

## The Power of Pileum

With a growing demand for network bandwidth and technology quickly becoming more complex, many companies struggle to keep up with constant advancement. Founded in 2002 in Jackson, Mississippi, Pileum was developed to address this "skills gap."

Our goal, as a consulting firm, is to offer clients a variety of choices to help bring about growth and add value to their operations. Through our wide range of knowledge and experience, as well as our exceptional skills in technology, we are able to provide countless opportunities.

Pileum approaches business problems in a practical way, focusing on the improvement of practices and technology. It is our firm belief that not every solution requires a huge investment. Technology serves a purpose. Its implementation should aid in saving money, increasing efficiency, and improving customer service.

In order to achieve these things, the Pileum staff specially designs technology solutions to help clients realize their business objectives. Each design is continually evaluated on its business outlook. Our professional staff consists of a number of different disciplines to accomplish this: Engineering, Accounting, Project Management, Business Process Improvement, Financial Modeling and Quality Assurance.

Pileum also offers freedom in the hardware and software market. Because we have no quotas or bias toward any manufacturer, product, or service. We can offer the best solution to fit the customer regardless of brand.

Our philosophy on consulting is quality over quantity. Each consultant presents expertise in a specific area and brings real world experience and certification to the table. Combining resources and knowledge allows us to create premium solutions for our clients. Our entire staff is highly motivated, and above all, committed to complete customer satisfaction.



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# PILEUM CORPORATION

SMART PEOPLE. SMART BUSINESS. SMART SOLUTIONS.

## The Power of an Audit

Pileum's Network Security Audit harnesses our industry-proven experience in information security to provide an objective evaluation of a client's network, system configurations, and supporting processes against a client's established policies. Our engineers identify problem areas and provide recommendations for improvements. This audit delivers both an executive-level document stating essential security requirements, as well as a detailed technical report including tangible approaches for action planning. Pileum's Network Security Audit provides a roadmap to help achieve a client's desired results.

- Proactive identification of security vulnerabilities
- Structured and proven Network Engagement Methodology
- Interviews of key management and technical team
- Identification of deviations from existing policies
- Incorporation of security best practices consistent with clients' needs and expectations

## The Power of Testing

In order to guarantee that security policies and information protection programs function properly, Pileum conducts independent testing and validation of clients' systems and network security. Our expertly designed and detailed testing plan close security gaps by highlighting strengths and weaknesses.

Pileum's Penetration Testing Service helps identify a client's vulnerabilities within their network perimeter and internal network infrastructure. This service includes planning, testing, and analysis of a comprehensive set of a client's liabilities in the transport, protocol, application, and remote access areas. From the testing clients receive an executive-level document that identifies critical security issues and a comprehensive report of testing results including recommended action plans. Penetration Testing ensures client protection.

- Structured, proven, and repeatable methodology for testing vulnerabilities
- Cutting-edge commercial scanning tools, plus optional pre-tested hacking tools
- Results analysis in the following areas: TCP/IP, FTP, telnet, web, firewalls, and all network perimeter access points
- Executive-level and technical detailed reports that prioritize critical vulnerabilities based on clients' business needs
- Optional telephone war-dialing to identify unauthorized or vulnerable modem use

## The Power of Design

Pileum's Security Design Service employs a standard, recurring methodology to create the best solutions to meet out clients' needs. Our design service consists of two phases: a high-level (preliminary) design followed by a detailed design. Pileum begins by identifying a client's information security plan, existing policies and procedures, existing networks and systems, as well as future business and technology needs. Pileum then defines possible solutions, assists in evaluation, and selects the most suitable plan for the clients' businesses.

Phase One establishes the technology, estimates the cost, and focuses on a strategic solution. Phase Two provides details to facilitate the procurement and installation of all network components. The final result contains product definition, design drawings, and configurations.

- Definition and evaluation of high-level design by our security experts
- Development of the business case
- Development, documentation, and modeling of the detailed design
- Testing and evaluation of the detailed design and placement strategy

## The Power of Assessment

Pileum's Network Security Assessment identifies a client's potential vulnerabilities to internal and external threats within their information assets. We provide clients with an evaluation of existing security practices, recommendations for an action plan, and documentation to serve as the foundation for an ongoing protection program. This assessment offers invaluable resources.

- Expertise in operating systems, applications, and infrastructure components
- Structured and proven Network Engagement Methodology
- Testing of representative infrastructure devices
- Documentation of assessment methodology, findings, and prioritized recommendations for corrective actions

## The Power of Policy Development

Implementing effective information security policies is essential for creating a secure, business-friendly environment. Information security protects an organization's valuable resources contained in databases, hardware, and software. Pileum's Network Security Policy Development Service guarantees the selection and application of appropriate safeguards and protects our clients' physical and financial resources, reputations, legal positions, employees, and all other assets.

- Areas addressed: Remote Access Servers (RAS), Internet access, incident handling, audit requirements, roles and responsibilities, training and awareness, personnel administration, access controls, information handling, application/system controls, virus protection, physical security, and continuity planning
- Structured and proven Pileum Network Engagement Methodology
- Executive-level and technical detailed reports that prioritize critical vulnerabilities based on business needs
- Policy checklist based on industry best practices
- Incorporation of plans for future growth and additional services
- Incorporation of security best practices consistent with your needs and expectations

## The Power of Management

Pileum's Managed Security Service provides a quarterly assessment of organizations' Internet accessible devices and servers. Within this security assessment, our experienced engineers use state-of-the-art software capable of detecting over 1,500 unique vulnerabilities. These scans examine clients' firewalls, web servers, mail servers, FTP servers, VPN concentrators, and Internet routers, and are then reviewed for accuracy. This information is then presented in a simplistic report with graphs, color-coded tables, and step-by-step instructions for repair of the discovered issues.

Pileum realizes most customers are not comfortable making firewall rulebase changes because of the risk of accidentally exposing a server. To remedy this, we include firewall adds/moves/changes. These services allow us to catch configuration issues with new upgraded or changed services without waiting for the annual security audit.

- Quarterly vulnerability scan of all Internet accessible IP addresses
- Firewall support and troubleshooting assistance
- Quarterly vulnerability scan of all firewalls
- Remote and on-site support as necessary
- Quarterly Executive Summary Report
- Secure off-site backup of firewall configuration
- Firewall adds/moves/changes as necessary

