



genucrypt

VPN Appliance for Secure Data Exchange

With genucrypt, you can now communicate via public networks in complete confidentiality, just like in a private, face-to-face meeting. Our solution encrypts your data and establishes secure connections – Virtual Private Networks (VPNs) – safely through the public area. This allows data to be exchanged on the Internet in a convenient and reliably protected manner, for example between distributed networks of one company. In addition, with genucrypt there are no limits to the number of individual clients you can connect, allowing you to set up as many VPN connections as you need to link complex networks securely. A sophisticated bandwidth management system ensures that important data always has priority in the VPN tunnels and is sent immediately to the recipient.

Large VPN with only a few Tunnels

genucrypt allows you to connect any number of local networks using a VPN – all without the need to establish a complex maze of VPN tunnels. The intelligent application of IPsec functions permits many individual connections between networks via a greatly reduced number of VPN tunnels. Thus, several individual connections, strictly separated from one another, can pass through each tunnel. This minimizes expense in terms of configuration, maintenance, and computer capacities, while at the same time eliminating a large number of error sources.

Straightforward: genucrypt as a Bridge

You do not need to change your network structure to set up VPN. genucrypt can be simply inserted in an existing



network as a bridge. From this point on, it encrypts all communication with the other networks involved. Even a large-scale VPN infrastructure can be easily managed, as each participant's connection is controlled by a central management server. That means you can install and operate a powerful VPN with very little outlay to securely exchange data between your distributed networks, and flexibly extend the system as your requirements change.

Bandwidth Management for Sensitive VoIP Communication

The genucrypt VPN implementation is also ideally suited for Voice over IP (VoIP). This means your conversations are protected from unauthorized listeners, and adequate bandwidth always is guaranteed for the sensitive telephony protocol. The reason is that our VPN appliance features a sophisticated bandwidth management system. This lets you specify preferred protocols for data transfer using particularly demanding applications such as VoIP, SAP, or even videoconferences.



Secure Encryption and PKI

genucrypt meets the strictest security requirements. Your data is encrypted conforming to highest standards using strong algorithms. Optionally, keys can be created, administered, and distributed to external tokens on the VPN appliances using a Public Key Infrastructure (PKI) with a central server. There are then no keys on the device itself, so that the appliance is immediately removed from the VPN by removing the token. Additionally, genucrypt can already function securely with IPv6, so that our customers can be assured of having installed a top-quality, future proof solution.

Always Securely Connected with Clusters

Critical communication connections need to be absolutely fail-safe. To ensure this is the case, genucrypt can be deployed in high availability clusters; the bundled appliances then distribute tasks with load sharing. If one system fails, team members immediately take over its active connections. In addition, you will instantly receive an alarm message, if an appliance or a connection does not work properly. You can always rely on optimum performance and total availability from your VPN connections! The VPN appliance is administrated via a Web GUI. If you have deployed several appliances, administration is comfortably performed via the user-friendly Management Station genucenter. In order to meet varying requirements, we supply genucrypt in several hardware variants, ranging from a maintenance-free, compact appliance up to rack server solutions for high data throughput.

Further information:
www.genua.eu/genucrypt

www.genua.eu

Comprehensive Service Directly from the Manufacturer

VPN appliance support is available directly from genua. We also are happy to handle the complete administration of your genucrypt solution for you. Our specialists then perform all necessary tasks, using heavily encrypted Internet connections, thus ensuring that your VPN functions reliably and remains state of the art. We also provide hotline support, responding to all your queries by telephone or e-mail, as well as a regular update service.

Your Benefits from genucrypt:

- Confidential communication via public networks
- Secure coupling of distributed company networks
- Simple creation of large VPNs using bridging functionality
- Instant alarm to indicate problems
- Convenient administration via central management station
- Bandwidth management for demanding protocols
- Fail-safe operation with high-availability clusters
- High performance based on load sharing
- Customer service directly from the manufacturer

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.

SecurITy
made
in
Germany

genua gmbh, Domagkstrasse 7, 85551 Kirchheim, Germany
tel +49 89 991950-0, info@genua.eu