Network Integration

Security Services

Managed Services

Documentation Services

Professional Services

the Challenge:

In the dynamic and ever-changing world of technology-driven business, companies need the most current and reliable technology and services to be effective in their industries. Businesses are always looking to stay one step ahead of the competition and reduce their costs in the process. The challenge is to reduce IT costs and issues, thereby allowing businesses more time to focus on their productivity.

the Solution:

HLewis Network Consulting Corporation (HLNCC) is a practice of network and security consultants—accomplished design and implementation engineers—with the experience and technical proficiency to address your most challenging network problems. Leveraging our considerable field success and cumulative industry experience, our experts are qualified to provide you with a quality solution.

HLNCC delivers professional services for planning, design, implementation, operation, optimization and support of complex end-to-end networking solutions. Our deployments include installing, configuring and tuning enterprise network and security solutions for optimal and efficient performance.

HLNCC has the expert resources to effectively architect and implement network solutions that address present and future client requirements. Our solutions offer a centralized approach. They are best practice, high-impact strategies intended to increase productivity. Our solutions interoperate across heterogeneous platforms and integrate seamlessly into your existing environment.

HLewis Network Consulting

- *Experienced Consultants*
- *Industry Knowledge*
- *Proven Methodology*
- *Knowledge Transfer*

HLNCC consultants leverage 10-20 years of experience and proven methodology in internetworking and secure network design. Among others, we hold the current highest certifications and training from Cisco, Alcatel, Check Point, Nokia, ISS, Microsoft, Novell and Citrix. The training and experience required of HLNCC consultants demands extensive knowledge of troubleshooting, network planning and implementing complex configurations of internetworking solutions.

We look forward to doing business with you,

Heather Lewis

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the Challenge:

In recent years, IT infrastructures have become complex and business critical. Documentation has become an absolutely essential element of maintaining a network. IT departments are tasked with proactively auditing infrastructures, maintaining disaster recovery documentation, monitoring security, and identifying and tracking network changes.

A well-documented network protects your investment.

the Solution:

HLNCC Online Network Documentation lets you regain control of your IT infrastructure with cross-platform configuration reports and detailed network diagrams. This tool will enable you to centralize and standardize enterprise-wide information about procedures, operating systems, network configs, databases and applications.

Features:
- Interactive Visio
- LAN/WAN configurations
- Detailed server information
- Database Storage and User Information
- IP Addressing Schematics
- Inventory Reports
- Vulnerability Assessment
- Troubleshooting Tips
- Digital Photos
- Vendor Contact Information
- Installation/Syntax Guides
- White Papers

Finally you will have a *functional* repository for information on access control, user profiles, system patches, server registry settings, as well as snapshots of router/switch configurations.

The objective of our online documentation is to provide network and system administrators with detailed information and a central reference for managing the enterprise. Our ultimate goal is to provide a multi-platform enterprise documentation solution that will both streamline IT management, and help in troubleshooting and assessing vulnerabilities.

CONFIGURATION STANDARDS

Our documentation helps you to enforce corporate standards. Changes in access control, users, system patches, file permissions, registry settings, and thousands of other important configuration settings are identified. Our maintenance program makes it easy to see trends.

KNOWLEDGE PRESERVATION

Today's economic climate presents the challenge of constantly changing personnel resources. Our comprehensive reporting and documentation for servers, databases, applications, and network devices acts as an index of configuration decisions, as well as insurance against loss of knowledge with changes in system administration personnel.

PATCH MANAGEMENT

Has the latest worm or virus infected your Windows systems and caused problems in your organization? Recent events have proven that not keeping current with system patches represents one of the biggest security and availability risks facing IT today. The constant flow of new patches and the time-consuming effort required to manually research and deploy patches prevents companies from keeping systems up-to-date and properly secured. Let HLNCC automate the process of discovering systems on the network, identifying missing patches and installing those patches across the enterprise immediately or on a scheduled-basis.

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the Challenge:

In today's competitive environment, you have enough things to worry about. Getting maximum availability from your network shouldn't be one of them. But managing your network is becoming more complex. As your business grows, there are more components to monitor—in multiple locations—and if one causes your network to go down, it's going to cost you. But bringing on enough IT staff or in-house technology to monitor your network is an expense few growing businesses can afford.

