



The advantage of HSMs conveniently delivered as a service

Securosys CloudsHSM: Your Online Key Vault



- You need maximum security for your data and keys
- With HSMs run by experts
- As a service – simple, flexible, scalable, always up to date
- With devices from a trusted provider
- And highest availability
- ▶ Then Securosys CloudsHSM is the best solution for you

The Swiss Hardware Security Module as a Service

The Securosys CloudsHSM service is located and operated in Switzerland. It offers operation services of shared or dedicated HSMs. CloudsHSM was built by the experts who designed and manufacture the HSM for the Swiss Interbank Clearing system.

Compliant Application

When taking security seriously and complying to regulation standards, digital keys need to be generated and safeguarded on an HSM. With CloudsHSM, these requirements are fulfilled without time-consuming implementations and operations by just using the service via standard APIs.

HSM Availability according to Swiss Banking Standards

Your HSM partition is protected like a bank deposit safe and redundantly secured: two HSMs each are based in geographically separated data centers in Switzerland, additionally the data is synchronized to an HSM in a former bunker of the Swiss Air Force in the Swiss Alps for business continuity purposes. Every location features redundant internet access. For less demanding applications and test environments, we also provide partitions with double redundancy.

Service Packages

	Shared HSM Subscription			Dedicated HSM Subscription*	
	ES (Enterprise Standard)	ECO (Economy SME)	SBX (Sandbox Testing)	Platinum (Basic)	PLATINUM (Enterprise)
Platform**	2x2 + 1 5 HSM in 3 data centers	2x1 + 1 3 HSM in 3 data centers	2x1, 2 HSM in 2 data centers, (in debug mode)	Dedicated HSMs hosted in data centers	Dedicated HSMs hosted in data centers
Administration	Operated and managed by Securosys specialists (ISO 27001 compliant)				
Performance***	Up to 1`200 Sig./Min	Up to 600 Sig./Min	Not guaranteed	up to 1`200 Sig./Min	Up to 12`000 Sig./Min
Capacity	200 MB	100 MB	200 MB	120 MB*	240 MB*
Support****					
Availability	24 x 7 x 365	24 x 7 x 365	24 x 7 x 365	24 x 7 x 365	24 x 7 x 365
Response time	1/4/8h	2/8/24h	8/12/24h	1/4/8h	1/4/8h
critical/major/minor					

* More options available: additional partitions, customer owned HSM operation

** Synchronized Partitions in Active Datacenters / Backup Datacenter

*** Performance measured in #RSA4096/ECC512 signatures per minute

**** Security Officer intervention available during Securosys office hours CET 09:00 – 17:00

Your benefits:

- **Ready to use:** No hardware evaluation or setup required. Operational within hours.
- **No time and effort:** Our experts maintain the devices and keep the system and security up to date. Your own resources are not in need of any additional training sessions, nor do they have to install or maintain anything. Thus, there is more time left for your core business.
- **Secure legal environment:** Data are subject to Swiss law assuring most stringent levels of privacy and data protection worldwide.
- **Complete data isolation:** Your data is kept in a Primus Hardware Security Module. Access by other CloudsHSM users is impossible. Using Partition Administration on Decanus Terminal you can even lock out the HSM operations team from any management tasks on your partition. Privacy and data protection are always guaranteed.
- **Highest availability:** The HSMs are located in two active data centers. Every location features double internet access, thus guaranteeing no downtime. Additionally, your data is kept safe from environmental dangers in an EMP/HMP protected bunker (BSI zone 3 / NATO zone 2).
- **Fully compliant to security standards:** The Primus HSMs are FIPS 140-2 Level 3 certified. Service operation and data centers complying to ISO 27001.
- **Security policy à la carte:** You don't have to hammer out a security policy from scratch, because the service is set up based on best practices. You may adjust the policy according to your needs.
- **Best price-performance ratio:** With our service, no capital lock-up is required. Operation will fully be outsourced. Total cost of ownership is drastically reduced.
- **Simple integration:** The service fits seamlessly into existing systems.
- **Wide range of applications:** PKI, SSL/TLS, TDE database encryption, document/code signing, block chain, storing of crypto assets, etc., applications are manifold. Secure connection between your application and the CloudsHSM is established using standard API provider software (PKCS#11, openSSL, JCE/JCA, or MS CNG).
- **Easy withdrawal from the cloud:** In case you decide to leave our service to insource your HSM, you may do so by activating simply your on-premise HSM.

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