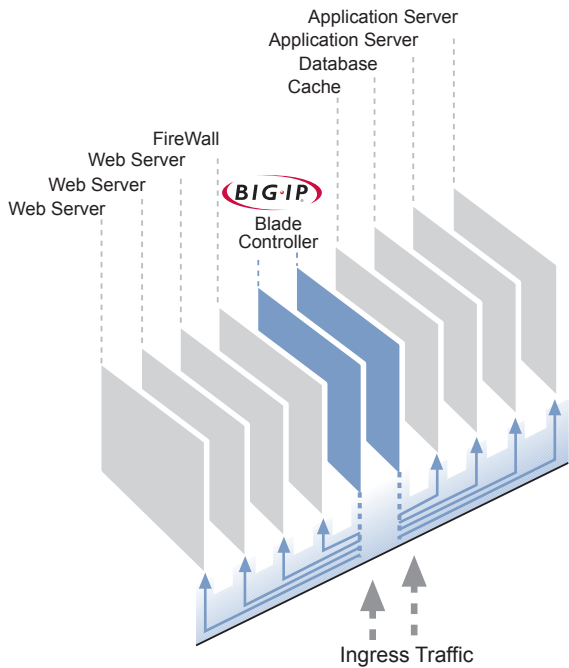
BIG-IP software presents multiple resources, both servers and applications, as one unifying server blade ecosystem. The number of resources that can be unified is unlimited. This functionality is accomplished through the use of Virtual Servers, Virtual IPs, and Pools of resources.

### Application Health Monitoring

BIG-IP software includes intelligent application and content health monitoring that automatically checks all sites for content availability, and verifies that an application is responding properly before sending traffic to it – resulting in unparalleled reliability that also prevents lost revenue and unnecessary support calls.

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**BIG-IP® intercepts, inspects, transforms, and directs all IP based traffic to the most appropriate application or resource depending on:**

- Performance
- Availability
- Security
- Reliability of the server blades or applications

— Load Balancing and IP Traffic Management

### Security

Innovative security technologies provide an additional layer of defensive measures against hackers, viruses and worms. Security features include SSL support, certificate management and authentication, firewall load balancing, and protection against DOS, dDOS, Synfloods, Code Red, and NIMBDA.

### iControl Open Standards-Based API

BIG-IP software, along with all of F5's products, includes an open application programming interface (API) and software development kit (SDK) that allows servers and applications to interact with and influence the behavior of load balancing and IP traffic management. This creates a complete "application-aware" network – providing even greater administrative savings, higher levels of availability, and even greater security.

### Award-Winning, Proven Technology

F5 Networks' BIG-IP Blade Controller software is the same as the software found on F5's IP Application Switches and IP Appliances – award-winning technology trusted by over 3,500 customers, including some of the biggest enterprises, carriers and web hosting companies worldwide.

### The BIG-IP Product Family

F5 not only offers blade server software, but also delivers appliances and application switches that fully interoperate with blade server technology, providing a flexible deployment model regardless of enterprise or service provider needs.

**BIG-IP Blade Controller software provides high availability, scale, security, and performance optimization for the following applications running on blade servers:**

Apache Web Servers

Allaire/Macromedia Cold Fusion

BEA WebLogic Servers

Checkpoint Firewall I

Citrix Terminal Server

Inktomi Caches

Lotus/Domino Notes servers

.NET Enterprise Servers

-Microsoft IIS

-Microsoft ISA Server

-Microsoft MIS Server

-Microsoft Application Center 2000

-Microsoft Commerce Server

-Microsoft Exchange

-Microsoft Windows Terminal Server

Netscape Application Servers

Netscape Web Servers

Oracle 9i Application Servers

RealNetworks RealSystem Servers

...and others



HP ProLiant BL e-Class



For more information, please contact your local F5 Networks representative, or visit [www.f5.com](http://www.f5.com).

### The Leader in Internet Traffic and Content Management

**F5 Networks, Inc.**  
401 Elliott Avenue West  
Seattle, WA 98119  
  
(206) 272-5555 Voice  
(888) 88BIGIP Toll-free  
(206) 272-5556 Fax  
[www.f5.com](http://www.f5.com)  
[info@f5.com](mailto:info@f5.com)

**F5 Networks Ltd  
EMEA Headquarters**  
Clarke House  
65 High Street  
Egham  
Surrey TW20 9EY  
United Kingdom  
  
+44 (0)1784 497210 Voice  
+44 (0)1784 497211 Fax  
[emeainfo@f5.com](mailto:emeainfo@f5.com)

**F5 Networks,  
APAC Headquarters**  
6 Battery Road  
#26-04/05  
Singapore, 049909  
  
+65-533-6103 Voice  
+65-533-6106 Fax  
[info.asia@f5.com](mailto:info.asia@f5.com)

**F5 Networks,  
Japan K.K.**  
4F Pola Ebisu Building  
3-9-19 Higashi, Shibuya-ku  
Tokyo, Japan 150-0011  
  
+81-3-5766-5511 Voice  
+81-3-5766-5512 Fax  
[info@f5networks.co.jp](mailto:info@f5networks.co.jp)



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