



**BUILT TO RESPOND™**

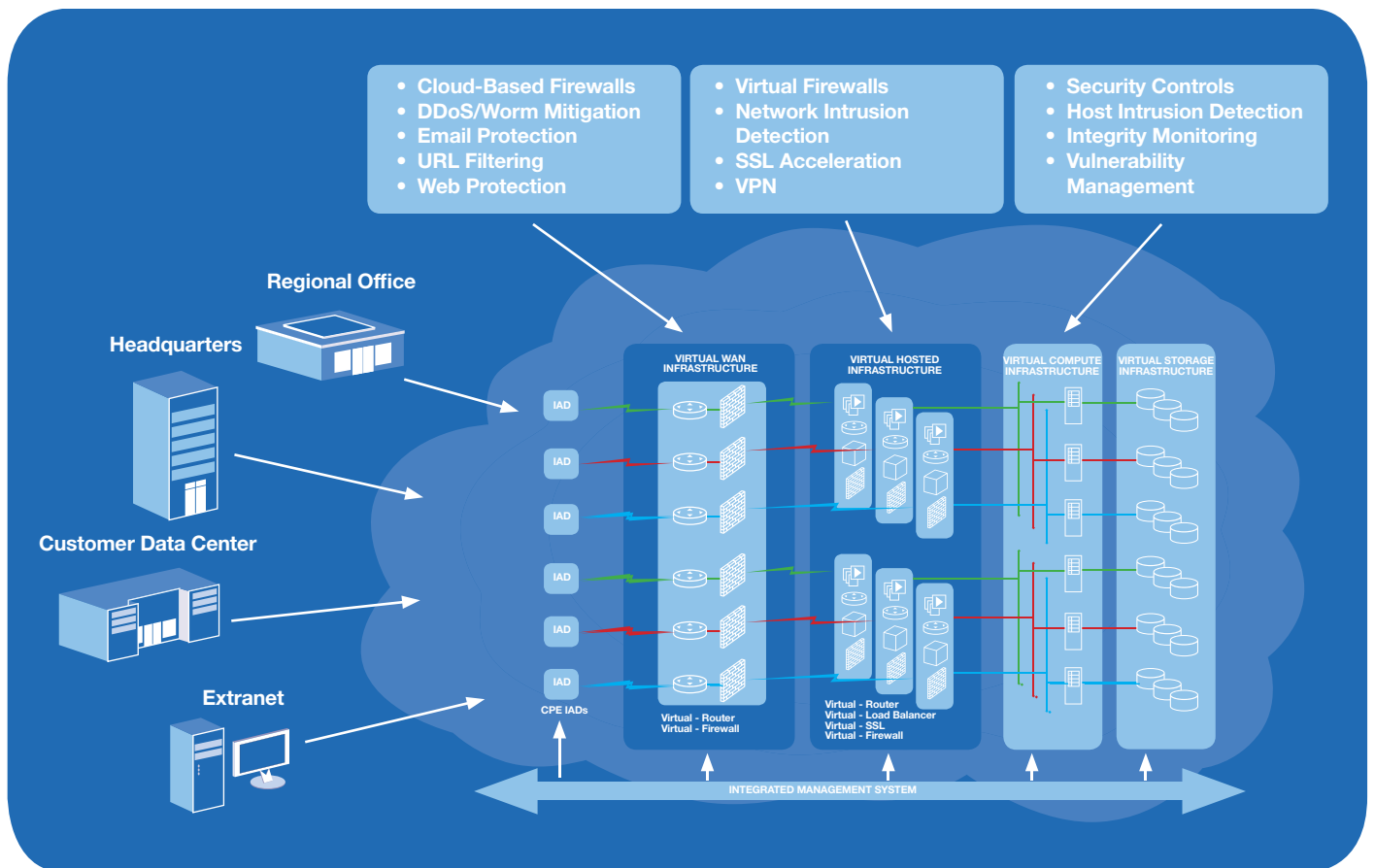
# SAVVIS SECURITY SERVICES

Network-based DDoS Mitigation ■ Email Archiving  
NIDS ■ Managed Firewall ■ Integrated Firewall with NIDS

**SAFE.  
SOUND.  
SECURE.  
SAVVIS.**

Today's businesses depend on the confidentiality, integrity, and availability of their data communications, information, and transactions. In the context of increasing threats of viruses, worms, "low and slow" intrusions, and wide-scale attacks, enterprises are more reliant than ever on service providers who can provide services that are comprehensive, reliable, and cost-effective.

