Swisscom Trust Services

Managed QES Service with Internationally Recognized Legal and Privacy Assurances

Selected Signing Service - Powered by Cryptomathic and Swisscom Trust Services

Qualified remote signing and WYSIWYS service

The best way to deliver Qualified Electronic Signature (QES) services across different channels is to use remote signing technology. It integrates smoothly with any web application and does not require any software install, plug in or additional components and can be used anywhere, at any time, from any device with browsing capacity. Qualified remote signing provides the highest legal value and international acceptance, while *What You See Is What You Sign* (WYSIWYS) technology delivers a seamless user experience with strong non-repudiation. Combining QES with WYSIWYS is a strong enabler for businesses to provide ultimate security, trust and convenience with online transactions. This is exactly what the joint *Selected Signing Service* offers, namely the possibility to offer Advanced or Qualified Electronic Signatures using a zero-footprint remote signing hosted service, featuring WYSIWYS functionality.

Non-repudiation and convenience

Non-repudiation is critical for maintaining security and trustworthiness for any business. The WYSIWYS technology ensures that users can be confident that what they see on their screen hasn't been tampered with and that only an authentic document from the business can be signed. WYSIWYS, combined with audited security protocols, provides strong evidence in a court of law of the authenticity of a signature and its origin. Users can thereby sign legally binding documents or transactions from any connected device wherever they are - providing the best combination of security and user convenience.

Solution benefits

✓ **Offer Advanced or Qualified Electronic Signatures** compliant with the Swiss signature law, ZertES, and the EU eIDAS regulation on trust services.

✓ **Extend the use of Qualified Electronic Signatures outside EU and Switzerland** by using a Third Party CA. The private signature keys are kept securely in Switzerland and signing is done in Swiss Data Centers on behalf of Third Party Certificates.

✓ **Improve the users' signing experience for all channels** including web portals, desktop applications, mobile & tablet platforms.

✓ **Demonstrate unrivalled non-repudiation** with WYSIWYS funcionality.

✓ **Solve data privacy problems** as the document remains in the domain of the application provider.

✓ **Reduce initial and operational costs** in contract or transaction signing with no need for additional hardware - eliminate smartcards, card readers and local software install; simply use the existing 2FA mechanisms to let users sign.

✓ **Go green** by enabling end-users to digitally sign documents and transactions, thereby reducing paper consumption.

How the service works

The Selected Signing Service combines qualified Trust Services from Swisscom Trust Services with Cryptomathic's Signer and WYSIWYS technology, offering a fully managed remote signature service at the highest level of security and convenience. The service architecture is illustrated below.
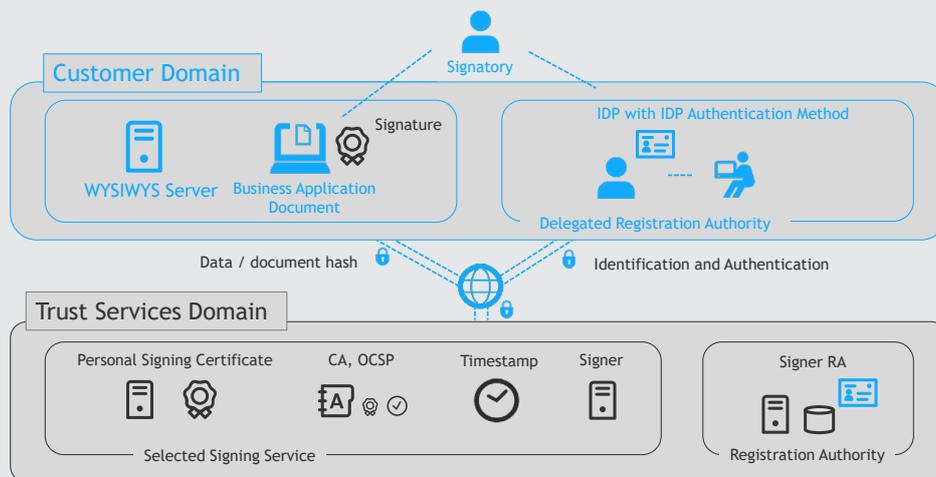
When a document needs signing, it is securely rendered in the user's browser through Cryptomathic's WYSIWYS technology, ensuring that only the authentic document can be signed. The only integration point for the Application Provider is the WYSIWYS server. For compliance to privacy requirements, the document never leaves the Application Provider domain, as only the hash value is exchanged between the WYSIWYS Server and the Selected Signing Service. All JavaScript libraries required by the WYSIWYS Client to perform a signature process are hosted within the Cryptomathic WYSIWYS Server.

Cryptomathic WYSIWYS Server

Cryptomathic's WYSIWYS Server is a web application which provides the zero-footprint interfaces to the user´s browser or app, to deliver the WYSIWYS over a trusted viewer and perform document signing using the Selected Signing Service. The WYSIWYS Server is integrated in the application provider domain. This allows for full data privacy and streamlines the signing experience with an existing business workflow to ensure high user acceptance. The WYSIWYS Server supports input data in PDF or XML and outputs signed data with PAdES and XAdES signature profiles, also including LTA, which is the recommended signature profile for archived files. It handles PDF manipulation, conversion and renders images of the PDF/XML data that are displayed in the WYSIWYS Client.

Swisscom Trust Services

The joint *Selected Signing Service* is a cloud service, hosted at Swisscom's data centers, that allows you to electronically sign and timestamp documents and data in a legally compliant manner. Applications and portals benefit from running a highly available and secure signing service. You also benefit from Swisscom Trust Services expertise as a legally recognized & qualified Trust and Certificate Service Provider (qTSP/CSP). The service can be used for digital signatures in all EU/EEA countries and Switzerland, regardless of where the organization is registered. This means that non-EU companies can also use the service for online transactions within the EU legal framework relying on the ETSI & CEN standards bound to the eIDAS regulation.

CRYPTOMATHIC

Learn more at cryptomathic.com/signer

Swisscom Trust Services

Learn more at trustservices.swisscom.com/en

About Cryptomathic

Cryptomathic is one of the world's leading providers of security solutions to businesses across a wide range of industry sectors, including finance, smart card, digital rights management and government. Cryptomathic is the world´s most experienced player in remote signing and WYSIWYS. We are the technology providers of many nation-wide central signing deployments and are very active in the finance industry as well, enabling eBanking portals with digital signature technology.

Contact us: sales_enquiry@cryptomathic.com

About Swisscom Trust Services

Swisscom Trust Services is the only European provider of qualified electronic signatures for EU (eIDAS Signature Ordinance) and Swiss (ZertES Signature Act) legal territories. As leading provider of trust services in Europe, Swisscom Trust Services enables partners to implement pan-European digital innovations by providing identity-based services that can run entirely on digital platforms, eliminating the need to change between media formats - digital and legally binding.

Contact us: signing-service@swisscom.com

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