



ALCATEL-LUCENT ENTERPRISE APPLICATION FLUENT NETWORKS WITH **Citrix NetScaler**

Delivering the power of
the cloud to any network

A number of important trends are affecting enterprise information technology (IT) and communications. The consumerization of IT and mobility, the emergence of private and public clouds, and an unprecedented explosion of data crossing the network are changing the way data centers and corporate networks are being designed, deployed and used by enterprises of all sizes.

Workers accustomed to user-friendly, mobile consumer products are frustrated with internal IT and network organizations perceived as unresponsive, inflexible, or—worst of all—behind the times. The fast, responsive and adaptive experiences they are used to getting from their personal communications tools are now expected in their business life. This has created a demand for highly interactive experiences and easy-to-use applications in a business environment.

Today's enterprise end users are also adopting mobile work styles that allow them to work anywhere with anyone and at any time. To enable this freedom, mobile workers require simple and secure access to their data from any device, and self-service access to any Windows, Web, Software as a Service (SaaS) or mobile application from a universal access point that is device independent.

Meanwhile, cloud computing is changing the way data is accessed and processed, and corporate data centers are adapting to capitalize on the advantages the cloud offers. In fact, IDC predicts cloud services will account for 46 percent of net new growth in overall IT spending in 2015. As data volume increases with the virtualization of data center networks, enterprises have an opportunity to reduce total cost of ownership (TCO) dramatically by creating cloud ready networks. The increasing deployment of private clouds by large enterprises and public clouds by service providers will create a need for solutions that support hybrid cloud scenarios.

Optimize network performance

To adapt to this fast-changing environment, enterprises need intelligent, scalable, cost-effective network solutions that can dynamically optimize data center and corporate network performance. They need a solution that will enable them to take advantage of the full benefits the cloud offers, from cloud-ready data centers for small enterprises, to multi-site private clouds with the ability to connect to public clouds offered by service providers for large enterprises.

Alcatel-Lucent and Citrix® have collaborated to create complete solutions that meet the evolving needs of enterprise data center and corporate networks. Together, they provide an immediate answer to the changing needs of enterprises with the Alcatel-Lucent Citrix Ready Solution (Figure 1). This complete enterprise solution provides Layer 2-7 application fluent networking with the Alcatel-Lucent Mesh and Campus LAN solution coupled with Citrix NetScaler® 10 and Citrix Branch Repeater®.

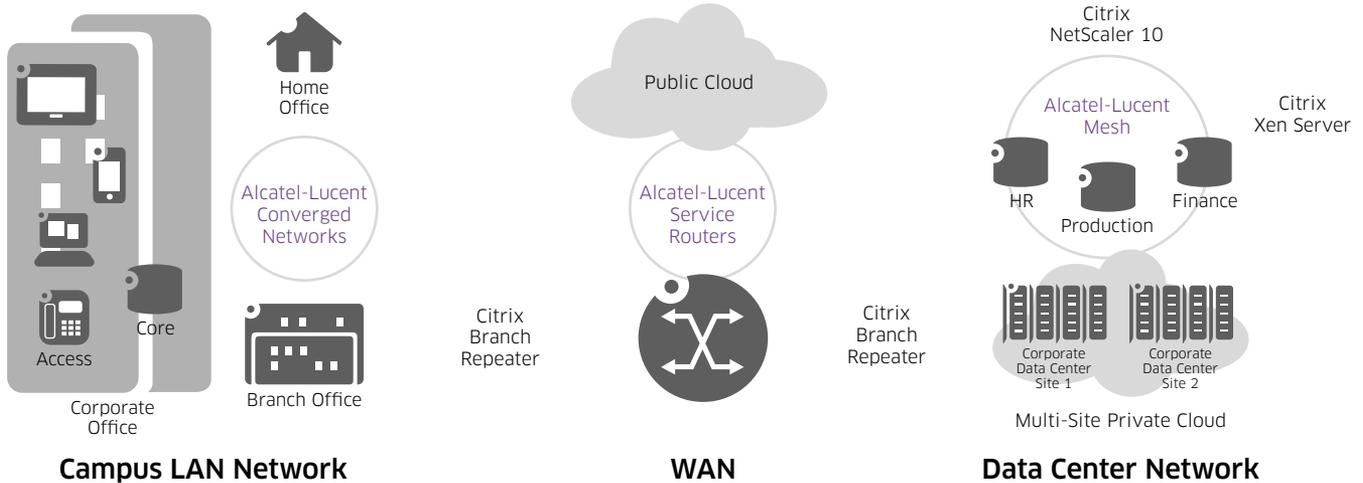


Figure 1. Alcatel-Lucent Citrix Ready Solution

Leverage an Application Fluent Network

The Application Fluent Network from Alcatel-Lucent is engineered to understand the unique requirements of each application, user, device and conversational context and automatically adapt the network to ensure optimal performance. Citrix NetScaler with Citrix TriScale™ technology is fully interoperable with the Alcatel-Lucent network solution and securely delivers applications with the fastest performance, while enabling the network to seamlessly scale up, scale in, and scale out to meet the explosive growth of application traffic.

