



New threats, new technologies, new solutions

The world of information security and infrastructure services is continually changing due to new business requirements, stricter compliance regimes, increased threats, and emerging technologies. Vistorm keeps abreast of these developments and formulates new solution sets by capturing all relevant information, knowledge and experience onto the Vistorm Information Assurance Platform. There are already several solution sets available; three more have recently been added.

Network Access Control

Paul Schwarzenberger, Solutions Architect

Network Access Control (NAC) is a system that controls access to network resources based on any combination of who is connecting, where they are connecting from, when they are connecting, what type of device they are using, and whether the device complies with security policy.

Here are some examples:

- ▶ Tony, using a desktop in the office, is allowed to access the Finance database because he is a member of the Finance group on Active Directory

- ▶ Rebecca's laptop has out-of-date anti-virus, so when she connects from home using a VPN, the laptop is only allowed to access the update server until her machine is brought into compliance
- ▶ Yuri, a visiting customer, is only allowed to connect to the Internet using Wireless LAN

Vistorm tailors a Network Access Control solution for a customer's particular requirements, with the technical approach depending on:

- ▶ Whether the customer wishes to have a single NAC system for LAN switches, VPN routers and Wireless Access Points
- ▶ What existing security products are in place
- ▶ Whether the LAN switches, laptops and desktops are 802.1x compliant
- ▶ The customer's preference for in-line versus out-of-band technologies
- ▶ Preference for broad feature set versus ease of implementation

Vistorm works with customers to determine the requirements for a NAC solution and map to technology options. Vistorm can set up initial trials and implement NAC solutions that are appropriate, scalable, effective, manageable, and integrate with the existing network and security estate.

New threats, new technologies, new solutions *continued*

Server Virtualisation

Graham Francis, Head of Infrastructure
Services Consultancy

Vistorm believe that virtualisation is a key business strategy. It decouples the operating system and the business application from its hardware. This allows the hardware resources to be treated as a single pool of processing power that can be allocated as needed to various software services.

With a virtualised infrastructure, typically using VMware as an enabling technology, everything becomes available capacity. The VMware infrastructure sits on top of that capacity and changes it to a pool of resource that the applications use.

Vistorm's virtualisation solutions are right for you if you need to:

- ▶ Understand what virtualisation can do for you, including a return on investment (ROI) assessment based on your business requirements
- ▶ Provide your business with cost-effective disaster recovery, test and development platforms
- ▶ Reduce the time to build production application environments by 50%
- ▶ Free your business applications from the underlying hardware by managing available computing capacity as a whole and move away from one server: one application architecture
- ▶ Be able to pool your hardware resources so capacity can be added without any interruption to your users
- ▶ Increase your availability without adding complexity
- ▶ Reduce your cost base and reliance on proprietary back-up agents
- ▶ Reduce the amount of time your technical experts spend on providing hardware and software
- ▶ Provide secure locked-down desktop computing for your business or partners, using Virtual Desktop Infrastructure
- ▶ Reduce the effects your computing power has on the environment by reducing your cooling, power and space requirements

Our specialist consultants have the advanced expertise in VMware to ensure that you achieve optimum performance from your virtual server infrastructure. We can provide expert assistance in all aspects of platform configuration and sizing. Our solution architects ensure there is a tangible link between the business requirements and the technical solution. Vistorm can provide an 'end-to-end' solution, encompassing all aspects of virtualisation including physical to virtual (P2V), back-ups, management and monitoring.

Secure Internet Gateway

Lewis Ashton, Solutions Architect

Internet connectivity is vital for almost any company, but for it to be a net asset to the business it must provide more benefits than liabilities. So checking and control of content are essential.

Corporate Internet Gateways provide a basic set of services for corporate users. Email and web access are the primary services, but FTP, encrypted email and web services must also be accounted for. Content checking and control for these services can be built in a modular basis, using a common set of building blocks across all the Internet services. Content checking must be flexible enough to account for granular levels of policy control, yet comprehensive enough to ensure effective application of the controls.

Vistorm's Secure Internet Gateway achieves all of these requirements, and can be provided with full product support. The Secure Internet Gateway gives the following basic controls for the principal content delivery channels:

- ▶ Email routing and relaying
- ▶ Policy-based email user access and quotas
- ▶ Heuristic and signature-based Spam checking
- ▶ Virus checking
- ▶ Spyware checking
- ▶ Key word and key phrase checking
- ▶ Active code and embedded script content checking
- ▶ Resilience and high availability
- ▶ Web access by user authentication, with full audit capabilities
- ▶ SSL content inspection
- ▶ Controls for rich media, instant messaging and alternate client devices

The email channel delivery solution provides the following key technology components:

- ▶ Mail spools and relays
- ▶ Routing capabilities and DNS resolution
- ▶ Content checking
- ▶ Application protocol firewall
- ▶ PGP email
- ▶ Hardware and software load balancing

The Secure Internet Gateway solution is provided with comprehensive logging, audit and MIS reporting capabilities.

'Vistorm can provide an end-to-end solution in virtualisation'

Graham Francis
Head of Infrastructure
Services Consultancy