SAVVIS' industry leading standards for reliability, security and performance are built into its security services. Combined with our outstanding delivery and service mindset, SAVVIS has created IT and security utility services designed and tested for the business that is increasingly aware of data security.



## SAVVIS' SECURITY UTILITY— PROVIDING RELIABLE IT SECURITY SERVICES WITHIN A HIGH-VALUE DELIVERY MODEL

The SAVVIS Security Utility is a flexible and scalable managed security offering that does not require hardware or software to be installed or managed at the customer's premise. All services are managed by SAVVIS and can be monitored by customers via SAVVIS' web portal, allowing users to monitor activity in their environment directly and conveniently. The result is a set of advanced managed security utility services that are ubiquitous to all IT operations—yet are transparent to IT resources.

By taking a holistic view of security components, and by integrating security management into all IT operations, SAVVIS Security Utility services are less expensive than that of dedicated infrastructure and allow for better capacity planning. And, by its nature a centrally managed service, the SAVVIS Security Utility allows for automatic technology refreshes as IT threats change and security solutions evolve over time.

Today, SAVVIS manages over 3,000 cloud-based firewalls and other security utility services for our customers.

### SAFE INSIDE AND OUT.

SAVVIS data centers are built and maintained to comply with today's stringent security standards. The security and integrity of each data center is achieved and maintained by robust facility construction, comprehensive access controls, video surveillance, and 24-hour personnel—all operating in accordance with comprehensive policies and procedures.

### SOUND — DAY AND NIGHT.

All SAVVIS systems are fully redundant and monitored day and night by highly-trained security experts and our 24/7 Incident Response Team. And we make it easy for customers to monitor their security profiles as well. SAVVIS provides 24/7 monitoring, management, maintenance and access to a number of logs, policies and performance statistics via SAVVIS' secure Web portal.

## DEDICATED SECURITY SERVICES – AT YOUR SITE, AND OURS

In addition to our acclaimed Security Utility, SAVVIS also manages and monitors more than 1,000 dedicated security installations at customer sites and at our data centers worldwide. SAVVIS combines best-in-class hardware, software, and reporting capabilities with 24x7 management, and a renowned incident response team.

### MANAGED SECURITY SERVICES

**Integrated Firewall with NIDS** - both Firewall and Network Intrusion Detection Service (NIDS), in a single, unified delivery platform.

As with all of SAVVIS' Managed Security Services, the service includes:

- firewall management
- installation
- round-the-clock monitoring
- and support of your organization's Cisco ASA or SISD (SAVVIS Integrated Security Device).

Simultaneously, the NIDS Service provides:

- managed intrusion detection, with round-the-clock management, monitoring and response to computer security incidents.
- support for Cisco AIP modules that are installed within SAVVIS-managed ASA devices or SISD devices.

Our utility offers the greatest level of protection at the best value — easily scalable and adaptable to changing needs

# SAFE

Our professional services team — credentialed experts across all security disciplines and in all major industries — evaluates and designs measures to optimize data security

# SOUND

SAVIS' dedicated security solutions, provide that our customers' data infrastructures, applications and networks are protected and that business risks are held to a manageable level

# SECURE

SAVIS is proud to be an active member of Cisco's Cisco Powered Network (CPN) program for Firewall and IDS Services.

#### E-mail and Web Protection Services

SAVIS offers the following types of E-Mail Protection Services to its customers:

- **Anti-Spam** – Identifies and controls spam-related e-mails.
- **Content Control** – Maintains your organization's rule-based filtering strategy.
- **Anti-Virus** – Scans all inbound and outbound e-mails, before they are passed on to their final destinations.
- **Image Filtering** – Utilizes neural network technology to accurately detect pornographic images.
- **Web virus protection, Web anti-spam and URL Filtering** – Provides Internet-level protection for both e-mail and Web-based traffic.
- **E-mail Archiving** – Consists of a managed e-mail archiving service for archiving, storing and retrieving customers' corporate e-mail communication.

