



HSM Encryption Service

Do you want the strongest security possible to protect your stored secrets that are the gateway to everything else in your systems? Do you want an HSM solution that doesn't require hardware investments or moving your servers, and puts you in a PCI DSS compliant environment? 24 Solutions can together with a partner offer an HSM Encryption Service. The API allows you to encrypt and decrypt data stored in your database using state of the art hardware encryption, in our compliant infrastructure. And, your security risk is reduced to facilitate compliance with GDPR and PCI DSS.

HSM stands for Hardware Security Module, and is an appliance that provides crypto processing. The security level of any encryption solution comes down to the security of the encryption keys, which is why storing the keys in special purpose hardware, such as HSMs, is recommended by experts as a best practice.

Until now hardware encryption solutions have not provided the agility or flexibility needed in virtualized and cloud environments, which is why 24 Solutions are proud to be able to offer an HSM Encryption Service together with a partner.

It is the perfect solution if you want to secure sensitive data without moving your server environment or buying your own HSM. It even works for clients who want HSM and have several different hosting providers. The HSM Encryption Service allows you to connect multiple servers with one encryption service using a simple API.

Increased security

HSM Encryption Service ensures that your most valuable assets, whether transactions, identities, or applications, have the highest security possible. The service secures sensitive data, and gives you control over the crypto keys. The keys are stored in 24 Solutions' highly secure data centers that meet the requirements for PCI DSS compliance. With the HSM Encryption Service, you control who can access what part of your environment by creating a shield around your data and applications.

Cost benefits

With HSM Encryption Service you can encrypt your important data and guarantee high availability, instead of investing in hardware, licenses, and support for your HSM appliances. You pay a set monthly fee, and costs vary dependent on if you select a shared HSM or a dedicated partition with a license cost per partition. And, it will help you to be compliant with the GDPR that came into effect May 2018.

Technology

The HSM Encryption Service allows you to encrypt and decrypt data stored in your database or application using state of the art hardware encryption. No HSM setup and/or hard integration is needed. Your HSM is accessible via a very simple RESTful Webservice API. The technical integration of the service only requires a few API requests and has a minimal effect on your current system. There is no rebuilding necessary of your current structure.

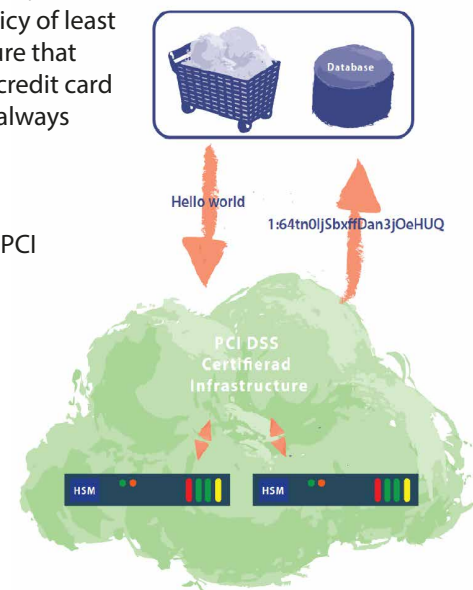
The HSM Encryption Service is built with virtual servers on dedicated hardware. We, as well as our partner, abide by the policy of least privilege in order to ensure that your sensitive data, e.g., credit card data or personal data, is always protected.

Facts

- » Hosted in 24 Solutions PCI compliant platform
- » WAF protected
- » PCI Validated Service
- » HSM PKI Solution
- » Easy Integration
- » 99.99% SLA
- » Accessible via a simple RESTful Webservice API

Additional options

- » Your own dedicated HSM partition
- » Dedicated personal support
- » Additional services available using the cryptographic keys, such as signing solutions



Want to know more about the HSM Encryption Service?

Contact us at sales@24solutions.com and we will be happy to help.