

PKI Smart Card Usage for Business-Partners Features and Requirements

Version 1.4 / August 2013

PKI Smart Card Usage for Business-Partners – Default Requirements

- Windows XP (32 Bit) & Windows 7 (64 Bit)
- PKI Basic Client (XP 32Bit) V5.7/PKI Basic Client (Win7 64Bit) V5.7 or higher released version
- Internet Explorer 7.0 or 8.0 with trusted “Baltimore CyberTrust Root” CA (<http://cacert.omniroot.com/bc2025.crt>)
- .Net Framework 3.5 or 4.0 (**.Net Framework 4.5 is not supported yet!**)
- The following smart card readers are recommended:
 - Omnikey CardMan 3121 External Smart Card reader for the USB port
 - Omnikey CardMan 4040 External Smart Card reader for the PCMCIA port
 - GemPlus GemPC Twin External Smart Card reader for the USB port
 - GemPlus GemPC Card External Smart Card reader for the PCMCIA port
 - Fujitsu GemPC Express External Smart Card reader for the ExpressCard port
 - HP SCR3340 External Smart Card reader for the ExpressCard port
- Win 7/V4.2c Corporate ID Card: SmartCard reader driver **must** supports 2048 bit certificates
- Internet Access to access the Code Signing CRL
Otherwise a timeout may slow down the start of functions that access the card.

PKI Smart Card Usage for Business-Partners – Alternative platforms and browsers

- The following platforms should work with Siemens Corporate ID Card for e-mail encryption and PKI authentication, but may have problems using PKI Self Services*
 - Windows XP (64 Bit) with PKI Basic Client (Win7 64Bit) V5.7
 - Windows 7 (32 Bit) with PKI Basic Client (XP-32 Bit) V5.7
 - Windows 8 (64 Bit) with PKI Basic Client (Win7 64Bit) V5.7
 - Internet Explorer 9 or 10 with trusted “Baltimore CyberTrust Root” CA
- The software package for PKI Basis Client must be provided via the Siemens-internal sponsor

*** The warranty of full functionality is not given**

Known Issues

- Problem with PKI Smart Client and proxy authentication
 - Problem: PKI Smart Client is not able to forward authentication information to the internet proxy
 - Impact: PKI Smart Client can't access the web services
 - Workaround: Access to PKI Self Services through proxy without authentication or access direct from Internet

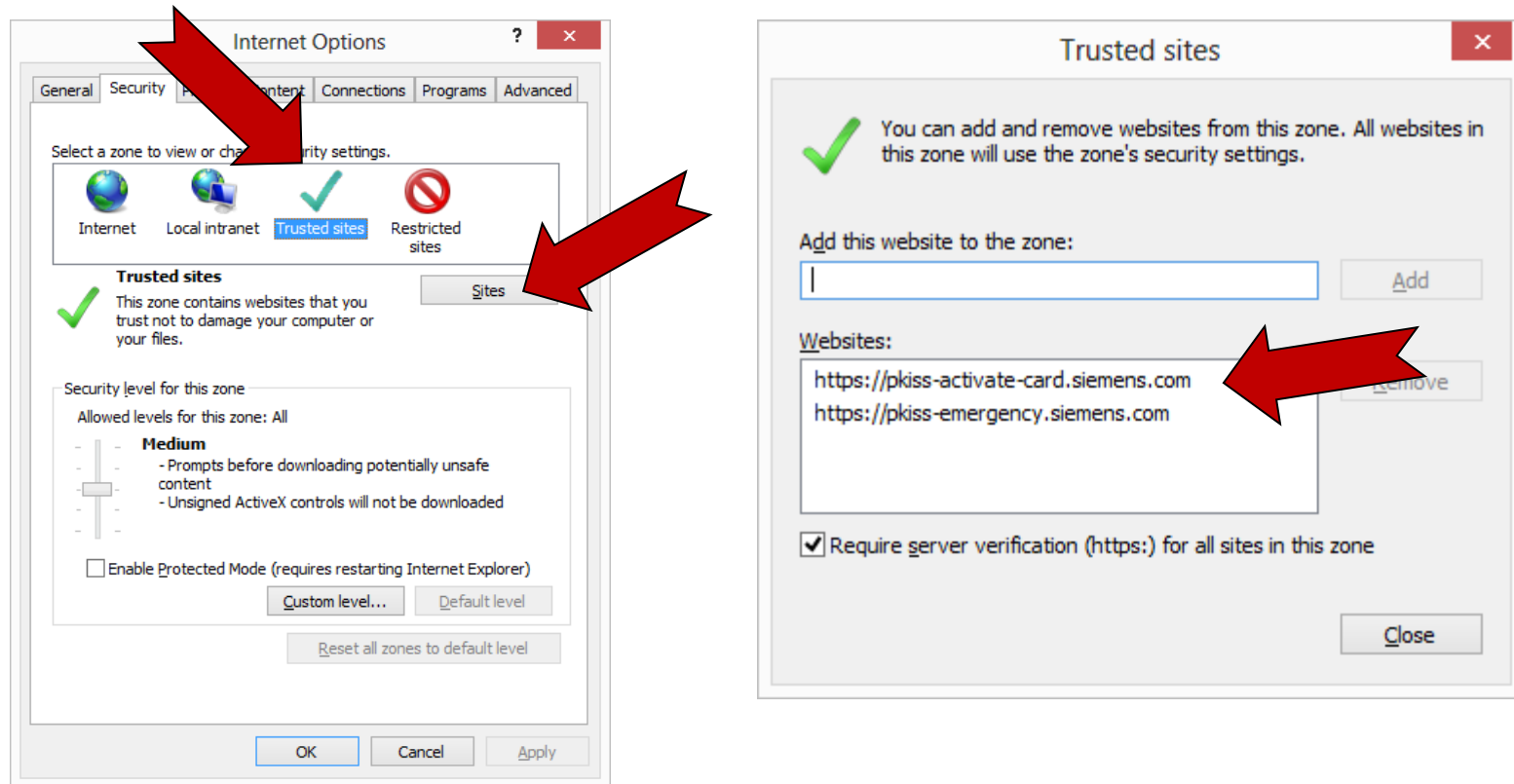
- .Net Framework 4.5 is not supported yet !
 - Problem: New security properties don't allow to start web client
 - Impact: PKI Smart Client can't open
 - Preferred workaround: Install .NET Framework 4.0
 - Workaround by Microsoft (**not recommended**):
<http://connect.microsoft.com/VisualStudio/feedback/details/758804/iehost-logging>

