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The advantage of HSMs conveniently delivered as a service

Securosys Clouds HSM:
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 Clouds HSM is the best solution for you

The Swiss Hardware Security Module as a Service
The Securosys Clouds HSM service is located and operated in Switzerland. It 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, such as GDPR, digital keys need to be generated and safeguarded on an HSM. With Clouds HSM, these requirements are fulfilled without time-consuming implementations and operations, by just using the service via standard APIs. Alternatively, you may also use Securosys Clouds HSM as backup for your «on-premise» HSM.

HSM Availability according to Swiss Banking Standards
Your HSM partition is protected like a bank deposit safe and redundantly secured
by four devices: two HSMs are based in two geographically separated data centers in Switzerland, backups are held in HSMs in a former bunker of the Swiss Air Force in the Swiss Alps. Every location features double internet access. For less demanding applications and test environments, we also provide partitions with double redundancy.

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Service Packages

	ES (Enterprise Standard)	ECO (Economy KMU)	SBX (Sandbox)	Platinum
Platform	2x2 partitions	2x1 partition	2x1 partition (in debug	Dedicated HSM
	synchronized georedundant in 2 data centres			
Management	Platform administration by Securosys experts			
Performance measured in #RSA4096/ECCS12 signatures per minute / storage capacity in MB				
Performance and capacity	Up to **1200** Sig./Min.	Up to **600** Sig./Min.	No guarantee	up to **9000** Sig./Min
	200 MB	**100 MB**	**200 MB**	**Partition à 200 MB***
Support (Response time/ availability) (Mo-Fr)	2 h	4 h	8 h	2h
	08:30-18:30	08:30-17:30	08:30-12:00 13:30-17:30	07:30-18:30

*More options available: extended support, more partitions for Platinum

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 Clouds HSM users is impossible - even the Securosys technical management team is kept outside. Privacy and data protection are always guaranteed.
- **Highest availability:** The HSMs are located in two data centers. Every location features double internet access, thus guaranteeing no downtime. Optionally, backups are protected from environmental dangers in a bunker.
- **Most trusted platform:** We use our own ultra-safe Securosys Primus HSM that we developed and manufacture in Switzerland. It is based on the security platform the operators of the Swiss banking system (SIX/SIC) are using and trusting.
- **Fully compliant to security standards:** Our devices are being certified for FIPS-140-2 Level 3 and are located in 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 Clouds HSM 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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