Lucent Technologies
Enterprise Convergence Solutions



Solutions that help enterprises gain the full value of convergence to overcome key business challenges

Benefits

- Unleashes the power of the network to increase productivity, enhance customer satisfaction, improve business processes and reduce costs
- Ensures smooth, efficient migration to truly converged services across the enterprise network
- Leverages the innovations of Lucent's renowned R&D arm, Bell Labs, and unsurpassed networking expertise

Lucent Technologies
Bell Labs Innovations

Benefit **fully** from network convergence

Lucent Technologies Convergence Solutions for Enterprises help businesses gain the full power of their networks and their applications—to increase employee productivity, enhance customer satisfaction, improve business processes and compliance, and reduce costs.

Convergence of Voice, Video and Data Networks

Businesses want a smooth, efficient migration path to a single converged enterprise-wide system for voice, video, data and wireless – a future-proof network that adapts easily to next-generation converged services. They need an intelligent infrastructure designed to locate and identify valid end users and deliver required resources whenever they are needed. Achieving the benefits of convergence means:

- Developing a fool-proof services lifecycle support plan that guarantees ROI
- Providing end-to-end, automated security that eliminates the threat of attacks
- Creating a management and services quality plan that ensures performance

The road to a reliable and secure implementation of Value over IP™ is assured with the professional services and expertise of Lucent Worldwide Services combined with standards-based methodology developed by Bell Labs, Lucent's R&D engine. Lucent Technologies solutions are built on best-in-class platforms and open standards, and are highly scalable and flexible. Mobile devices such as cellular phones and PDAs can be assigned PBX extensions, and users can access business telephony features for all devices through a single, powerful and easy-to-use interface. This versatile architecture lets enterprises choose among hosted, managed or premise-based implementations.

Convergence of Wireless and Wireline Services

Business is conducted on the go! Whether down the hall or across an ocean, the workforce needs to stay in touch. They also need access to databases, office tools, Web-based information, visual images and records. Through Lucent's mobile extension capability and Lucent-enabled high-speed data services mobile workers are provided the same calling features and secure data services that they use in the office.

To deliver convenient, comprehensive communication capabilities, Lucent works with service providers and enterprises to tailor integrated solutions that seamlessly bring the advantages of public, hosted and private network solutions together. Utilizing state-of-the-art commercial and Bell Labs-developed tools, these solutions are designed to satisfy specific requirements associated with each layout, location and structural elements. These services provide:

- Wi-Fi networking capabilities for campus, municipal and enterprise environments
- Enable users to roam effortlessly between IP networks
- Extend the reach of the corporate data network into Wi-Fi hotspots and the wireless WAN

Optimizing Network Power

For an enterprise network to be successful, networks, applications and processes must be integrated to support strategic business objectives. This level of integration demands the total visibility and complete infrastructure management that Lucent VitalSuite® software provides. VitalSuite® Network and Application Performance Management software address the growing need for real-time infrastructure and convergence management, in context with broader infrastructure control.

Lucent Technologies solutions help enterprises plan for converged services—and the explosion of IP devices in the network—by helping to resolve the challenges associated with managing IP names and addresses across different IP networks and domains. VitalQIP® DNS/DHCP IP Address Management software works with any IP-related service, including voice, data and video, to manage the IP address space for the entire enterprise network.

Over 75 percent of Fortune 100 companies and all Tier 1 Service Providers use Lucent software to manage their businesses reliably and profitably.

Convergence of WAN and LAN Networks

The right WAN facilities help improve competitiveness, accelerate sales and increase network capacity, while keeping costs down. Carrier Ethernet and Carrier Storage transport over SONET and DWDM can dramatically decrease both capital and operating expenses and remove barriers between LANs and WANs by supporting native Ethernet switching and native storage protocols. Lucent Technologies Metropolis® DMX family combines voice, private line, storage protocol and Ethernet functionality into a single product. The Lucent Metropolis® WSM offers ultra-high bandwidth transport.

Ensuring Productive, Reliable, Secure Networks

Maintaining comprehensive security planning for business continuity in the event of disaster and managing software risks are essential to the well being of an enterprise network. Lucent consulting services help enterprises plan, design, integrate, migrate, and optimize their networks and applications. They also minimize unscheduled downtime and potential costs. These services include:

- Consulting that develops a comprehensive approach to security, based on the Bell Labs model adopted as ITU-T Recommendation X.805
- Network security assessment that provides recommendations for improvements
- Policy development that creates secure processes and helps ensure staff readiness and compliance
- Design and implementation that create a unique solution for each business
- Security penetration testing that addresses both internal and external attacks
- Business continuity services that quantify potential risk and help minimize the effect of disasters
- Managed security services that free enterprise IT staff to do their jobs

Lucent Worldwide Services combine worldwide experience, extensive multi-vendor knowledge, best-in-class solutions provided by best in class technology partners, and the Lucent portfolio of firewall products and security software. Lucent engineers and consultants are experts in next-generation technologies, including VoIP, data, wireless and optical networking.

The Lucent Advantage™ for Enterprises

Lucent Technologies solutions for enterprises offer market-leading products and consulting services, developed with Bell Labs Innovations, that can help enterprise networks run more efficiently. These services delivered over a Lucent-built network give the Lucent Advantage™: secure, feature-rich services that meet business communications needs. Lucent Technologies customer base includes communications enterprises, service providers, and governments worldwide. For more information on Lucent Technologies, which has headquarters in Murray Hill, N.J., USA, visit http://www.lucent.com/

Solutions for Voice, Video and Data Convergence

- Lucent Voice over IP Solutions for Enterprises
- Lucent Communications Manager

Products for Wireless-Wireline Service Convergence

- IP Data Roaming Solutions
- WiFi Network Solutions

Network and Address Management and Optimization

- VitalSuite® Performance Management Software
- VitalQIP® DNS/DHCP & IP Management Software

Optical for WAN/LAN Convergence and Storage Systems

- Metropolis® WSM Wavelength Services Manager (WSM) for Enterprises
- Metropolis® DMX Access Multiplexer Portfolio

Products for Productive, Reliable, and Secure Networks

- Lucent Security Management Server (LSMS) for Enterprises
- Lucent VPN Firewall Brick® Portfolio for Enterprises
- Lucent IPSec Client for Enterprises
- NavisRadius™ Server

Lucent Worldwide Services

- VoIP Professional Services for Enterprises
  - – VoIP Readiness Assessment
  - – Integration Lab Testing
  - – VoIP Technology Evolution Planning
- Management Services for Enterprises
- Reliability and Security Consulting
- Planning, Design and Optimization Services
- Deployment Services
- Multivendor Maintenance Services

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative or visit our web site at http://www.lucent.com

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