Together, the Alcatel-Lucent Application Fluent Network and Citrix TriScale technology benefit end users, IT teams, and the corporate bottom line with:

DELIVER A HIGH-QUALITY END USER EXPERIENCE

- Meet the needs of virtualized applications with market-leading automation and performance.
- Automatically optimize application performance through management-as-a-service capability of Alcatel-Lucent OmniSwitch™ solutions and use of caching, compression, and wide area network (WAN) protocol optimization from NetScaler.
- Enhance delivery of Citrix XenApp® and Citrix XenDesktop® virtualization solutions via Citrix Branch Repeater's Independent Computing Architecture (ICA) optimization and NetScaler's load balancing coupled with OmniSwitch User Network Profile (uNP) and Virtual Network Profile (vNP) technology.
- Minimize downtime with a carrier-class resilient network architecture from the corporate local area network (LAN) to the data center network.

INCREASE AGILITY

- Optimize server utilization more rapidly and with fewer errors via automated virtual machine movement, both within and between data center sites.
- Simplify application deployment and disaster recovery with a multi-site private cloud.
- Accelerate the rollout of new services through a hybrid cloud model.
- Scale to multiple data center sites without Multi-protocol Label Switching (MPLS) connectivity using Citrix CloudBridge™ and NetScaler CloudConnector™.
- Spin-up application delivery controller resources in real time.
- Provide real-time monitoring and adaptive policy controls to automatically tune application and service delivery policies.

REDUCE COSTS

- Reduce capital and operating costs with a high-density, low power-consuming network.
- Reduce TCO and increase performance through versatile and extensible platforms for service and application delivery.
- Minimize server farm needs with offloading of compute intensive security and communication processing.
- Leverage Pay-As-You-Grow scalability to only procure the required performance.
- Gain application performance visibility to reduce troubleshooting efforts.
- Streamline IT operations through integration of network management platforms with application delivery and virtualization platforms standard hypervisors.

ABOUT CITRIX

Citrix Systems, Inc. (NASDAQ:CTXS) is the company transforming how people, businesses and IT work and collaborate in the cloud era. With market-leading cloud, collaboration, networking and virtualization technologies, Citrix powers mobile workstyles and cloud services, making complex enterprise IT simpler and more accessible for 260,000 enterprises. Citrix touches 75 percent of Internet users each day and partners with more than 10,000 companies in 100 countries. Annual revenue in 2011 was \$2.21 billion. Learn more at www.citrix.com.

ENHANCE SECURITY

- Empower the greatest control with full application security and visibility of all data entering and leaving the network.
- Ensure Layer 7 security through the use of a web application firewall.
- Protect communications through Secure Sockets Layer (SSL) virtual private network (VPN) tunnels and highly granular network access controls.
- Secure private cloud-to-cloud connections with IPSec encryption.
- Secure inter-data center connectivity with optical encryption.

COORDINATE CONFIGURATION AND MANAGEMENT

- Coordinate configuration and monitoring of Alcatel-Lucent network in tangent with Citrix's command center to enable configuration and use of load balancing devices within the network.

Alcatel-Lucent and Citrix deliver complete cloud solutions

The Alcatel-Lucent Citrix Ready Solution leverages the combined knowledge, experience and expertise of the leader in enterprise communications networking with that of the leader in enterprise IT to deliver a complete cloud computing solution.

Alcatel-Lucent communications solutions maximize the efficiency of enterprise networks through effective monitoring and adjustment of resources, and simplify network architectures to deliver the full benefits of new multimedia applications. The comprehensive Alcatel-Lucent enterprise portfolio includes solutions for converged campus networks and data center networks, which enable enterprises to speed the adoption of cloud services. With operations in more than 130 countries and one of the most experienced global services organizations in the industry, Alcatel-Lucent is a local partner with global reach

To find out more about the Alcatel-Lucent Citrix Ready Solution visit:

<http://enterprise.alcatel-lucent.com/>

