



HiPath Scurity – Solutions for Network and System Security.


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Stay on the ball.



The productivity of today's companies depends in large part on the performance of their networks and systems. If their servers are down or their communications channels fail, the result is enormous damage that, in hindsight, is often seen to have been avoidable. Protecting the enterprise network is a high-priority task in many ways. On the one hand, you protect your network against threats from outside – computer viruses or Trojans, for example. At the same time, there are considerable risks of misuse of information and violation of confidentiality within the enterprise itself.

Sensitive information must be protected and the use of systems and networks controlled. These are not trivial tasks if mobile workplaces are integrated via a virtual private network or WLAN (wireless LAN) and if more and more voice

communications is going over IP networks. This complexity is accompanied by increased demands on security concepts. Your challenge is to stay on the ball and ensure that your networks and systems stay reliable in the future, too.

End-to-end solutions for data and voice networks.

With its HiPath Scurity® solutions for network and system security, Siemens is the partner for information protection. Our employees have many years of experience in data and voice communications, making them sought-after experts, especially for IP-convergent networks. We offer a full-line solution portfolio comprising products of our own and from leading

partners. Our services range from consulting over a network's entire lifecycle to complete turnkey projects of all sizes.

Apart from HiPath Scurity solutions for network and system security, we integrate smart card-based security solutions and solutions for Identity and Access Management. They allow you not only to raise your information security to a new level, but also speed up work processes and prevent expensive downtimes. You can look forward to fewer risks, yet lower costs.



Fraud

Hackers

Teleworkers

Public infrastructure



Content Security

Virus protection

Firewall

VPN*

IDS*

Penetration Testing

Secure remote LAN access

Enterprise infrastructure



Virus protection

Workplace infrastructure



* Intrusion detection/prevention system
 ° Virtual private network

Far-sightedness is vital.

To ensure the greatest possible security and availability in voice and data communications, you need good planning. It takes specialists with far-sightedness and in-depth product know-how to develop a security infrastructure that can lastingly resist the growing number of new threats. Apart from our own security solutions, we use proven partner products. The following is a description of our portfolio, with which our specialists can help you tackle this challenge successfully.

Secure boundaries for your network: Firewall/ virtual private network/ remote LAN access.

The interface between private enterprise networks and public networks is a sensitive boundary that requires special protection. That is why our specialists configure your firewalls so that data packets only reach or leave your enterprise network if your stipulations allow. We create the relevant rules for you. To enable secure integration of external employees or branches via the public network, there are various possibilities of installing a virtual private network. The IPSec and SSL/TLS protocols encrypt data traffic between two networks or computers and also authenticate the users if required. In a similar way, mobile employees can access your enterprise portal via a secure remote LAN link. The focus here is on Web-based applications via a virtual private network.

Network monitoring around the clock: Intrusion detection/ prevention system.

If you wish to detect possible misuse of your network resources or suspicious behavior in the network, you need an intrusion detection system. This security system analyzes data traffic and sounds an alarm if it detects a potential threat. If an attack is detected, the system is able to isolate infected systems and limit the damage.

Trusted protection against viruses: Content security/virus protection.

It is also possible to analyze the contents of data traffic in the network. The content of Websites, for example, can be examined to determine whether it might be legally questionable. All the Web pages are categorized and permitted or denied in line with your security policy. Analogous mechanisms can also be applied to e-mail. Criminal or offensive content is blocked, and almost all spam is filtered out of your e-mail. It is absolutely imperative for all the data reaching your computer systems to be checked for viruses. We supply best-in-class software and ensure that your antivirus scanners are ready to tackle the latest threats thanks to automatic updates.

Network and System Security

Your advantages at a glance:

- Protection of confidential data and information.
- Reduction in downtimes caused by hackers, viruses, worms, hoaxes or denial-of-service attacks.
- Blocking of spam mail.
- Lower communication costs.
- Protected business processes.
- Enhanced image.
- Vendor-independent end-to-end solution from a single source.



Security in the voice network: VoIP security.

