



Partner Solution Brochure

Application Optimization

Dell Networking Solutions & F5

Dell and F5 Networks® have partnered to help solve the network challenges associated with a distributed and cloud based environment. F5 Networks, a leader in Application Delivery Networking,

helps increase business efficiency through the power of application acceleration and optimization. F5's technology, a component of the Dell Networking solution portfolio, is designed to optimize the network, server, and storage environments to help ensure high levels of application performance, security, and availability. An investment in Dell Networking and F5's application delivery technology will enable optimized application delivery and ensure your organization's heterogeneous audience a LAN-like experience, regardless of location, application or end-point device.

Dell and F5 have the networking solutions to help you meet the challenges of network planning, deployment, and management for the Virtual Era. Hardware, software, a spectrum of networking services, and the right mix of partners such as F5 Networks can empower you to:

- Improve performance and reduce complexity by simplifying and optimizing the network.
- Focus on the applications that help support the business by making the network more intelligent.
- Deploy a strategic solution that is flexible and scalable, and ideally positioned for future growth with an open system architecture as the foundation.

The Dell Advantage

Open and Simple

- Simplify complex operations
- Subscribe to a best-in-class approach
- Ensure freedom to choose rather than being "locked-in" to a single vendor strategy

Optimized and Automated

- Solve business issues through a holistic, solutions-based approach
- Improve infrastructure efficiency
- Automate tedious processes and free up your resources to innovate

Flexible and Agile

- Respond instantly to changing business and application needs
- Scale on demand virtually with full control
- Deploy a strategic platform for forward compatibility

Simplify Your Network; Ensure Flawless Application Delivery

Network complexity can play a major role in latency and poor application performance. By simplifying the network footprint, accelerating applications, and offloading tasks from the network & servers onto F5's BIG-IP® system, substantial improvements in application availability and responsiveness can be realized whether at headquarters, campus, branch or remote locations.

The BIG-IP product family is a system of integrated application delivery services that work together on one easy to manage platform. From load balancing, SSL offload, and web acceleration to security and access control, the BIG-IP system creates an agile infrastructure to ensure your applications are always fast, secure, and available.

The modular BIG-IP system is built on the TMOS (Traffic Management Operation System) platform, which offers tremendous flexibility, scalability and customization. You can start with one specific function to meet your current business needs and budget, and add more capacity and functionality as your application and business demands change.

Optimize the Network & Automate Processes; Improve Performance

Optimization of networking assets and automation of time-consuming and tedious tasks are critical moves to ensuring that the network can respond to sudden changes in traffic flows and new demands. Together, Dell & F5 can streamline traffic flows, automate tedious and time-consuming tasks, while reducing cumbersome processes by:

- Gaining strategic points of control wherever information is exchanged, from client devices to application servers and everywhere in between.
- Optimizing the utilization of your existing infrastructure with advanced TCP connection management, TCP optimization, and server offloading, tripling server capacity and reducing bandwidth costs by up to 80 percent.
- Support increased IT efficiency with features, such as application policy templates, dashboards, and centralized performance monitoring and management.