- Functionality is not tested on Win 8 clients (see page 3)
- Functionality is not tested on clients with IE 9 (see page 3)
- Functionality is not tested on clients with IE 10 (see page 3)

*** Microsoft strongly recommend against using registry key workaround as a permanent solution**

PKI Self Services Internet – Requirements

- Add URL <https://pkiss-activate-card.siemens.com> und <https://pkiss-emergency.siemens.com> to “Trusted Sites” in “Internet Options” → “Security”



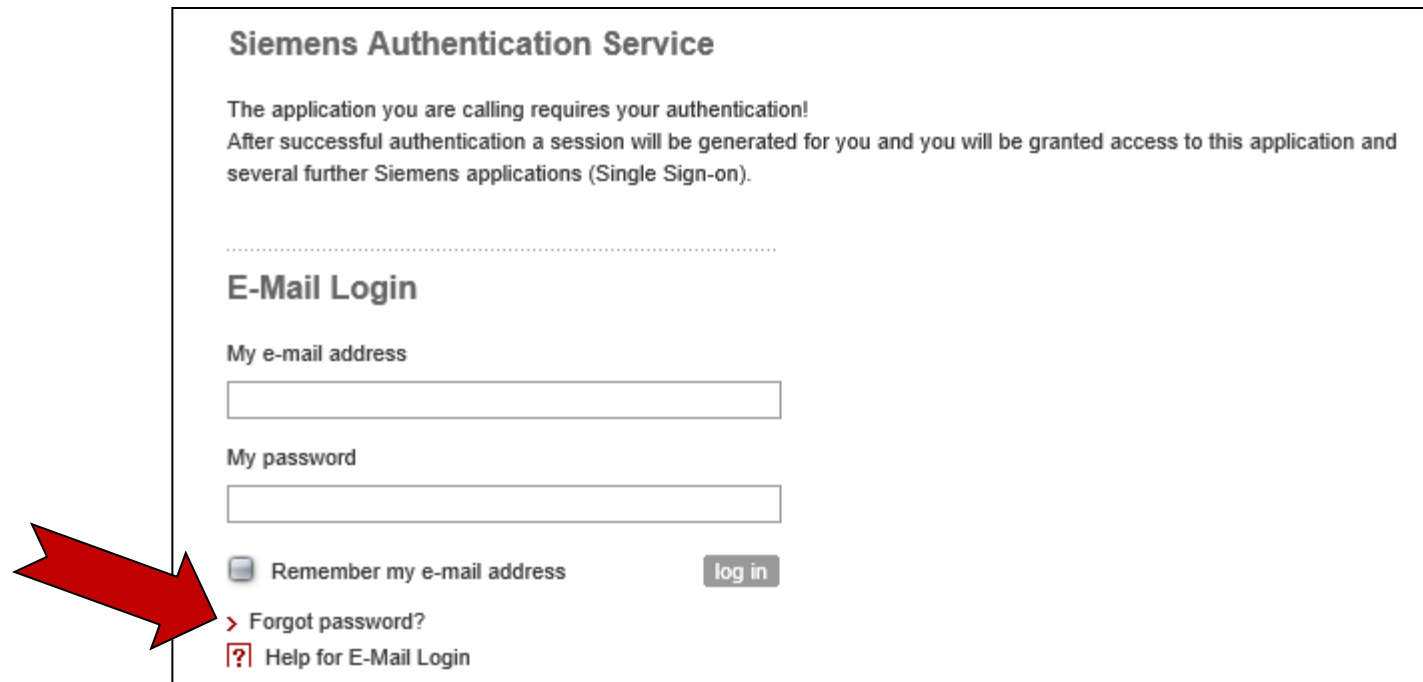
- **Note:** The Siemens Standard Client generally fulfills these requirements.

