



ENTRUST

Entrust and its nFinity Technology Partners Enable eIDAS-Compliant Electronic Signing

Solutions deliver legally-binding cross-border transactions

HIGHLIGHTS

- Provide robust advanced and qualified electronic signing
- Create secure electronic signatures with full legal validity
- Maximize flexibility through web and mobile capabilities
- Support a wide range of deployment environments
- Comply with Common Criteria and eIDAS regulations

The Challenge:

Implementing a user-centric, compliant signing service that can be easily integrated with service and identity providers.

Business today is increasingly conducted online through digital, paperless means. When legally-binding transactions are executed remotely,

trusted mechanisms recognized by all parties involved ensure legitimacy and non-repudiation. To make certain that electronic signatures receive the same legal recognition as those created in traditional user-managed environments, cryptography and the protection of associated signing keys must be employed to guarantee reliability and control.

The European Union regulation on electronic identification and trust services for electronic transactions (eIDAS) establishes the common standard that enables legally-binding cross-border business across Europe. An eIDAS-compliant remote signing service must be set up in accordance with specific standards and cover a large number of end-users with a variety of devices. It also requires strong integration capabilities to identity providers and public key infrastructure (PKI) services, while maintaining a transparent user experience.

Learn more about Entrust nShield HSMs and eIDAS at [entrust.com](https://www.entrust.com)

