

genuscreen Attestation Server

Trust anchor for
confidential computing



Virtual Private Network (VPN)

Professional protection for data transfers and networks

Trust Anchor for Attestation in Confidential Computing Applications

With cloud computing applications, users face the challenge of protecting confidential data not only during storage and transmission but also during processing.

Confidential computing provides this data protection within an isolated environment known as an enclave. The crucial mechanism is attestation: it uses cryptographic methods to verify that the code within the enclave remains unaltered and is executed correctly.

genuscreen Attestation Server is a dedicated functional mode of genuscreen that, acting as a central trust anchor, ensures the integrity and authenticity of the processing environment.

» genuscreen Attestation Server enables the verification of the integrity and authenticity of workloads running in a Trusted Execution Environment (TEE).

genua.



Your Benefits at a Glance



Cryptographic verification of the confidential computing application environment



Secure data processing through protection against compromised hosts



Ensuring compliance and data protection through proof of code and data integrity



Basis for confidential collaboration among multiple parties (multi-party computing)



Strengthens the trustworthiness of cloud providers serving regulated target groups



Promotes the digital sovereignty of cloud providers through IT security made in Germany

Interested? Contact us:

+49 89 991950-902 or sales@genua.de

SecurITy
made in Germany

SecurITy
made in EU

Processing Confidential and Classified Data in the Cloud is Challenging

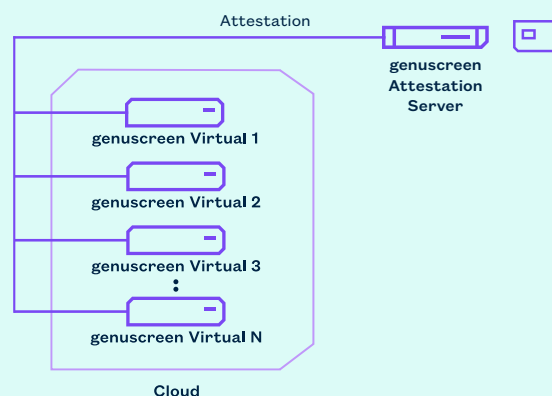
Organizations with stringent security requirements also seek to benefit from the scalability, efficiency, and cost advantages of cloud-based data processing. Specialized cloud providers are developing new business models for this target group. However, without trustworthy attestation, a user cannot be confident that their data will not be compromised by the platform or other workloads.

genuscreen Attestation Server protects “data in use” by executing data processing within an attested – and therefore trustworthy – environment. Backed by verified cryptographic security, genua supports cloud offerings for organizations with the highest security standards.

genuscreen Attestation Server – the Ideal Complement to genuscreen Virtual

genuscreen Virtual supports the execution of security-critical VPN and firewall applications within trusted confidential computing application environments.

genuscreen Attestation Server complements this: the integrated attestation client of genuscreen Virtual communicates with the attestation server via a proprietary protocol, verifying the integrity and authenticity of workflows. This creates a holistic security chain – specifically designed to meet the highest trust requirements of regulated organizations.



genuscreen Attestation Server ensures the integrity and authenticity of the processing environment

Reasons Why

- Experts for the IT security of companies and public organizations
- Offer of a comprehensive, modular IT security portfolio
- Quality without compromise for all products, services, and processes

genua – Excellence in Digital Security

genua develops innovative, reliable as well as market-shaping products and solutions. Whether in the public sector, for the operators of critical infrastructures, in industry or in the protection of classified information: we provide answers to the IT security challenges of today and of tomorrow.

Further information:
www.genua.eu/genuscreen



genua GmbH

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