Firewall & VPN Appliance genuscreen

A Strong Protective Screen

genua

Security first.

genuscreen: Premium Protection for Networks and Data Transfers

It is imperative to guard your network against the dangers of the Internet. In addition, sensitive systems in large networks often need additional protection, a further deman is the encrypted data transfer between distributed locations. The genuscreen security package has been developed with exactly this in mind: A high-performance firewall filters data traffic at interfaces with high accuracy, permitting only explicitly authorized connections and rigorously blocking all other data requests. The optional virus scanner add-on also removes malware from Web and e-mail traffic. The genuscreen package establishes high-encryption virtual private networks (VPNs) via public networks, and securely transfers highly sensitive information. Common Criteria (CC) EAL 4+ certification and official approval for the encrypted transfer of data classified as "restricted" are testimony to the genuscreen firewall & VPN appliance's compliance with the most stringent security requirements.

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 to 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! Make a phone call over VoIP? Sure! genuscreen handles voice data and secures the well-known SIP protocol. As Voice over IP (VoIP) depends on reliable performance, you will benefit from our firewall's sophisticated bandwidth management. Important protocols can be preferred during data transfers, thus reliably reserving bandwidth needed for VoIP.

Zoning with Bridging Firewalls
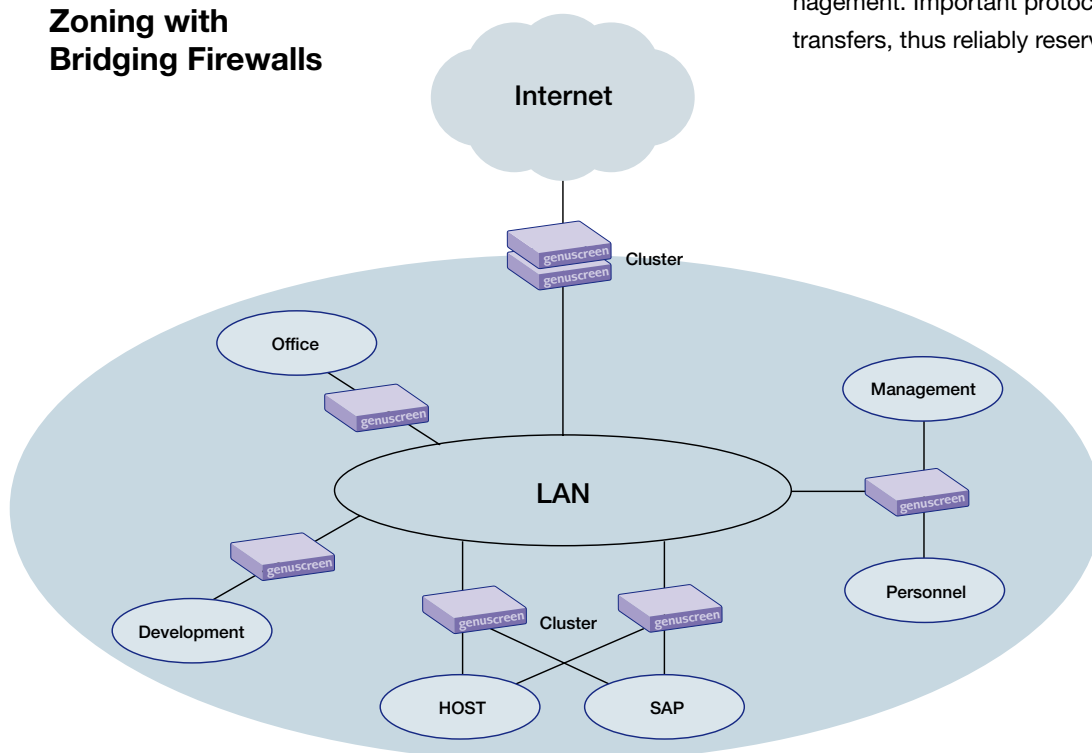
High-Security VPN:
Approved for Restricted Data

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.

Convenient VPN Solution
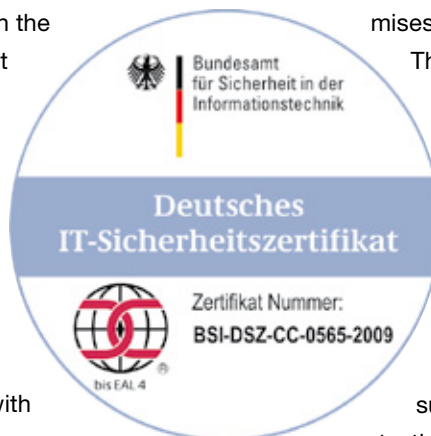## for a Range of Requirements

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.
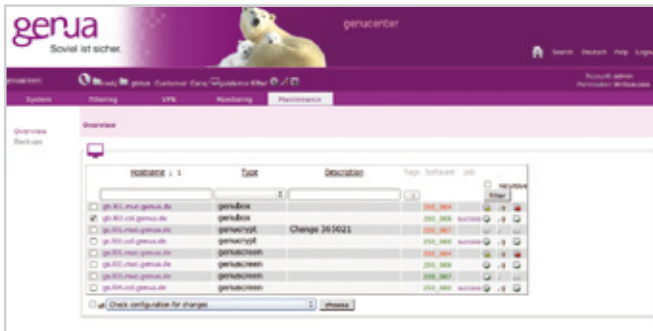
Seal of Quality: BSI Certificate CC EAL 4+

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 (BSI) 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 genus repeats certification with every major product release. Certification is an independent expert guarantee that the genuscreen firewall and VPN appliance will truly deliver on our promise of high-quality IT security.

Bundesamt
für Sicherheit in der
Informationstechnik

**Deutsches
IT-Sicherheitszertifikat**

Zertifikat Nummer:
BSI-DSZ-CC-0565-2009

bis EAL 4

All systems in view through management station genucenter

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 genucenter Central Management Station. 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.

Service Directly from the Producer

Support for the firewall & VPN appliance is available directly from the manufacturer genua. You also can 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.

Further information:

www.genua.eu/genuscreen

Your Benefits from genuscreen:

- ▪▪ Stateful packet filter for high security
- ▪▪ Bridging firewall for internal security zones
- ▪▪ Optional virus scanner for Web data and e-mail
- ▪▪ Intelligent bandwidth management
- ▪▪ Official approval for classified data VPNs
- ▪▪ Sophisticated VPN functionality
- ▪▪ High bandwidth and availability through clusters
- ▪▪ Central administration by management station
- ▪▪ Full IPv6 functionality
- ▪▪ Quality guaranteed by CC certification
- ▪▪ Customer service directly from the manufacturer

About genua

genua is a German IT security specialist. Since our company was founded in 1992, we have been involved in securing networks and providing sophisticated solutions. Our products comprise firewalls certified to the international Common Criteria (CC) standard, high-security gateways and diodes for sensitive network interfaces, VPN and remote maintenance solutions, and a wide range of services. Many large and medium-sized companies and authorities rely on us, using our solutions and services for their IT security.

SecurITy
made
in
Germany

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