#### Incident Response

Initiated when the customer, a system alert or other indicator points to a possible compromise of the Customer's systems.

- May be purchased whether or not equipment is installed in a SAVVIS data center, and regardless of equipment components and architecture.

#### Intrusion Detection Services

Promptly detects intrusions or security attacks, internally or externally.

- Avert costly consequences of intrusion incidents.
- Minimize impact on your business.

#### Managed Firewall Services

Firewall needs and network and system topology are reviewed to develop and define firewall security policies.

- Firewall systems are configured, installed, and managed according to your requirements.
- Range of platforms includes:
  - Network-based firewalls
  - Virtual firewalls

In addition to our acclaimed Security Utility, SAVVIS also manages and monitors more than 1,000 dedicated security installations at customer sites and at our data centers worldwide. SAVVIS combines best-in-class hardware, software, and reporting capabilities with 24x7 management, and a renowned incident response team.



### Managed Vulnerability Scanning

Internet-connected hosts are tested on a scheduled basis to determine vulnerability to known attack methods.

- Proprietary and publicly-available technologies (which are employed by cyber criminals) are utilized to perform tests.
- Results of the scans are analyzed and presented so that action may be taken to rectify found vulnerabilities.

### Network-based DDoS Mitigation

Cloud-based service provides protection from large-scale attacks which compromise your organization's data, your customers' data, and your ability to conduct business. The DDoS filtering equipment, which relies on advanced detection and mitigation technologies, is located on SAVVIS' private wide area network backbone which extends to more than 40 countries and serves a large portion of the world's Internet traffic.

- Re-routes potential DDoS attack traffic to "cleaning centers."
- Provides protection at the core-router level.
- Reduces overall site downtime.
- Reduces potential costs of bandwidth spikes caused by the attacks.
- Because the service is network-based, purchase of additional equipment or software is not required.
- Reduces your organization's overall dedicated infrastructure costs, as the service makes use of a SAVVIS-provided infrastructure.

### A Growing Threat: DDoS

One of today's fastest growing and potentially crippling threats is "DDoS" – a distributed, denial of service attack. In many cases a DDoS attack can be caused by zombie armies, hundreds or thousands of compromised computers that are controlled by a single perpetrator. During an attack, the perpetrator causes these infected computers to flood the victim's site with requests, rendering it incapable of functioning properly. Even the largest and most well-connected websites can be compromised.

## PROFESSIONAL SECURITY SERVICES

### Application Security Review

An assigned architect-level Application Engineer analyzes your current Web applications, and determines potential vulnerabilities.

- The engineer may perform a Web Application Vulnerability Scan, a Web Application Penetration Test, and/or an Application Security Code Review.
- Potential flaws are identified that can cripple the security of dynamic Web sites, and result in costly downtime for your organization.

### Network Penetration Testing

SAVVIS tests for potential network penetration vulnerabilities, which can place sensitive company information at risk.

- Testing Service identifies key network vulnerabilities by mimicking a malicious intruder in a simulated network attack.
- Carefully controlled testing prevents possible network outages and maintains the integrity of testing data.
- A detailed remediation roadmap is provided, which summarizes identified network weaknesses.

### Risk Assessment Services

Risk Assessment is the foundation of any security program. SAVVIS' detailed evaluation of your information security posture is based on globally-recognized ISO 17799 standards, and industry best practices.

- Gaps are identified in your company's security policies, procedures and systems across your facilities, networks, operating systems, databases and applications.
- Administrative, technical and physical security controls are assessed and our findings are documented, resulting in a cost-effective roadmap for mitigating identified risks and improving your overall security posture.
- Our recommendations are customized to your company's specific goals and priorities, and are ranked based on potential effectiveness.

### Security Architecture & Design

SAVVIS' Security Architecture & Design experts will develop an architecture that is better prepared to face potential internal and external threats.