Flexible and Agile to Solve Today's Issues; Deploying a Strategy for the Future

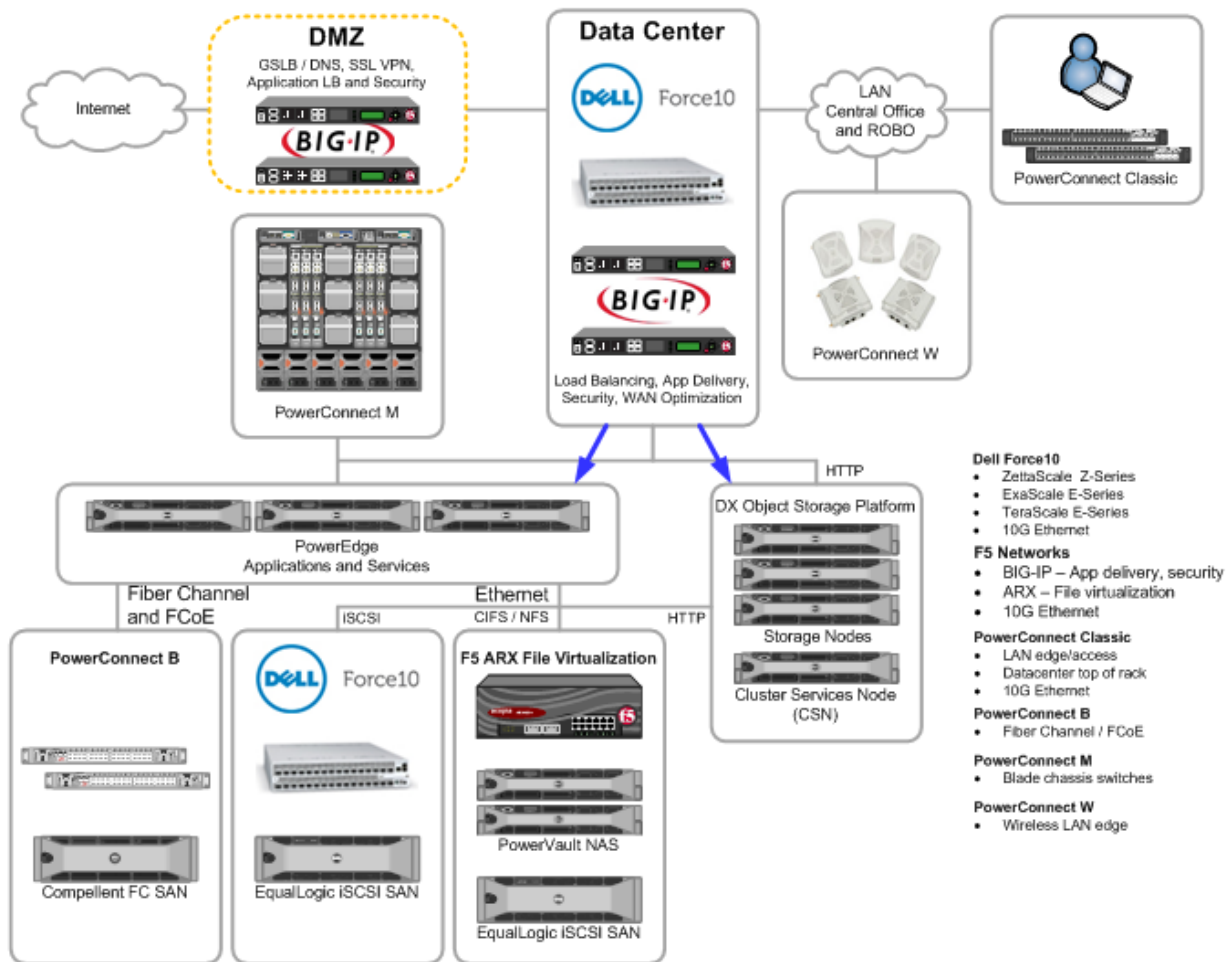
Your network's job is to deliver applications and services, but as your business needs change and grow, it becomes more complex and more expensive for your infrastructure to keep up with these demands.

BIG-IP® Local Traffic Manager™ (LTM) turns your network into an agile infrastructure for application delivery. It's a full proxy between users and application servers, creating a layer of abstraction to secure, optimize, and load balance application traffic. This can give you the control to add servers easily, eliminate downtime, improve application performance, and meet your security requirements.

Plan for Growth; Avoid Downtime

With BIG-IP LTM, you get advanced load balancing and application health monitoring capabilities.ⁱ BIG-IP LTM enables you to seamlessly add physical or virtual servers and redirect traffic away from issues with specific servers or network components. Exceptional performance ensures your business has room to grow by providing:

- ✓ A single platform to reduce infrastructure, improve performance and increase application availability and reliability;
- ✓ Encryption offload, connection reduction, and caching reduces server CPU utilization and increased scalability;
- ✓ HTTP and application-specific TCP acceleration to improve application performance and minimize global latency;
- ✓ Advanced application monitoring to improve reliability;
- ✓ Global traffic management that add intelligence to end-user performance, business continuance and disaster recovery;
- ✓ The ability to intelligently re-direct traffic based on application-specific awareness.



Learn more about F5 Networks BIG-IP

Datasheets

[BIG-IP® Local Traffic Manager™](#)

[BIG-IP® Local Traffic Manager™ VE](#)

[BIG-IP® Add-On Modules](#)

[BIG-IP® System Hardware Datasheet](#)

White paper

[Load Balancing 101: The Evolution to ADCs](#)

Joint Dell and F5 Solutions

Delltechcenter.com/page/f5

Devcentral.f5.com/dell

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Learn how to architect your network for the business ahead:

www.dellnetworking.com

ⁱ Gartner Magic Quad – ADC <http://www.f5.com/pdf/analyst-reports/gartner-magic-quadrant-adc.pdf>