PKI Self Services Internet – Features

- Based on the V2.2.3 of PKI Self Services, a defined set of functions is made available in the Internet.
 - Card activation <https://pkiss-activate-card.siemens.com>
 - You have received a new Corporate ID Card
 - Emergency Scenarios <https://pkiss-emergency.siemens.com>
 - Your Corporate ID Card has been blocked
 - You forgot your PIN
 - You have lost your Corporate ID Card
- The access is secured using a 2-step-authentication process
 - Siemens Authentication Service: Login with e-mail address and password
 - PKI Self Services: Login with e-mail address and One Time Password

PKI Self Services Internet – Siemens Authentication Service Initial Password Request

- To request an initial password for Siemens Authentication Service, please click on “Forgot password?” at the bottom of the Login page.



Siemens Authentication Service

The application you are calling requires your authentication!
After successful authentication a session will be generated for you and you will be granted access to this application and several further Siemens applications (Single Sign-on).

.....

E-Mail Login

My e-mail address

My password

Remember my e-mail address

[> Forgot password?](#)

[\[?\] Help for E-Mail Login](#)

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E-Mail Login

Do you need a password? Please enter your e-mail address and submit with "get password".

My e-mail address

[> Go back to Login?](#)
[\[?\] Help for Password Reset](#)



- Enter your e-mail address and click “get password”. Your initial password will be sent to you by e-mail. You can change and use this password as often as you want to log on to the Siemens Authentication Service.

Note: To log in to the PKI Self Services you need to request a One Time Password on the PKI Self Services login page.

Further Information

Siemens PKI general

<http://www.siemens.com/pki>

E-Mail-encryption with business partners (Guideline for Siemens Employees):

http://www.siemens.com/corp/pool/pki/e-mail_encryption_siemens_en.pdf

E-Mail-encryption with business partners (Guideline for business partners):

http://www.siemens.com/corp/pool/pki/e-mail_encryption_gp_en.pdf

E-Mail-Encryption requirements

http://www.siemens.com/corp/pool/pki/e-mail-verschluesselung_possabilities_en.pdf

Further Information – card activation

Card activation <https://pkiss-activate-card.siemens.com>

- You have received a new Corporate ID Card

Siemens Corporate ID Cards need to be activated before the PKI keys which are stored on the cards can be used. This applies for the new ID Card Type "V4.2c". The version you can find on the backside of the card in the lower left corner. When your new Corporate ID Card is produced, you receive an e-mail from Siemens Trust Center which asks you to activate the ID Card:

Sender: operation.trustcenter@siemens.com

Subject: Siemens PKI: Card Activation / Aktivierung Ihrer Karte

As soon as you have your new Corporate ID Card, open the link for activation mentioned in the e-mail (<https://pkiss-activate-card.siemens.com/>) and request a temporary „One Time Password“.

Please enter your e-mail address to do so.

The One Time Password will be sent to you immediately via e-mail (Sender: operation.pkiss@siemens.com, Subject: Your PKI Self Services One Time Password).

Login with this One Time Password at the page mentioned above and follow the further instructions to activate your Corporate ID Card. After finishing the activation you can use the PKI functions immediately.

Please note that for security reasons you will receive an e-mail notifying you about the activation of your Corporate ID Card 24 hours later.

