



BIG-IP® Blade Controller software for



ProLiant BL20p-Class

The essential component for providing high availability, scale, security and performance for services and applications running on ProLiant BL20p-Class blade servers.

Key Features & Benefits:

- Highest performing, cost-effective local traffic management for servers, caches, firewalls, VPN gateways, and other specialized devices deployed on HP ProLiant BL20p blade servers.
- Simplifies horizontal scaling of applications running on BL20p's.
- Advanced processing to make swift and intelligent Layer 7 traffic management decisions - optimizing performance and QoS
- Includes 50 TPS SSL acceleration
- 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 management products that integrate with major applications

Load Balancing Features:

- Full stateful session failover between redundant BIG-IP Blade Controller blades.
- Static and Dynamic load balancing modes to maximize diverse server platforms and applications
- Easy to configure and manage
- AnyIP load balancing for optimizing nearly all IP-based traffic
- Smart Content Determination - can be configured to route requests to appropriate BL20p server and/or external devices.
- Rich and flexible VLAN support
- Advanced server, service & application health monitoring
- Application persistence to ensure session and 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 HP 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.**

Optimize Your Blade Server Environment

Through intelligent traffic management, BIG-IP Blade Controller 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 Blade Controller 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 Blade Controller software optimizes how different blades work together and simplifies management by allowing the customer to view multiple blades 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 Blade Controller software's comprehensive traffic management and load balancing capabilities intercept, inspect, transform and direct IP-traffic to the 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 inside and outside the blade server.

Virtual Servers

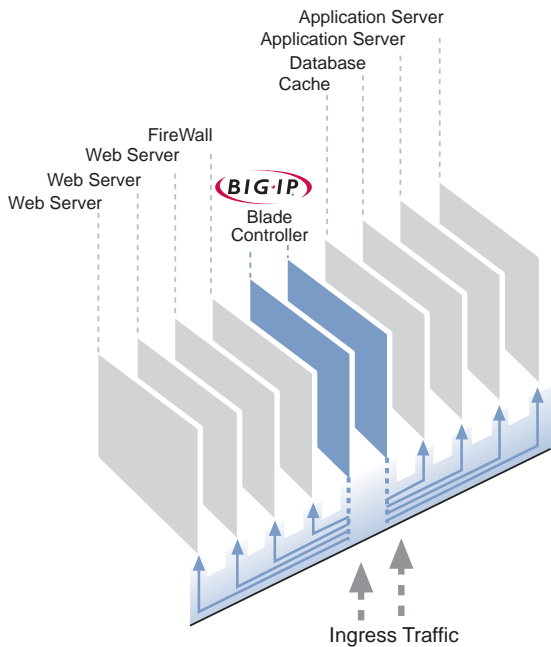
BIG-IP Blade Controller software presents multiple resources, both servers and applications, as one unifying server blade ecosystem. The number of resources that can be unified is unlimited. This functionality is accomplished through the use of Virtual Servers, Virtual IPs, and Pools of resources.

Pro-Active and Automated Health Monitoring

BIG-IP software includes intelligent application and content health monitoring that automatically checks all server blades for content availability, and verifies that an application is responding properly before

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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

sending traffic to it – resulting in unparalleled reliability that also prevents lost revenue and unnecessary support calls.

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.

Award-Winning, Proven Technology

F5 Networks' BIG-IP Blade Controller software is the same as the software found on F5-based server and switch appliances – award-winning technology trusted by over 3,500 customers, including some of the largest enterprise companies in the world.

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

Lotus/Domino Notes servers

.NET Enterprise Servers

-Microsoft Exchange

-Microsoft IIS

-Microsoft ISA Server

-Microsoft MIS Server

-Microsoft Application Center 2000

-Microsoft Commerce Server

-Microsoft Windows Terminal Server

Netscape Application Servers

Netscape Web Servers

Oracle 9i Application Servers

RealNetworks RealSystem Servers

...and others



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For more information, please contact your local F5 Networks representative, or visit www.f5.com.

The Leader in Application Traffic Management

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