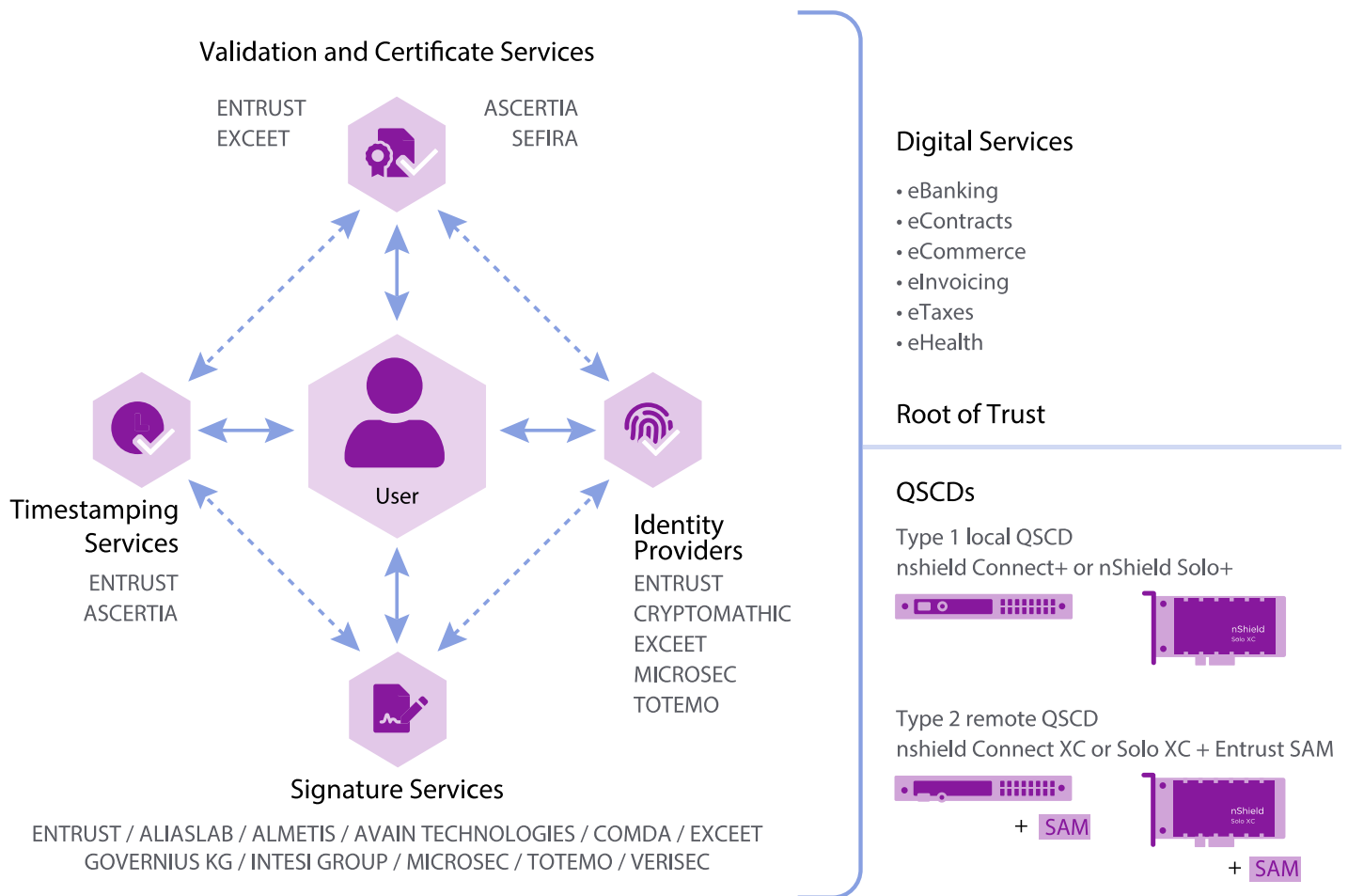


nShield HSMs and eIDAS-compliant Electronic Signing

The Solution:

eIDAS-compliant remote electronic signing platforms with a strong cryptographic root of trust

Entrust works with partners across Europe to develop eIDAS-compliant electronic signing platforms that are secured with Entrust nShield® hardware security modules (HSMs) on-premises or in the cloud.



By generating legally-binding qualified electronic signatures and qualified electronic seals, these solutions enable public and private organizations from industries such as banking, insurance, and healthcare to capitalize on the opportunities brought by the eIDAS Regulation regarding the implementation of paperless processes and digital cross-border business. Entrust partners have developed numerous systems tailored to the specific ease-of-use and transparency needs of customers.



nShield HSMs and eIDAS-compliant Electronic Signing

Entrust nShield HSMs integrate with partner solutions to provide comprehensive logical and physical protection of signing keys. The combination delivers an auditable method for enforcing security policies and facilitates regulatory compliance. nShield HSMs enable customers to:

- Secure keys within carefully designed cryptographic boundaries that use robust access control mechanisms, so they are only used for their authorized purpose
- Ensure key availability by using sophisticated management, storage, and redundancy features to guarantee they are always accessible when needed by the signing platform
- Deliver superior performance, resilience, and scalability to support demanding digital signing applications

In addition, Entrust offers a suite of digital signing solutions that cover both current and future eIDAS compliance needs, including:

- Entrust nShield Connect+ HSM certified as a qualified signature creation device (QSCD) under Common Criteria EAL4+ and per the current eIDAS Regulation - EU 910/2014
- Entrust nShield XC HSM certified under Common Criteria CEN EN 419 221-5 combined with the Entrust Signature Activation Module (SAM) - CEN EN 419 241-2 provide a fully-compliant QSCD

The Entrust nShield difference

Entrust nShield HSMs are among the highest-performing, most secure, and easy-to-integrate HSM solutions available. They facilitate regulatory compliance and deliver the highest levels of data and application security for enterprise, financial, and government organizations.

Our unique Security World key management architecture provides strong, granular controls over access and usage of keys. Entrust nShield HSMs:

- Easily integrate with digital identity and signing platforms
- Are available as an on-premises platform and/or as a service for greater flexibility
- Provide a certified Common Criteria EAL4+, eIDAS, and FIPS 140-2 Level 3 root of trust
- Facilitate auditing and compliance to cybersecurity standards and regulations
- Support organizations' computing needs across a myriad of infrastructure environments
- Secure customer migration between computing environments including on-premises, cloud, and hybrid
- Flex and scale in dynamic digital identity and signing environments



nShield HSMs and eIDAS-compliant Electronic Signing

nFinity Technology Partners

nFinity Technology Partners include providers of digital signing solutions that incorporate an Entrust nShield HSM root of trust, ensuring delivery of enhanced security for electronic signatures.

Learn more

To find out more about Entrust nShield HSMs visit entrust.com/HSM. To learn more about Entrust's digital security solutions for identities, access, communications, and data visit entrust.com

ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.



Learn more at
entrust.com



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