Further Information – Lost card or misuse

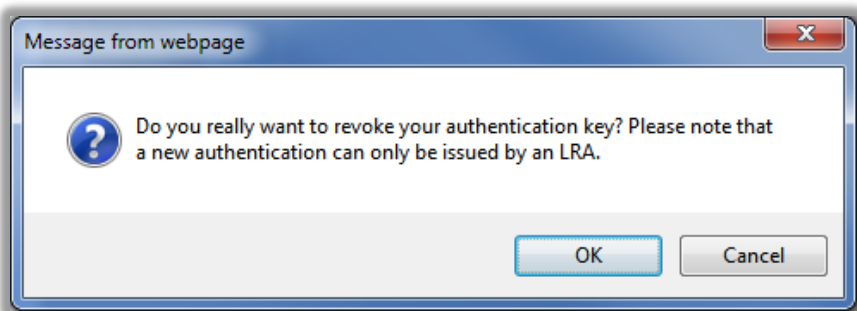
Emergency Scenarios <https://pkiss-emergency.siemens.com>

- You have lost your Corporate ID Card
- Your Corporate ID Card was misused

If you lose your Siemens Corporate ID card, please follow the instructions on the next pages or report the loss to your Siemens sponsor immediately.

The Siemens Corporate ID card and key material will then be locked and a replacement must be applied via the Siemens-internal sponsor.

After you have confirmed this message all of your keys will be locked (revoked) immediately !!!



Further Information – Lost card or misuse

Login into the PKI Self Services: Emergency Scenarios

You are in one of the following emergency situations:

- All Corporate ID Card types:
 - You have lost your Corporate ID Card.
 - You have broken your Corporate ID Card.
- Only new type of Corporate ID Card:
 - Your Corporate ID Card has been blocked because you repeatedly entered the wrong PIN.
 - You forgot your PIN.

You can identify the new card type by the imprint "V4.2C" at the lower left corner at the backside of the card

To login to PKI Self Services you need to request a One Time Password. With your One Time Password you can log in exactly one time, within a strictly limited time frame.


Enter your email address as stored in the SCD and click the button "Generate". Your personal One Time Password will be sent to you in an email. With that you can log in immediately.



In case you have already received a One Time Password, you can here login directly.








 Please type in your email address and the password that has been sent to you in an email.

Email address:

One Time Password:





Further Information – Lost card or misuse

The screenshot displays the Siemens PKI Self Services interface. On the left, a loading screen shows an information icon and the text: "Please wait while information about your current key inventory will be retrieved from the Siemens Trust Center. This page will be refreshed automatically." Below this text is a progress bar with five green segments. On the right, a menu of options is visible. The "Corp. ID Card related" section is highlighted with a red box and contains three options: "My card is blocked", "I have lost my card", and "I have broken my card". A red arrow points to the "I have lost my card" option. Below this menu, there are sections for "Self management..." and "Certificate management for" with sub-options: "I need PKI keys", "I missed the updating deadline", "A business partner", "A functional group", and "A pseudonym". To the right of the menu, there is a warning icon and text: "You have logged in with your email address and your Windows password. Therefore, only the functions to be used in case of emergency are available: 'I have lost my card' or 'I have broken my card'. On the left hand side, select the scenario which fits your current situation. You will be guided through these scenarios." Below this is an information icon and text: "To be able to use the full functionality of PKI Self Services functions log out and log in again using the PKI login. You need your Corporate ID Card to do that."


Further Information – Lost card or misuse


I have lost my card

 • This scenario is applicable if you have lost your card.
• With your Corporate ID Card somebody else might be able to misuse your PKI keys stored on your card.
• To avoid the misuse of your PKI keys your keys can be revoked in this scenario. After this action your keys cannot be misused any more.
• With your Corporate ID Card it is possible to recover your EFS keys. Therefore your EFS keys will be invalidated.
• With your Corporate ID Card it is possible to recover your PGP keys. Therefore your PGP keys will be invalidated.


 An application for a new Corporate ID Card with new PKI keys can be performed using FIONA. FIONA is available in the Siemens Enterprise Portal. If you do not have the rights to do the application yourself, please follow your local regulations for Corporate ID Cards and PKI keys or contact your local helpdesk.

You are going to revoke the PKI keys issued for:

	Surname	Dietrich
	Given name	Olaf
	email address	olaf.dietrich@siemens.com
	GID	770



Message from webpage

 Do you really want to revoke your authentication key? Please note that a new authentication can only be issued by an LRA.

