

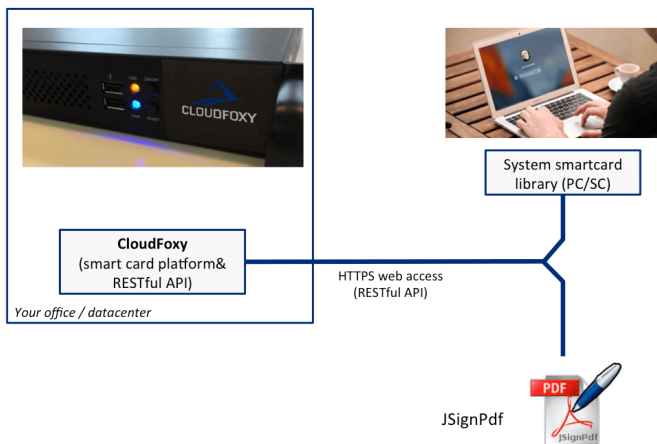
CloudFoxy – Cloud Security with Secure Hardware

From document signing to cloud key management

CloudFoxy is your solution for an ultimate control of security keys in cloud applications. It is based on a revolutionary integration platform for high-security chips. It provides out-of-the-box RESTful API and can be used just like any other cloud service. At the same time, its security chips provide unparalleled physical security, easily beating traditional network hardware security modules (HSMs).

... very inventive way to create a system with over 100 crypto processors.

blind review – high-security encryption expert



CloudFoxy as well as our CloudFoxy PDF Signer is a web-service in a box. It is a self-contained solution. It can operate without any dependencies on external cloud services, when this is not desirable or prohibited by your security policies.

If your requirements change, your systems will already be integrated with web services, which run inside CloudFoxy servers.

We have already integrated CloudFoxy with smart card chips provided by a European, eIDAS certified, trust provider. You can easily use CloudFoxy with smart-card chips provided by third parties and we will support you to build your business integrations, or deliver a turnkey solution.

CloudFoxy offers several APIs with different levels of control – from application-level operations, to low-level operations of chips, and remote programming of chips with your own applications.

While the high-security chips provide unparalleled physical security for your keys, CloudFoxy also adds state-of-the-art HTTPS support with an additional access control for subsets of its functions.

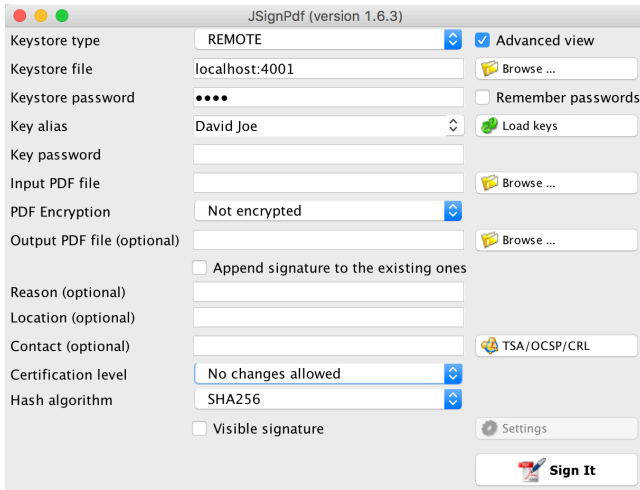
It is a big success. It's multiplied by the fact that the management uses the digital signing. So it is a service that is visible.

customer notes after the delivery

We have a complete control over the design and implementation from the hardware platform all the way to the application RESTful API. This allows us to ensure reliable operation of CloudFoxy. We can also implement a range of additional security requirements according to client requirements.

CloudFoxy PDF Signing

CloudFoxy integrates with JSignPdf software for digital document signing. Our integration gives you the “cloud service” experience for using high security hardware chips. These include eIDAS (electronic IDentification, Authentication and trust Services in EU) certified smart cards.



A high flexibility of the solution is ensured by a network proxy, which can be moved to an arbitrary location in your network to enable required access to the RESTful API of CloudFoxy servers. It can also implement your business functions from multiple CloudFoxy API calls.

Our architecture and available set of integration functions can support a whole life cycle of customer applications.

Each server can contain one or more CloudFoxy Enterprise Modules, which you can access via a single RESTful API. This provides HTTPS security, easy integration, and management of hundreds or even thousands of secure chips.

CloudFoxy Integration

CloudFoxy can be integrated as a PDF signing system, which expects PDF files to return signed versions. The flexibility of its design also supports integration with a greater control for custom integration.

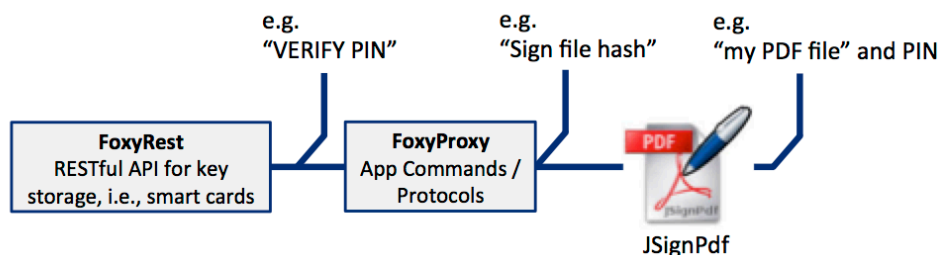


Figure: Integration options for CloudFoxy – from low-level (left), to high-level for particular use cases (right).

CloudFoxy for Crypto Wallets

We have designed a proof of concept using CloudFoxy for hardware crypto wallets with remote web access. This solution maximizes advantages of remote access with the protection of wallets by high-security physical chips.

Our email contact is: foxy@cloudfoxy.com

CloudFoxy is a trademark of Smart Arcs Ltd.