So where can you turn? To e-technician.
To our 24X7 Network Operations Center (NOC).

the Solution:

Our Management Services delivers the ultimate in remote IT monitoring and maintenance to help keep your network up and running at peak efficiency, so you can focus on business.

MAKING IT WORK FOR YOU

By providing you with state-of-the-art operational processes and tools, technical knowledge and experienced personnel, our NOC can help you:
• Increase end-user satisfaction and productivity
• Gain skills and knowledge not available in-house
• Streamline operations
• Stay focused on your core business competencies
• Increase network availability and improve performance
• Enhance cost-efficiency
• Reduce operational risk

e-technicianSM Never Sleeps,
So You Can Rest Easier.

WE'VE GOT IT COVERED - TWICE

Our network management approach combines maintaining baseline operating levels to prevent problems, while taking immediate corrective action when inevitable problems arise. Our NOC proactively manages your network and systems to detect—and correct—problems around the clock. And if a problem does arise, we coordinate the repair to provide the quickest possible service restoration, while eliminating "finger-pointing".

Using real-time monitoring and best-of-breed technology, our NOC provides 24X7
• Network monitoring   • Problem detection
• Problem diagnosis   • Fault isolation
• Repair coordination   • Service restoration
• Monitoring/tracking of network assets

ONGOING PERFORMANCE MANAGEMENT
The NOC also actively evaluates your network devices to ensure they meet your performance requirements. Our skilled professionals obtain and evaluate data on critical components—file servers, communications devices, frame relay circuits and LAN/WAN circuits—and provide you with their findings in easy-to-read graphs and reports.

Reports include:
• Utilization by LAN segment
• Traffic analysis
• Router statistics
• Network traffic trends
• Network availability
• Network latency and responsiveness
• Service levels
• Over-utilized and under-utilized network resources
• Bandwidth utilization, congestion and error rate
• Frame relay circuit utilization

Get the e-technician advantage
• Quick and easy service start-up
• Minimal investment
• Detailed operational processes and procedures
• Dedicated team of experienced technical professionals
• Global 24X7 service
• Specific service level agreement with simple pricing
• State-of-the-art systems, tools and technology
• Redundant facilities for virtually disaster-proof coverage
• Asset tracking and management
• Performance guarantees

Security Services

the Challenge:

Internet and intranet technologies have drastically increased the threat of attacks to networks, both internally and externally. Increased reliance on network computing, as well as remote and wireless access to company resources creates added risk of intrusion by unauthorized users and hackers. Attacks today are more serious and technically more complex than in the past. As an increasing number of organizations interconnect their information systems, successful break-ins can become commercially rewarding.

Network security is critical to the availability and performance of your overall enterprise network. Privacy and integrity of data are essential. Temporary or prolonged interruption resulting from network intrusion is both undesirable and expensive.

the Solution:
PROTECTION: INSIDE AND OUT

HLNCC services include comprehensive security analysis of any scale network—both externally from the perspective of an outside hacker and internally from the perspective of a disgruntled employee or contractor. Security vulnerability information is compiled, analyzed and concisely presented with operational-level recommendations on how to better secure the corporate network and help enable it to reach its full business potential.

Comprehensive network security begins with good design and planning.

SECURITY POLICY DEVELOPMENT

One of the first steps in developing a practical security strategy is examining the information assets specific to your business. HLNCC security engineers will examine the business value of your information technology and assets, and work with your staff to create a custom-designed security policy and incident response procedure that protects your strategic assets.

FIREWALL MANAGEMENT

Ensure your firewall is providing your network with the protection you need with HLNCC firewall management solutions. From initial assessments and firewall installation, to around-the-clock remote monitoring and annual reviews, we can help ensure your firewall is protecting your network from unauthorized use.

