



DATASHEET

Digital Signing Service

Everything you need to deploy digital signatures in one scalable, cloud-based service

With GlobalSign's highly scalable, cloud-based Digital Signing Service, you can deploy digital signatures into any application with one simple REST API integration. This means all supporting cryptographic components, including signing certificates, key management, timestamping server, and OCSP or CRL service, are provided in one API call with minimal development or overhead needed and no on-premises hardware to manage.

The Digital Signing Service is the first solution on the market to do this. Other deployments require you to source these components separately and set up your application to make separate calls to each service, which requires internal development resources with advanced cryptography knowledge.

FEATURES

- Build trusted digital signatures into existing document workflow solutions
- Outsource cryptography and PKI to a trusted third party CA
- All crypto components included – signing certificate issuance, timestamping, OCSP or CRL service
- Easy integration via API or SDK and high throughput scale to meet signature demand
- No on-premises hardware to manage
- Sign with individual or department-level identity

	Digital Signing Service	Traditional Digital Signature Deployments
Integration with document signing applications	Via simple REST API	Requires internal cryptographic expertise to configure and maintain
Cryptographic signing components (e.g., certificates, OCSP, CRL, timestamping)	Included in one API, no advanced crypto knowledge or development resources needed	Sourced separately, require separate calls from application and internal development resources to configure
Scalability	Highly scalable - no additional configuration or integration needed	May require additional hardware and configuration
High availability and disaster recovery	Delivered via GlobalSign's WebTrust-audited robust infrastructure with global data centers, redundancy, and world-class instrumentation protecting the network	Requires additional on premise hardware investment
Private key management and storage	Handled by REST API - no internal resources or hardware required	Customer responsible for sourcing key management and storage (i.e., via cloud or on-premises HSM)
Signing identities	Individual or department-level identities are supported (e.g., John Smith, Accounting)	Not all deployments support both types of identities

Trust & Compliance

Publicly trusted digital signatures are key to having your signed documents trusted by default in Adobe and Microsoft applications. GlobalSign is a member of Adobe's Approved Trust List (AATL) and Microsoft Root Trust program, so our digital signatures are automatically trusted.

Regulatory compliance is essential for the legal standing of your digital signatures. GlobalSign signatures can help you meet the requirements of many national and industry-specific regulations, including:

- US ESIGN (Electronic Signatures in Global and National Commerce)
- US UETA (Uniform Electronic Transactions Act)
- UN Model Electronic Signature Law
- eIDAS (advanced signatures, eSeals)
- FDA CFR 21 Part 11
- US State Professional Engineering (PE) Seals
- EMA eSignature Capabilities
- Sarbanes-Oxley (SOX)
- HIPAA

Who Needs Scalable Digital Signing?

The Digital Signing Service aims to make digital signatures accessible to all organizations, whether you are building or commissioning a custom built application and looking to integrate digital signing into it, or looking to use a seamlessly integrated application.

Providers of document workflows or applications who want to integrate digital signatures or seals, or offer them as premium features to clients

The Digital Signing Service makes it easy for document workflow or management service providers to implement digital signatures and seals using one restful API call – no internal cryptographic expertise is needed and the service scales to accommodate growing client bases (up to thousands of signatures per second).

The flexible service supports multiple business models. For example, service providers can add an extra layer of security and trust to their clients' documents by applying digital or certifying seals, which include a third-party timestamp and help protect the document contents against tampering. Another option is to offer digital seals or signatures in the name of the client company as a premium service, providing a true end-to-end signing solution.

Enterprises who want to integrate digital signatures or seals with existing document workflows

The Digital Signing Service provides all the cryptographic components you need to add digital signatures or seals to existing document workflow solutions, without requiring internal PKI expertise or hardware maintenance. Digital seals or certifying signatures to timestamp and create a tamper-evident seal on document contents, while digital signatures provide a secure and trusted way to replace wet ink signatures and enable industries facing e-signature regulations (e.g., architecture, engineering, construction (AEC), pharmaceutical, life sciences, healthcare, financial, etc.) to meet compliance.

System integrators who want to add trusted digital signatures and seals to their solution suite

Thanks in part to recent regulations like eIDAS, the demand for trusted and legal digital signatures has never been greater. GlobalSign's Digital Signing Service helps system integrators meet this demand by bundling all the cryptographic pieces needed to create compliant signatures into one service, which easily integrates into existing document workflows or applications with one API call. System integrators can provide their clients with a true end-to-end signing solution that eliminates many of the traditional barriers to adoption, such as cost, maintenance, and internal PKI expertise.

About GlobalSign

GlobalSign is the leading provider of trusted identity and security solutions enabling businesses, large enterprises, cloud service providers and IoT innovators around the world to secure online communications, manage millions of verified digital identities and automate authentication and encryption. Its high-scale Public Key Infrastructure (PKI) and identity solutions support the billions of services, devices, people and things comprising the Internet of Everything (IoE).

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