- Using cost and level of effort guidelines that you pre-approve, SAVVIS creates a design that supports your business goals, while leveraging best practices in security.
- Your company will benefit from heightened network security—and from improved performance, flexibility, and scalability.

### Important Notice

Notwithstanding any other provision or understanding to the contrary in any document, SAVVIS makes no representation, warranty, or guarantee that any of the Tasks, Deliverables or other services provided in connection with a professional services engagement comply with or satisfy any applicable data security law or industry data security standard. If such engagement includes security services provided by SAVVIS (e.g., scanning or vulnerability testing), SAVVIS may use third party tools for such purposes and SAVVIS shall have no responsibility whatsoever for the use or effectiveness of such tools, and SAVVIS may not identify all possible incidents or vulnerabilities and SAVVIS expressly disclaims any responsibility for any unidentified or misidentified incidents or vulnerabilities. If SAVVIS provides an assessment, certification, report, or similar work product provided to customer in connection with the engagement, such work product is developed and provided in good faith as to its accuracy at the time of inspection or review by SAVVIS and SAVVIS assumes no liability to Customer or any third party regarding such work product. Full responsibility for any and all regulatory or data security compliance remains the sole and exclusive responsibility of the Customer and not SAVVIS.

### Security Assurance Manager

The Security Assurance Manager (SAM) is an experienced security consultant who possesses tremendous technical knowledge and a deep understanding of the industry issues and business processes that make each company's information environment unique.

- SAVVIS' Security Assurance Managers are Senior-Level Security Architects with many years of experience, an advanced degree, and a wide array of industry-recognized security certifications (CISSP, CISA, GSEC or GIAC, among others).
- SAMs are intimately familiar with applicable standards and possess detailed knowledge of the technologies and services that comprise your solutions.

### Security Policy & Documentation

A set of security policies and procedures is developed that addresses your organization's business goals, and needs.

- Current policies and procedures are documented, identifying any potential gaps in security policies and standards.
- SAVVIS then works with your company to improve business processes, including the processes' alignment with your corporate security goals.

## BRINGING IT ALL TOGETHER – AND KEEPING IT ALL SECURE ALONG THE WAY.

SAVVIS offers a secure computing and communications environment – across the board –from the computing core to the customer edge.

Because we've built an advanced environment—an ecosystem—that is fully integrated, SAVVIS is able to provide security at every level - whether you are collaborating, creating, distributing, transacting or simply communicating.

### Network Services

- Tier 1 OC-192 Internet backbone
- Video and data in 45 countries
- Converged applications on a global private backbone
- 150 TB of enterprise storage; 900 TB of backup storage

### Hosting Services

- Utility and Managed Hosting
- 12,000 servers under management
- 27 data centers worldwide

SAVVIS is an industry leader in providing secure, reliable and scalable hosting, network and application services. SAVVIS' solutions enable customers to focus on their core businesses while SAVVIS oversees the quality of their IT infrastructures.

## **SAFE. SOUND. SECURE. SAVVIS.**

Thousands of companies around the world - and millions of the customers they serve - are able to communicate and collaborate across all media types, from data to downloads, business to business, business to consumer - without having to build or manage expensive IT and communications infrastructures. SAVVIS' services are designed with simplicity, scalability and security foremost in mind - with a reach and commitment to innovation, value and service that makes SAVVIS a leader in the industry.

### **Corporate Headquarters**

SAVVIS Inc.  
1 SAVVIS Parkway  
St. Louis, MO 63017  
1-800-SAVVIS-1

**[www.savvis.net](http://www.savvis.net)**

### **ASIA**

SAVVIS  
50 Raffles Place  
Singapore Land Tower  
#13-01/04 Singapore,  
Singapore 048623  
65 6768 8000

**[www.savvis.net](http://www.savvis.net)**

### **EMEA**

SAVVIS UK Limited  
Eskdale Road  
Winnersh Triangle  
Wokingham  
Berkshire RG41 5TS  
United Kingdom  
+44 (0)118 322 6000

**[www.savvis.co.uk](http://www.savvis.co.uk)**