INTRUSION DETECTION SERVICES

Our enterprise-scale, real-time, intrusion detection systems are designed to detect, report and terminate unauthorized activity throughout a network. Using state-of-the-art monitoring technology, you can detect and respond to such attempts in real-time, heading off potential security breaches before they occur. The network- and host-based technologies that we recommend use signature recognition or anomaly detection and are configured to:

• Understand legitimate traffic and network usage.
• Block offenders from accessing the network or terminates the offending sessions.
• Provide comprehensive attack signature lists that detect a wide range of attacks, as well as content and context-based attacks.

VIRTUAL PRIVATE NETWORK (VPN)

Using the Internet or another public network as your information transport backbone presents a potential security risk. HLNCC can help you effectively manage—and mitigate—this risk by providing you with an integrated, comprehensive Virtual Private Network (VPN) solution. Designed to meet your specific needs, a VPN can provide your organization with secure, reliable and manageable business-to-business communications. Our "best-of-breed" solutions satisfy remote access requirements, providing users with complete implementation of standards, including support for Triple DES and AES encryption and authentication with digital certificates, one-time password tokens and pre-shared keys.

IDENTITY MANAGEMENT

Security is no longer just about risk mitigation and compliance. It's also about opening online applications and systems to achieve key business objectives. Our Identity and Access Management solutions enable strong authentication using a range of techniques including PKI, biometrics and hardware tokens.

Maintain a secure network environment for your organization, your employees and your business partners. We can show you how. From assessing your points of vulnerability, to installing and monitoring your network with the latest in state-of-the-art security technology, you can rely on HLNCC experienced specialists to help you deliver unsurpassed security across all platforms, protecting critical information, system and network resources.

Network Integration

the Challenge:

Your "network" is the heart of your enterprise. Performance, reliability, scalability and security are critical. In-house staff of experts are either too expensive to hire or nearly impossible to keep. And the energy and objectivity of your in-house resources are often compromised by the demands of the infrastructure's day-to-day activities. They are usually far too busy to assess, design, engineer and implement "best practices."

the Solution:

HLNCC expert resources effectively architect and implement solutions to address present and future needs. Detailed network design includes technology selection, transport protocol and topology recommendations, as well as future capacity demand forecasts. Implementation services range from technical support, volume rollout or migration efforts, to "turnkey" delivery of systems. Deployments are completed within budget and on-schedule. Our services leverage our years of experience to provide structured and "best practices" methodologies.

A reliable and effective network begins with good design and planning.

NETWORK DESIGN

Despite improvements in equipment performance and media capabilities, network design is becoming more difficult. The trend is toward increasingly complex environments involving multiple media, multiple protocols, and interconnection to networks outside of your control. Our strategic network design can reduce the hardships associated with growth as your networking environment evolves.

Benefits of HLNCC Network Solutions:

• Increased performance and resiliency
• Flexible, incremental bandwidth
• Quick and predictable network response time
• Scalable solutions for future growth
• Network optimization
• Improved security

Our network solutions are deployed in Education, Financial Services, Government, Insurance, Health Care, Telecommunication and Utilities Transportation.

NETWORK AUDIT & ASSESSMENT

Assessments are essential to ensuring high-performance, long-term network and systems operations. Whether you're just beginning an IT project or want more out of your current network, HLNCC can help. We'll get you where you need to be—running your business. Our network audits analyze key elements of your IT operations and produce clear direction for your organization to get the most out of your IT investment.

KNOWLEDGE TRANSFER

HLNCC deployments include hands-on knowledge transfer with client staff, to ensure that you are equipped with the necessary knowledge to manage, monitor and maintain network solutions once deployed. Deliverable documentation describes the complete installation and customization process.

PROGRAM MANAGEMENT

Program management is more comprehensive than project management or design management. We will manage the full range of activities necessary to keep a complex multidisciplinary project firmly on track.

Services

Design & Implementation
• Network Architecture
• TCP/IP Addressing Design
• Internet/Intranet Design
• Project Management
• On-site Training and Transition

Inventory & Asset Management
• Documentation & Reporting
• Disaster Recovery Planning
• Business Continuity Planning

Migration/Change Management
• Network Troubleshooting
• Network Management & Monitoring
• Configuration Management
• System Upgrades
• Consolidation & Mergers

Compliance
• Network Assessment & Audits
• Configuration Standards
• Regulatory Exposure