KhatimDoc

High Trust, Flexible, Contract Signing with Digital Signatures

- **Unleash the Potential of Cryptographic Digital Signatures**
- **Sign Swiftly, Enhance Productivity & Cut Paper Expenses**
- **Self-host KhatimDoc having 100% control over your documents**
- **Compliant with eIDAS, ESIGN Act, UETA and more**
- **Boost Collaboration, Workflows & Integrations**

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Signing Date: 2 April 2022, 4 PM

Ahmed Ali

In the era of digital transformation, where mundane paperwork is a thing of the past, prepare yourself for an extraordinary experience with KhatimDoc's unparalleled online contract signing solution with the power of digital signatures.

With KhatimDoc, you'll embark upon a thrilling journey of **Secure** and **Legally binding** contract signings that will revolutionize the way you do business. Picture the excitement of effortlessly applying your digital signature, infused with cutting-edge cryptographic technology, ensuring the utmost authenticity and integrity of your documents.

"Stop using paper based workflows by unlocking the power of on-premise trusted digital signatures"

Any Place   **Any Device**   **Any Time**

What makes KhatimDoc standout?

Self-Managed
Unlike other e-signature solutions in the market that only offer SaaS options, KhatimDoc gives you the freedom to **self-host**, empowering you with enhanced control and security over your company documents.

Not e-signatures, its Digital Signatures
Gain the confidence of knowing that your contracts are secure and legally binding with advanced long term **eIDAS-compliant** digital signatures. Protect the integrity of your agreements and eliminate the risk of tampering.

Enterprise Driven
Set up Organization & Team accounts and manage them from a single portal. Set up fine-grained roles and rights across the entire enterprise. Delegate control to multiple admins to allow quick management & audit.

Benefits of Self hosting vs SAAS

Features	KhatimDoc	Others
Deployment Model	✅ On-premise, giving full control to the organization.	❌ Cloud-based, hosted by a third-party.
Data Control	✅ Documents are securely stored within the organization, ensuring full ownership and minimal risk.	❌ Documents are hosted on SAAS servers, increasing dependency on third-party infrastructure.
Cybersecurity	✅ Reduced risk of cyberattacks with data remaining on-premise.	❌ Higher potential risk as sensitive data is stored on external servers.
Customization	✅ Highly customizable to meet specific organizational needs.	❌ Limited customization, constrained by cloud-based deployment.
Integration	✅ Integrates seamlessly with enterprise systems (ERP, CRM) in a controlled environment.	❌ Cloud-first integration, which might require additional security reviews for sensitive systems.
Compliance	✅ Ensures compliance with policies and regional regulations through on-premise control.	❌ Compliance with general industry standards but limited by cloud-hosting jurisdiction.
User Privacy	✅ Ensures complete privacy as data never leaves the organization.	❌ Privacy depends on the third-party cloud provider's terms and conditions.
Scalability	✅ Scales within the organization's infrastructure, giving complete control over upgrades.	❌ Scales in the cloud but depends on third-party provider capabilities.
Operational Costs	✅ Initial setup cost for on-premise but lower recurring costs.	❌ Subscription-based model with ongoing costs tied to cloud hosting and usage.
Offline Availability	✅ Accessible offline within the organization's network.	❌ Requires internet connectivity for most operations.
Data Backup and Recovery	✅ Fully managed in-house with custom backup policies.	❌ Managed by SAAS Provider with predefined backup and recovery protocols.

Features Comparison

	KhatimDoc	Competitors
Local Signing with Smart Cards	✓	✗ No support
Branding	✓	✗ Single brand
Adobe Acrobat Compatible	✓	✗ Only e-signatures
Advanced digital signatures (PAdES)	✓	✗ Only e-signatures
Cryptographic Agility	✓	✗ Only RSA supported
On-premise Deployment	✓	✗ Only Cloud option
Allow Esign, Natural Personal Signing OR ESeal	✓	✗ Only Esign or ESeal
Pay One Time	✓	✗ Recurring payments
User Portal & Central Doc Gallery	✓	✓
Built in Workflows (Serial, Parallel)	✓	✓
E-Signatures & Form Filling	✓	✓
Document Tracking, Templates	✓	✓
Built in Document Viewer	✓	✓

*The biggest advantage KhatimDoc gives compared to others is that it provides **On-Premise solution**.*
More control > More Security > More Trust!

Standard & Compliant

Supports industry regulations, including:

- eIDAS, ESIGN Act
- UETA, HIPAA
- FDA 21 CFR Part 11

Sign any time, any where

Enable seamless collaboration across time zones, allowing stakeholders to sign documents anytime, on any device, for faster workflows.

Enterprise Management

Streamline administration by managing organization and team accounts, inviting members, and configuring templates, documents, and agreements globally.

Approve, D-Sign or E-Sign

Create and manage multiple serial or parallel workflows by adding reviewers or signers. Signers can do either e-signatures or digital signatures with either Smart Cards or keys held in HSMs.