Wherever a HiPath solution is integrated in an enterprise network, we can provide expert services for security matters. To name just one example, we offer a firewall system that analyzes the Voice over IP protocols of the HiPath products right up to the application tier and treats them in accordance with defined rules.

The security solution for small and medium-sized enterprises.

It is not always efficient for small companies to operate their own security systems. That is why we offer a security solution that enables secure e-mail and Internet access via a firewall-protected server. In addition, we configure your Web server and virtual private network access for your branch offices and teleworkers if requested. This end-to-end solution is administered by our specialists by means of remote access. That means you do not have to train your own security administrators, so you ensure low running costs as well as a high level of security.

Security through awareness of risks: Network security consulting.

We advise you in developing a security solution and selecting suitable products. Identifying the right products and then configuring them correctly is a complex challenge. As a general contractor, we are independent when it comes to selecting products from rival vendors and will find the ideal solution for your enterprise. Our experts are also there to assist you in special topics, such as secure configuration of a WLAN.



Strength through
teamwork.

References.

DEVK Versicherungen, Germany – Optimized field service.

This insurance company was able to improve customer support with a security solution for remote LAN access, giving it a competitive edge. Field personnel now access centrally stored customer data by means of a smart card, which has dramatically cut processing times. Confidentiality of the data accessed is ensured. All employees authenticate themselves with their smart card to obtain access via a virtual private network.

Spar AG, Austria – Security infrastructure.

For Spar AG, Austria, Siemens developed a security infrastructure that integrates all the company's stores. This high availability solution enables particularly inexpensive connection of the stores via public networks. Our experts installed a virtual private network via the Internet with suitable firewall systems. The reliable firewalls guarantee the greatest possible fault tolerance and communications security. Moreover, the solution can be administered centrally at little cost. All electronic business processes are now secure.

Jubii, Denmark – Secure access.

This Internet boutique provider depends on maximum availability of its Website and services. At the same time, it wanted to establish a secure means of accessing its internal network. The tailored security solution now means that the required gateways can be configured quickly and easily with a firewall. All updates and upgrades can be installed by remote access. And the best thing about the solution is that the Website's customary level of performance has been maintained.

Munich-Großhadern Hospital, Germany – Telemedicine portal.

The Großhadern University Hospital commissioned Siemens to develop an infrastructure that gives authorized users secure access to patient data via public networks. A security solution for remote LAN access builds on existing systems to protect the centrally stored data against unauthorized access. Data transfer is encrypted throughout. Users authenticate themselves for their role-specific permissions with the aid of a digital signature generated on their smart card.

Hongkong Electric Co., Ltd – Security infrastructure.

To allow an e-business solution to be introduced, the security level of the company's IT infrastructure was first analyzed and a concept for information security created. On the basis of a detailed risk analysis, our experts formulated a security policy and concepts for secure remote access via a virtual private network. The intranet and Internet were separated securely from each other by firewall systems and the interfaces between internal subnetworks secured. Finally, a new awareness for security was established among the workforce. Hongkong Electric Co., Ltd has significantly improved its IT security, and it received all services from just one provider.

Our strengths - your gain.

With its HiPath Security solutions for network and system security, Siemens offers enterprises, government agencies and other organizations the highest level of information security and availability for voice and data networks. As a provider

of end-to-end solutions, our portfolio includes leading products of our own and from partners, all necessary consulting, implementation and outsourcing services, and complete turnkey projects worldwide.

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Siemens Communications is one of the world's largest players in the telecommunications industry, active in more than 160 countries. Unique in global comparison, Siemens Communications consolidates experience and competence in every key market segment – mobile or fixed-line telephones for consumers as well as complex network infrastructures, solution packages and applications for enterprises and network operators. In addition to its hardware and software portfolio, Siemens Communications offers comprehensive service along the entire value chain. For each and every customer, anytime, from A to Z.

On this basis Siemens Communications is developing solutions for tomorrow's communication. The road to the future has a name: "LifeWorks@Com", an innovative concept aiming at making communication easier and more effective. Both in business and private life, for every network and every device. Concentrating on what's important for our customers, that's what LifeWorks@Com and Siemens Communications stand for.

More information about Siemens Communications at www.siemens.com/communications

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