Build a Dynamic Cloud Infrastructure with F5 and IBM

A cloud computing solution that optimizes performance and improves application availability

Features

- Improve user experience with design and delivery of optimized network and application solutions.
- Increase data center efficiency with network performance analysis and capacity planning.
- Reduce bandwidth, server hardware, power, and data center space requirements.
- Leverage application assessments to virtualize and consolidate data centers.
- Dramatically increase user numbers without increasing cost or servers.
- Reduce deployment time and mitigate risk by leveraging IBM global design and delivery assessments.

Deliver Reliable, Agile Web-based Services

Today's global marketplace is smaller than it ever was, with new and emerging technologies bringing businesses closer together. Data volumes are increasing at an unprecedented rate and application traffic can spike unpredictably. In spite of all of these changes, organizations still need to reduce costs while increasing efficiency in order to stay ahead of the competition and position their business for success.

Organizations need an agile infrastructure to adapt to the changes—and are looking for new solutions that will give them the flexibility they need to increase capacity, adapt to change, and stay ahead of changing regulations and technology. Cloud computing is one such solution.

Cloud computing is an emerging style of IT delivery in which applications, data, and IT resources are rapidly provisioned and provided as standardized offerings to users over the web in a flexible pricing model. It can manage large numbers of highly virtualized resources to improve scalability and help drive innovation without increasing costs.

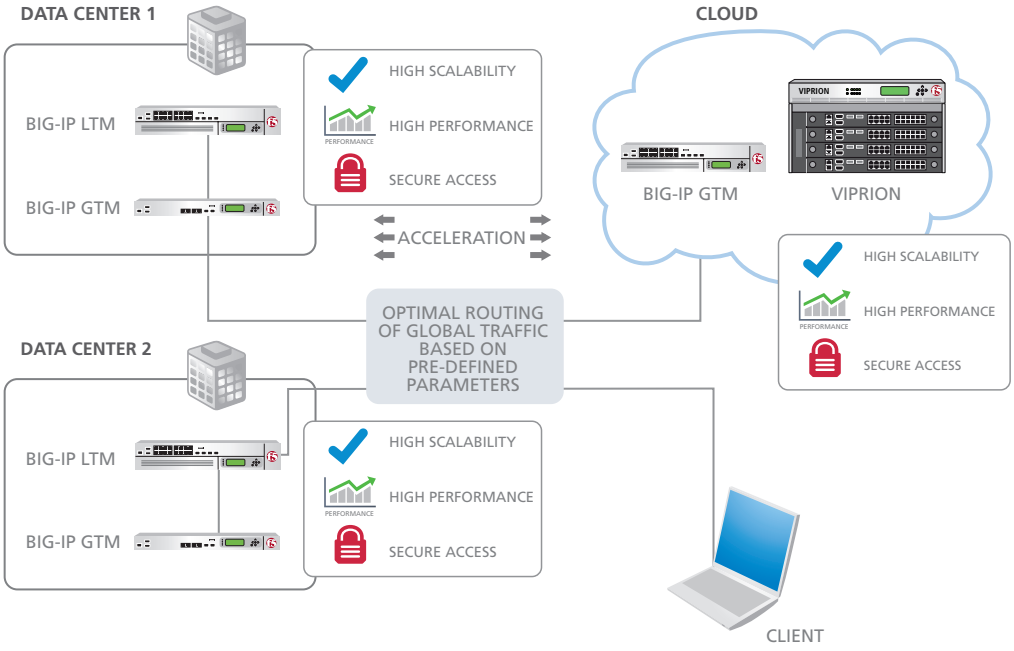
The F5 and IBM partnership brings management control, improved security, consistent performance and availability, and agility to the data center. IBM's Application Network Performance Optimization (ANPO) for cloud computing combines the benefits of proven IBM and F5 reference architectures to provide a complete, end-to-end cloud computing solution. With a flexible cloud infrastructure, organizations can better leverage their resources to react to the changing business world.

Create a Dynamic Cloud Infrastructure

F5 and IBM's integrated technologies create a dynamic infrastructure that helps move the business forward. Together, F5 and IBM can help today's enterprise organizations create an agile, flexible architecture and improve availability, user experience, business continuity, security, and cost efficiency.

IBM's ANPO for Cloud offering uses the F5 product suite to form the foundation of a next-generation dynamic infrastructure, helping companies to achieve success in fast-changing business environments. The architecture offers new ways to simplify today's complex data centers while improving performance and significantly lowering costs across the board.

ANPO, as part of IBM's Network Integration Services, helps position the network to better meet organizations' availability, performance, and security requirements. ANPO helps businesses deliver a reliable network architecture and design based on data center requirements, using proven IBM and F5 reference architectures.



Organizations and cloud providers alike can take advantage of F5® BIG-IP® Global Traffic Manager™ (GTM) to load balance traffic across multiple data centers in cases where the application may be running on both private and cloud infrastructure. F5 BIG-IP® Local Traffic Manager™ (LTM) enables organizations to retain authentication and authorization locally, when running applications in the cloud, by redirecting incoming authentication requests to the home data center.

For very large and demanding cloud environments, F5 VIPRION® is an enterprise class Application Delivery Controller, providing true network traffic management capacity on demand by allowing additional blades to be added without any manual configuration or interruption of application performance.

F5 and IBM Solutions for Cloud Computing

Maximize the benefits of cloud computing with F5

BIG-IP LOCAL TRAFFIC MANAGER

- Balances traffic to virtual servers or from virtual desktops
- Offloads processing-intensive activities like SSL termination, caching, or compression to reduce the strain on virtual machines and increase their capacity
- Includes a suite of security services that bolster network and application security
- Offers industry-leading layer 7 intelligence and many automated features for easier management

BIG-IP GLOBAL TRAFFIC MANAGER

- Directs traffic intelligently among virtual machines located at multiple data centers
- Re-directs traffic automatically in the event of a disaster at one data center
- Provides a single framework for managing all application services across multiple sites
- Routes global traffic to the closest and most logical global data center to maximize speed

BIG-IP EDGE GATEWAY

- Brings scalability to the growing mobile and remote workforce
- Improves manageability and reduce costs
- Accelerates application performance
- Increases user productivity with automatic access anywhere
- Ensures strong endpoint security

VIPRION

- Provides massive performance to meet the needs of the most demanding virtualized environments
- Allows blades to be removed and added without disrupting applications
- Includes multi-layered redundancy to reduce the likelihood of downtime

Learn more about the F5 and IBM partnership:

For more information browse through the materials below or visit the **IBM** page on **F5.com**.

- IBM Dynamic Infrastructure Ecosystem
- IBM FileNet P8 Platform Redbook
- IBM Lotus Domino
- IBM WebSphere
- IBM System Storage
- Application Ready Templates
- Controlling the Cloud Requirements for Cloud Computing
- ROI of Application Delivery Controllers in Traditional & Virtualized Environments

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