



# TokenControl

The intelligent path  
towards Key-Management

# TokenControl



## SyTrust S.A.

SyTrust Luxemburg is a leading Development Company for high tech IT-Security-Software products. SyTrust employs a motivated, always up to date, development team.

Amongst other companies, TokenControl is already successfully in operation in major German banks, insurance companies and Internet providers.

Due to this achievement, we have already opened an office in Hallbergmoos (close to Munich airport. Germany). From here we offer our customers high level support.

Since our success is very much depending on how successful you are, we do not leave you alone with any questions or queries you might have.

## SyTrust Support

We offer a high level support with all our products.

You can rely on specially trained support staff. Depending on your needs we offer different categories of support.

<b>Bronze</b>	<b>Silver</b>	<b>Gold</b>
<ul style="list-style-type: none"> <li>■ Support 9:00 to 17:00 MET every working day</li> <li>■ Answer until next working day guaranteed</li> <li>■ Patches free</li> <li>■ Upgrades, updates and new releases must be licensed separately</li> </ul>	<ul style="list-style-type: none"> <li>■ Support 9:00 to 17:00 MET every day working</li> <li>■ Answer within 4 hours after notification guaranteed</li> <li>■ Updates, patches and new releases free</li> <li>■ Upgrades must be licensed separately</li> <li>■ Development of necessary patches immediately after locating an error</li> </ul>	<ul style="list-style-type: none"> <li>■ Support 9:00 to 17:00 MET</li> <li>■ Support 24 x 7 for production problems</li> <li>■ Answer within 4 hours after notification guaranteed</li> <li>■ Updates, patches and new releases free</li> <li>■ Upgrades must be licensed separately</li> <li>■ Development of necessary patches immediately after locating an error</li> </ul>

Prices for the individual Categories are on a separate list.

Just rely on our professional supportteam!



## Overview

TokenControl, the ideal consistent solution for PKI.

SyTrust TokenControl is a sophisticated and professional solution in addition to or instead of Smart Cards. It is a secure and cost effective alternative to a company spread roll-out of very expensive Smart Cards.

SyTrust TokenControl also solves the Key History Problem, even in a PKI based Smart Card environment.

TokenControl integrates itself seamless into the SyTrust Suite and offers you the possibility, to secure your company's surroundings both, commercially and professionally.

### BENEFITS

#### Key-Administration

with:

- Key archiving
- Key recovery
- Key management

#### Smart Card Substitute

TokenControl may be used irrespective of SmartCards.

You decide when, where and how you roll-out SmartCards.

#### Smart Card backup

TokenControl is the ideal fallback solution for lost or damaged smartcards.

#### Key History/Data access

Because TokenControl saves all keys for each user, you are always able to access coded data. Even old keys can be reinstated which enables you to open and read old files.

#### Document encryption

Due to the implementation of key archives and key history it is now possible to encrypt documents conformable with company policies.

### HIGHLIGHTS

#### Clear migration path

Mixed installations and simultaneous use with hardware Smart Cards by utilizing the clients, normal Smart Card support

#### Inexpensive roll-out

Easy installation procedures for the client software permit an inexpensive and quick roll out into comprehensive IT-structures.

#### High security levels

Up to date methods of authentication and a modern central management provide a high security standard for soft token usage.

#### Performance / Scalability

Linear scalability of up to 254 devices with performance of up to 100.000 requests per hour accommodate even peak demands of large companies.

