

Optimize and secure your network with solutions from IBM and Citrix

Deliver applications securely, any time, anywhere to any device



Highlights

- Simplifying a complex network
 - Scaling to meet fluctuating demands
 - Delivering uncompromising application performance and security
 - Enabling centralized management
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In an increasingly globalized and mobilized environment, megatrends like mobile, social, big data analytics and cloud place significant demands on the delivery of services to dispersed users – and on legacy networks that were never designed to support those challenging new workloads.

As an organization's IT infrastructure grows more complex and costly, network security issues can also multiply and IT cycles increase. Left unaddressed, aging data centers and networks are unable to respond to traffic spikes, deliver applications on demand, or scale efficiently up, in or out. Ultimately, web and mobile applications are not available when, how and where they are needed – impacting user productivity, customer satisfaction and IT performance.

Building a strategic alliance

As long-time strategic alliance partners, IBM and Citrix can help your network deliver on the promise of these enterprise game-changers. With solutions ranging from assessment, design and implementation planning to deployment, we combine IBM networking services and expertise with industry-leading Citrix application delivery and network optimization to create the right network infrastructure – tuned for the tasks at hand, and ready for changing demands.

Whether you are engaged in desktop virtualization, implementing bring-your-own-device (BYOD), or launching cloud initiatives, IBM and Citrix offer networking solutions that enable you to quickly respond in a competitive market.



Reducing complexity in the new environment

To address the growing demand for mobile and web application delivery, many IT organizations have built up hardware assets that may be obsolete for next-generation cloud-based services. Hundreds of legacy load balancers may be in the average enterprise data center, running with limited functionality.

IBM and Citrix can help reduce load balancer sprawl by providing a more efficient, scalable application delivery controller (ADC) platform for global enterprise data center consolidation. Citrix NetScaler is an all-in-one web ADC, capable of clustering 32 appliances into one entity and running up to 80 NetScaler instances simultaneously on a single appliance.

Support for multi-tenancy helps provides secure traffic isolation with separate policies – helping organizations meet compliance requirements while avoiding additional server purchases or expensive bandwidth upgrades.

Building elasticity into the design

Your networking infrastructure should be as versatile as your business. The IBM and Citrix solution provides the advanced TriScale technology to deliver higher performance as required, expand capacity seamlessly to meet application traffic growth, and scale NetScaler deployments to over 3 Tbps.

Flexible plans also enable you to choose the configuration you need today, and take advantage of the Citrix NetScaler “Pay-As-You-Grow” program or IBM’s subscription-based pricing.

Maintaining performance and service levels

The IBM solution, Application and Network Performance Optimization (ANPO), emphasizes what matters most to users: speedy application response times and security-rich delivery. ANPO can make remote applications function as if they were operating in a local area network (LAN) environment; that is, with low latency, low packet loss, high reliability and redundancy.

Using proven methodologies and skilled professionals, IBM can help:

- Dramatically improve performance and application response time
- Avoid loss of end-user productivity
- Free up bandwidth for new applications
- Enhance web access to centrally hosted applications, storage and servers
- Enable efficiencies through reduction of servers and bandwidth in data center
- Ensure end-to-end security against application layer attacks

Citrix NetScaler, powered by Citrix TriScale technology as the foundation, can help deliver web-based and mobile applications up to five times better. To help ensure applications are always available, the ADC engages content switching capabilities for SQL databases and intelligent monitoring features.

Content caching and compression reduce the overall volume of network traffic, as well as offload work from the servers themselves.

Centralizing management and increasing visibility

A unified management framework helps streamline policy definition and management. A single control plane handles provisioning, monitoring and managing multiple, concurrent NetScaler instances. IT maintains control – each instance is managed independently, and each NetScaler can run a different software version and support independent IP addressing schemes when needed.

Extending beyond the server level, visibility into virtualized sessions is maintained for IBM Mobile Virtualization Services deployments with Citrix XenApp and XenDesktop for real-time control.

Working with trusted partners

IBM and Citrix have partnered closely for over 20 years, providing a one-stop source for global clients to help optimize network operations and enhance application delivery.

Citrix is a leader in virtualization, networking and cloud infrastructure to enable new ways for people to work better. Citrix solutions help IT and service providers to build, manage and secure virtual and mobile workspaces that seamlessly deliver applications, desktops, data and services to anyone, on any device, over any network or cloud.

This year Citrix is celebrating 25 years of innovation, making IT simpler and people more productive with mobile workstyles. With annual revenue in 2013 of \$2.9 billion, Citrix solutions are in use at more than 330,000 organizations and by over 100 million people globally.

Learn more at citrix.com.

For more information

To learn more about networking solutions from IBM and Citrix, visit: ibm.com/services

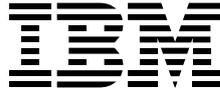


International construction company builds disaster recovery and virtual desktop solution

With thousands of employees and customers, a string of facilities, and a location prone to natural disasters, this company needed to ensure business continuity and improve the functionality of its IT systems.

IBM and Citrix supplied a robust infrastructure that enabled the client to continue operations in the event of a hardware failure, data corruption or any other outage scenario. IBM servers and storage run and support a disaster-recovery solution and flexible data repository. Citrix XenDesktop and Citrix NetScaler service and application delivery solution provide a virtual desktop infrastructure on the IBM platform. Workers in remote locations receive either individual instances of the Microsoft Windows operating system, web applications and software-as-a-service (SaaS) models or full virtual desktops to a wide range of PCs, thin clients, tablets, smartphones or notebooks.

The solution helps the client to provide backup and restore capabilities, data replication between data centers, and complete fallback to its virtual infrastructure. With NetScaler, workloads are balanced to make the best use of resources. With Citrix solutions, the client transformed its desktop applications into secure, on-demand services for increased availability, enabling access to business-critical applications from anywhere on any device.



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