Firewall & VPN Appliance
genustinus
A Strong Protective Screen
Data exchange between various locations via the Internet is cost effective and easy, but must be reliably protected from eavesdroppers and prying eyes. In much the same way, your network also needs to be shielded from Internet hazards. A major requirement is providing secure zones for especially sensitive systems within large networks. Our Firewall & VPN Appliance genuscreen was developed exactly for this purpose – a security solution that creates strongly encrypted virtual private networks (VPN) for data communication via public networks. Sensitive information can be transferred via these connections with high security.

In addition, the high performance genuscreen firewall strictly filters data traffic at the interfaces, and only forwards expressly permitted connections. All other requests are dropped without exception.

The Firewall & VPN Appliance genuscreen has been officially proven to comply with the highest security standards. It has been accredited for the encrypted transmission of data up to the German classification level Restricted, and certified to the level EAL 4+ according to Common Criteria (CC).

High-Security VPN: Approved for Restricted Data

genuscreen can create virtual private networks (VPNs) for the secure transfer of data via public networks. Data traverses the Internet through encrypted connections known as VPN tunnels. This method also securely transfers highly sensitive information between distributed locations, with powerful encryption techniques guaranteeing confidentiality. The genuscreen IPsec VPN solution has the official approval of the German Federal Office for Information Security (BSI) for classification level Restricted. Official public bodies, military units, and contracting companies with access to classified information therefore can safely use the genuscreen application to conveniently exchange restricted information via the Internet, with security guaranteed by the German Federal Office for Information Security. However, genuscreen is not just for companies in the classified area – any organization will benefit from a high-security VPN appliance approved by an independent organization.

Site Connections and Internal Security Zones
SIP Module for Securing IP-Based Communication

The Session Initiation Protocol (SIP) plays a key role in Voice-Over-IP communication, which is being widely introduced as a requirement of developments such as All-IP. As these new technologies also bring new attack vectors with them, IT security has to develop comprehensive solutions to guarantee secure operation. The SIP module is available as a genuscreen option. It uses a rigorous specialized test procedure to ensure data communication is only allowed after the connection has been fully analyzed and found to be secure. The SIP module can also be used for SSL/TLS connections. The module uses Session Border Control (SBC) functions to prevent attacks against telephones and telephone systems, and allows the implementation of security guidelines. In addition, the SIP module ensures interoperability of systems that for example use different encryption standards, as well as simplifying certificate administration.

Seal of Quality: BSI Certificate CC EAL 4+

The purpose of a firewall and VPN appliance is dependable IT security. In complex security systems, whether or not a solution actually delivers on its manufacturer’s promises is often something only experts can gauge. That is why we have turned to the experts of the German Federal Office for Information Security to certify genuscreen. Standard Common Criteria (CC) level EAL 4+ certification represents the industry benchmark, and is the highest level applicable to a complex system such as a firewall. Certification at this level demands comprehensive documentation, submission of source code, and in-depth testing by specialists to accurately assess all security functions. genuscreen has already completed this sophisticated certification process several times, since genua repeats certification with every major product release. Certification is an independent expert guarantee that the Firewall & VPN Appliance genuscreen will truly deliver on our promise of high-quality IT security.

Convenient VPN Solution for a Range of Requirements

genuscreen offers a host of practical benefits for your VPN needs: expertly applied IPsec functions implement large networks with multiple users via a handful of tunnels. Fully meshed high-performance VPNs are available with easy-to-configure settings and low maintenance and computer capacity overhead. genuscreen also is capable of SSH VPNs to connect very different networks quickly and efficiently. Unlike other VPN technologies, IP addresses here do not need to be synchronized for secure communication between networks. genuscreen receives the data transmitted by the sender, and transfers it via SSH VPN to a second genuscreen appliance in the destination network. The data is then securely transmitted to the recipient, irrespective of whether the sender has an IP address from the same subnet. This enables the seamless encrypted integration of new corporate sites, or of customers and partners with IP addresses outside of your administrative reach.

Stateful Packet Filter – Ready for IPv6

genuscreen takes the initiative: The stateful packet filter monitors the status of network connections. An example: If local computer A requests data from computer B in an external network, genuscreen will let the response from B pass to A. However, any attempt by external computer B to establish an unsolicited network connection into computer A’s local network is rejected. The firewall always assesses the context of a connection before accepting or terminating it, thus enabling convenient communication with high security. This of course also applies to IPv6 data communication – our solution fully implements this standard.

Top Bridging Firewall

genuscreen excels as a bridging firewall. It then acts as a stealth security system easily integrated in the existing infrastructure to protect your Internet access or sensitive key systems, such as SAP or development servers. These invisible firewalls are deployed without changing a single IP address, and are sure to be a nasty surprise for attackers!
Service Directly from the Producer
Support for the Firewall & VPN Appliance is available directly from the manufacturer genua. You can also entrust the complete administration of your genuscreen solution to our competent hands. Our specialists will access your systems over strongly encrypted Internet connections and handle all tasks, reliably maintaining your IT security at the cutting edge. We also provide hotline support via telephone and e-mail, as well as a regular update service. For our hardware we provide Germany-wide next business day replacement service: if one of your appliances breaks down, you will receive an identical exchange unit on the next working day. We also ship exchange units to international locations, but due to shipping restraints cannot guarantee delivery until the next working day. Depending on the hardware model, this service is free up to three years after purchase.

Teamwork in Clusters and Centralized Administration
genuscreen is packaged in a variety of hardware configurations to cater to wide-ranging performance requirements. Clusters handle even greater bandwidth and availability requirements: all of our variants can be bundled as high-performance clusters. genuscreen is administered via its own Web-based GUI. Customers using multiple genuscreen firewall & VPN appliances or other genua solutions can manage the full range of systems efficiently via the Central Management Station genucenter. genucenter monitors the current status of each system and can be used to efficiently modify and transfer configurations, and apply updates to entire areas. genuscreen – minimal outlay, top notch network-wide security.

Further information:
www.genua.eu/genuscreen

About genua
genua is a German company specializing in IT security. It has been securing networks and developing sophisticated security solutions since the company was founded in 1992. Our business activities range from securing sensitive interfaces in public authorities and industry to networking highly critical infrastructure, reliably encrypting data communication over the Internet, remote maintenance solutions and providing remote access for mobile users and home offices. Our solutions are developed and produced in Germany. Many companies and public authorities rely on solutions from genua to protect their IT. genua is a member of the Bundesdruckerei Group.