Agreement Notices

Enable document owners to set agreement notices for recipients before signing, ensuring transparency and informed decision-making.

Central Gallery & Templates

Create a central document gallery for quick access to frequently used files and save time with templates that include pre-configured documents, recipients, roles, and rights.

Builtin Notifications

KhatimDoc's notification engine alerts recipients via email or SMS for pending documents and notifies owners upon workflow completion.

Adobe Reader Compatible

KhatimDoc's digital signatures are Adobe Reader-compatible and comply with the PAdES standard, ensuring global acceptance, easy validation, and industry-grade security.

Seamless User Experience

Breeze through workflows, packages ensuring a smooth and intuitive document management journey.

Branding

Customize your document management with our white-label solution, featuring personalized logos and theme colors to reflect your brand.

Cryptographic Agility

KhatimDoc server supports diverse cryptographic requirements such as RSA, ECDSA & SHA algorithms with upcoming support of Post Quantum Cryptography.

Package Signing & Form Filling

Streamline multi-document processing by bundling files with multiple signers or approvers. Collaborate using form fields, initials, e-signatures, and digital signatures.

Document Security & Tracking

All documents are stored securely (using AES 256 based encryption). Owners can easily track areas such as package states, processing date/time e.g. signed, approved or declined.

API Integration

Integrate KhatimDoc's Restful APIs for seamless user enrollment & workflow initiation with your ERP, ECM and CRM.

Fine grained User Rights

Control user rights using document access PIN, OTP, private email notices and access time limits for your corporate packages.

Powerful PKI Engine with PQC

Integrate with Khatim PKI Server for secured digital signature creation, certificate life cycle management & *Post Quantum Cryptography!*

Multiple Signing Modes

Generate digital signatures using HSM-held private keys or Smart Cards for enhanced security and convenience.

Cross Platform Deployments

Allows highly available deployment options adapting to your environment including *on-premise private* or public cloud, VMs.

Globally Trusted Digital Signatures

Adobe Trusted Digital Signatures

KhatimDoc seamless compatibility with Adobe Acrobat Reader, offers globally trusted digital signatures ensuring not only compliance with international e-signature regulations but alsodelivers a user-friendly experience for global stakeholders.
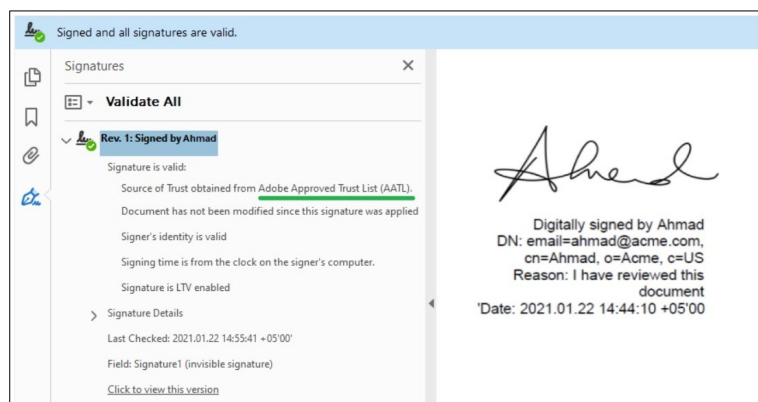
Adherence to PAdES Standard

KhatimDoc fully supports PAdES standards, enabling organizations to embed essential validation data directly within the signed document. This ensures that signatures remain verifiable for years, independent of external systems.
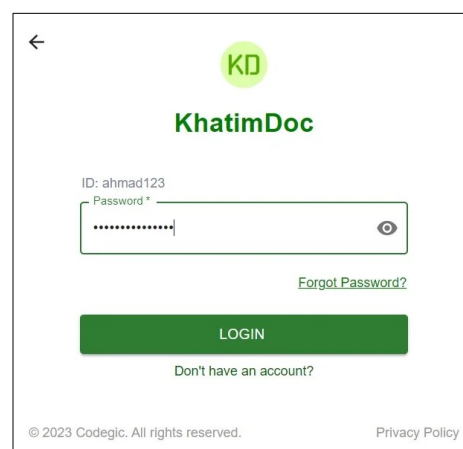
Success Story

*"We recently had the pleasure of working with the talented team at Codegic to develop an **e-signing platform**. Their knowledge of the latest technologies and industry best practices was evident in every aspect of their work, and they were able to deliver a high-quality product that met all of our requirements."*

Calvin Tan, Director, Hiend Software Pte Ltd

Application Users

For better security and management, KhatimDoc allows multiple users to access based on their roles. These are:

1. Organization Admins: Sets up the system

2. Team admins: Manages the team and its administration

3. Team users: Manages only their accounts to send contracts and documents to approve and digitally sign

Deployment Architecture

A typical deployment of KhatimDoc requires the following architectural components spread across different zones for better security:

- **DMZ:** Contains proxy servers

- **Applications Zone:** KhatimDoc components including KhatimDoc API, Web Portal and KhatimDoc Admin components

- **Internal Zone:** Database, HSMs & email servers

System Provisioning

Once installed, KhatimDoc Admin needs to perform the following operations:

1. Sign up & Login to the KhatimDoc portal

2. Setup Organization Templates, Document Gallery, Agreement Notices, Contacts

3. Setup teams account e.g. Accounts, Sales etc & provision users inside Team account

Once done, individual team members get invitations to join the team or organization. After sign-up/login, team members can upload business contracts or use templates to start sending contracts for approval/ signatures.