# TokenControl



## SyTrust TokenControl - the solution

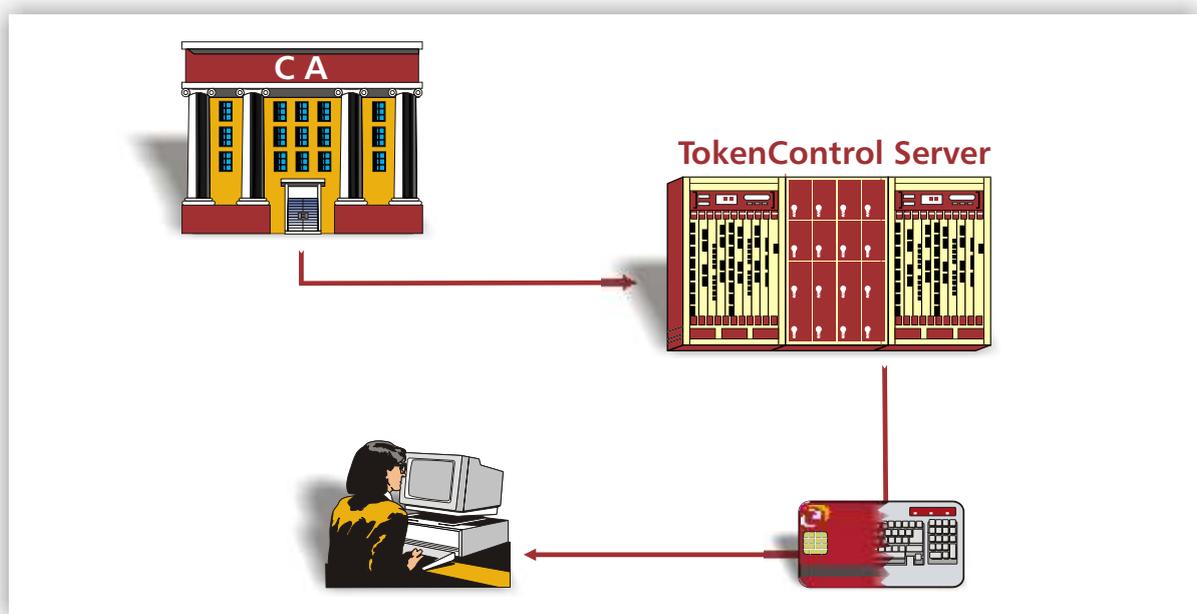
SyTrust TokenControl is used within the Public Key Infrastructure. In this complex infrastructure TokenControl takes over the task to administrate the users private keys.

The key administration of conventionell PKI's is taken over by handing out SmartCards to the user, where the personal key is stored.

The disadvantage of the SmartCard use and the huge costs will be a thing of the past by using TokenControl.

TokenControl is the intelligent and economized way to high secured and administrated PKI.

## TokenControl in Action





### Key Administration

Within the PKI, TokenControl takes over the central task of key administration (private keys), key archive and key reproduction.

### SmartCard Replacement

TokenControl is the economized replacement for expensive SmartCards. Through the use of a PKI it is indispensable to certify the user in the IT environment. Therefore, each user is getting an expensive Smart Card, where all private keys are stored. This rollout is a very expensive and highly complex procedure. Leave the expensive way of the Smart Card solution! It is your decision when, how and who will be issued with a Smart Card. TokenControl administrates parallel the own SoftTokens and the SmartCards of third party producers. One solution for your security!

### SmartCard Support

As already mentioned, TokenControl administrates own SoftTokens as well Smart Cards. The advantage, you only need one solution for the administration of certificates. Another advantage, a Hot-Stand-By-Solution is at your disposal in case of loss, deficit or shortage of Smart Cards. For TokenControl it is indifferent whether you certify as user with your SmartCard or with your PIN.

# TokenControl



## Key History/data access

Information could be secret in order to encode the communication or the documents. The disadvantage, only the person who owns the key could get the information. If the key is expired, the employee not working for the company anymore or if the company likes to have a look into their business data, then TokenControl has the possibility to reproduce these keys. An unlimited number of keys could be stored and TokenControl offers a simple and user friendly administration with possibilities to structure and group over a top actual Web frontend.

## To encode documents

A possible way to encode documents is an intelligent way of Key-archive and Key-history. With TokenControl you are in a position to use the technologies of encoding the data of the employees or documents. It is unimportant if the private keys are expired or the employees are not working in the company anymore. The company remains the owner of the documents.

## High secured solution

SyTrust TokenControl is a flexible and highly secured solution for your PKI. The use of encode algorithm and the permanent use of hacker-protection-action, TokenControl is a synonym for security.



## SyTrust Suite

A part from CertControl we have other professional low cost security SyTrust PKI-Products in our portfolio.

### CertControl

high-speed certificate validation authority, comprising a RfC 2560 and identrus compliant OCSP-responder with multiple extensions, identrus compliant with flexible chaining, proxying and caching functions

### TransactionControl

flexible policy driven transaction coordinator, identrus compliance, allowing easy user-level extensions and connectivity to most back-end systems, including CertControl-OCSP Responder

### RegistrationControl

highly automated registration system, tightly integrated into Baltimore products such as UniCERT ARM with an open database-driven connectivity towards company-internal backend-system

### DeveloperSignatureControl

supporting in-house developers with crypto-libraries to utilize PKI-technologies within applications in C, C++ and Java, supports Windows, Solaris and S/390, flexible policy driven crypto-API, supporting all major standards with simplest high-level function calls



**SyTrust S.A.  
Headquarter**

12, route du vin  
6794 Grevenmacher  
Luxembourg

Fon: +352.267469-0  
Fax: +352.267469-20

**SyTrust S.A.  
German Branch**

Ludwigstraße 55  
85399 Hallbergmoos

Fon: +49.811.95.94-400  
Fax: +49.811.95.94-420