Natural Person Signing vs E-Seal

Along with Esign, KhatimDoc allows businesses to:

1. Create natural person digital signatures

2. E-seal (a corporate digital signature) generated at the end of the workflow
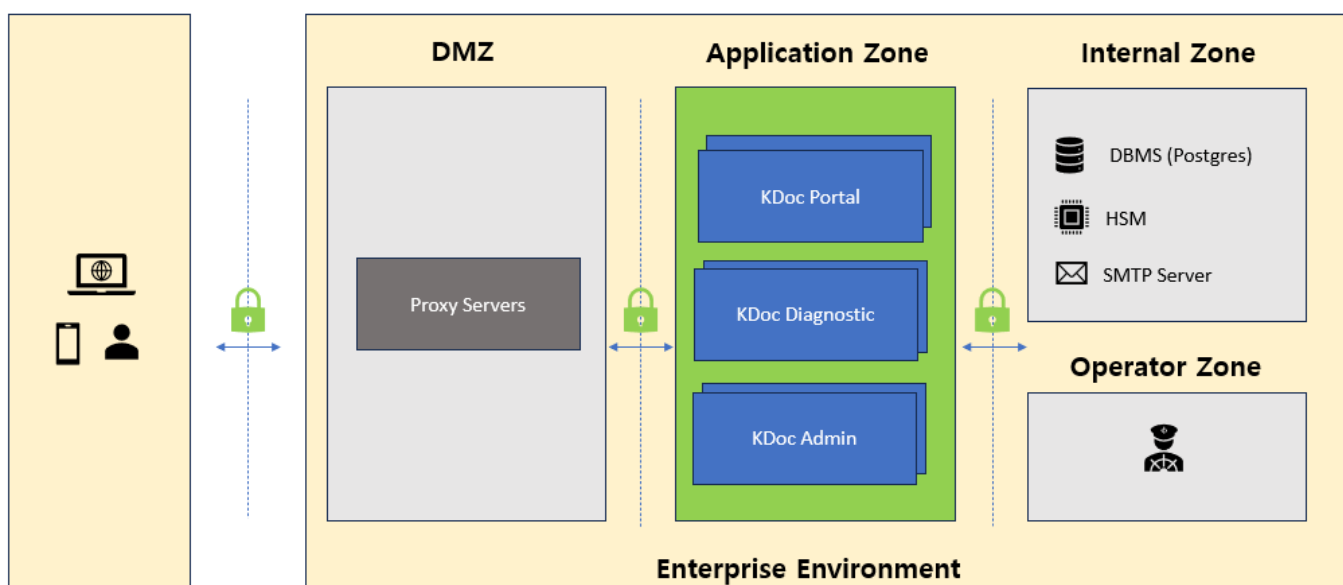
Save Climate & Raise Productivity

Save 190 Mt of CO2

Pulp and Paper – Analysis – IEA

44%

Organizations feel that using manual documentation they are at risk of losing 44% of their customers and 51% of their revenue.

Stop Global Warming

UN Climate Change 2023: Synthesis Report

55 %

Agree that accelerating document processing is a top benefit of adopting digital documentation.

*Forrester

Technical Details

Algorithms / Protocols	• RSA, ECDSA, PKCS#11 • Syslog, SMTP, HTTP, HTTP/s, REST • PAdES-BES, PAdES-T, PAdES-LT • Dilithium (Post Quantum Cryptography)
Supported OS / Languages / H/W	• All flavors of Windows Server & Linux *(Centos Stream, Ubuntu, RedHat, Fedora)* • 50 Languages including English, French, Spanish, Arabic, Chinese, Japanese, Italian, Polish, Swedish, Russian & more. • 8 GB RAM, 2 vCPU (2.3 GHz), 10 GB Hard disk

Codegic

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Certifications
- ISO 9001:2015
- ISO 14001:2015
- ISO 27001:2022

Codegic is a security provider specializing in innovative PKI and Digital signatures products and services. Codegic delivers easy to use PKI products for areas like PKI, Document Signing, Timestamping, PKI Monitoring, Digital Certificates issuance and more. We utilise all the latest technologies to help companies and enterprises solve complex security issues that always emerge during their digital evolution journey.

Learn more at www.codegic.com