

# eID Viewer 5.0.24 Release Notes

Release Date: 10/06/2021

## Supported Operating Systems

eID Viewer 5.0.24 is supported on the following operating systems:

### Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

## Mac eID Viewer

- Added a background text in 4 languages to the drag and drop installer
- Fixed a crash when trying to verify certificates when the mac is offline
- Adjusted the printout to also display the applet versions
- Adjusted the fontsize of the printout for foreigner cards so that everything fits on the page
- Certificate parsing errors will now display an error instead of ending the eID Viewer
- Corrected OCSP checking for applet 1.8 cards
- Added a contact chip version label in the Card/PIN tab (will be 1.8 for new eID cards, 1.7 for the current eID cards)
- Added support for EU and EU+ cards
- Display titles of card types I and J as "I. ICT" and "J. Mobile ICT"
- Improved handling of signature files that are padded
- Updated OpenSSL to version 1.1.1k
- Minor improvement in card data verification

# eID Viewer 5.0.20 Release Notes

Release Date: 12/05/2021

## Supported Operating Systems

eID Viewer 5.0.20 is supported on the following operating systems:

### Microsoft

- Windows 8.1
- Windows 10

## eID Viewer

- Added support for EU and EU+ cards
- Bugfix in saving the correct xml version number in the .eid file. This xml version number is eID Viewer (version) related. It is used by eID Viewers to check if they are still fully compatible with all possible data in the .eid file. A warning will be shown if not compatible.
- Bugfix in printing and displaying foreigner card numbers that start with 'B'

# eID Viewer 5.0.19 Release Notes

Release Date: 03/05/2021

## Supported Operating Systems

eID Viewer 5.0.19 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## eID Viewer

- Added a contact chip version label in the Card/PIN tab (will be 1.8 for new eID cards, 1.7 for the current eID cards)
- Display titles of card types I and J as “I. ICT” and “J. Mobile ICT”
- Added horizontal margin around the print of the photo file to reduce the chance of the photo being clipped at the edge of the page

# Middleware 5.0.18 Release Notes

Release Date: 05/04/2021

## Supported Operating Systems

Middleware 5.0.18 is supported on the following operating systems:

Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

## Installer

- Installer now adds a second json file for the Firefox addon, so the addon can decide to keep using the old pkcs#11 location (see v5.0.10), or to use the new location.

## Middleware 5.0.17 Release Notes

Release Date: 17/03/2021

### **Supported Operating Systems**

Middleware 5.0.17 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

### **Minidriver**

- Corrected the returned length of the ECC key structure.

## eID Viewer 5.0.16 Release Notes

Release Date: 09/03/2021

### **Supported Operating Systems**

eID Viewer 5.0.16 is supported on the following operating systems:

Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

### **Mac eID Viewer**

- Fixed an issue with printing foreigner cards
- Added support for M and N cards
- Fixed titles of I and J cards

# eID Viewer 5.0.15 Release Notes

Release Date: 05/03/2021

## Supported Operating Systems

eID Viewer 5.0.15 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## eID Viewer

- The eID Viewer now support card types M and N (Brexit cards). The eID Viewer will only display empty Brexit fields when they are as such present in the ID\_RN file
- The eID Viewer will ignore field 1A (pub key Hash) for applet 1.7 cards, and will mark applet 1.8 cards with an incorrect 1A field as invalid cards..
- Fix for displaying titles of card types I and J
- Changed the photo layout to also support the new photo size on eID Cards (150\*195 pixels, old format was 140\*200 pixels)sign

## eID Viewer installers

- The installers no longer allow a downgrade install (which is default installer behaviour). Use the Windows Add/Remove or Apps and Features menu to remove a newer version of the eID Viewer first  
The eID Viewer installers are no longer double signed (dropped the SHA1 signature)

# Middleware 5.0.12 Release Notes

Release Date: 05/03/2021

## Supported Operating Systems

Middleware 5.0.12 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## Pkcs11

- The eIDMW SDK now has key objects for the applet 1.8 card's card key in order to support the applet 1.8 challenge/response mechanism to prove the card's authenticity
- The eIDMW SDK now supports card type M and N (Brexit cards)

## eIDMW installers

- The installers no longer allow a downgrade install (which is default installer behaviour). Use the Windows Add/Remove or Apps and Features menu to remove a newer version of the middleware first

# eID Viewer 5.0.10 Release Notes

Release Date: 14/12/2020

## Supported Operating Systems

eID Viewer 5.0.10 is supported on the following operating systems:

### Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

## Mac eID Viewer

- Now supports applet 1.8 eID cards
- Improved card and certificate validation warnings and errors

# Middleware 5.0.10 Release Notes

Release Date: 14/12/2020

## Supported Operating Systems

Middleware 5.0.10 is supported on the following operating systems:

### Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

## Pkcs11

- Now supports applet 1.8 eID cards
- Moved the pkcs11 library to the /Library/Belgium Identity Card/Pkcs11 folder, while keeping links to it on the former location
- The eIDMW SDK now has an increased tolerance for applications that use a slotID before generating a list of slotID's with C\_GetSlotList(null). This is a temporary solution to allow applications to upgrade from pkcs#11 v2.11 to pkcs#11 v2.40. The increased tolerance might be removed again in future versions of the SDK

## BEIDToken

- Now supports applet 1.8 eID cards

## eID Viewer 4.4.28 Release Notes

Release Date: 17/11/2020

### Supported Operating Systems

eID Viewer 4.4.28 is supported on the following operating systems:

#### Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

### Mac eID Viewer

- Fixed an issue where the sheet on the eID Viewer stating “reading card data” would not get hidden

## Middleware 4.4.28 Release Notes

Release Date: 17/11/2020

### Supported Operating Systems

Middleware 4.4.28 is supported on the following operating systems:

#### Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)
- macOS 11 (Big Sur)

### Pkcs11

- Fixed a regression: Removing and re-inserting the same card in between 2 card operations (no other card calls in between) now fails with CARD\_REMOVED again. (instead of a more generic error)
- Pkcs11 libraries are now universal binaries build for x86\_64 and arm64

### BEIDToken

- BEIDToken is now a universal binary build for x86\_64 and arm64

# Middleware 5.0.7 Release Notes

Release Date: 09/09/2020

## Supported Operating Systems

Middleware 5.0.7 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## Pkcs11

- The eIDMW SDK now has an increased tolerance for applications that use a slotID before generating a list of slotID's with C\_GetSlotList(null). This is a temporary solution to allow applications to upgrade from pkcs#11 v2.11 to pkcs#11 v2.40. The increased tolerance might be removed again in future versions of the SDK

# eID Viewer 5.0.8 Release Notes

Release Date: 18/08/2020

## Supported Operating Systems

eID Viewer 5.0.8 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## eID Viewer

- Now supports applet 1.8 eID cards

# Middleware 5.0.6 Release Notes

Release Date: 09/07/2020

## Supported Operating Systems

Middleware 5.0.6 is supported on the following operating systems:

Microsoft

- Windows 8.1
- Windows 10

## Pkcs11

- Now supports applet 1.8 eID cards
- SDK now supports applet 1.8 eID cards

## Minidriver

- Now supports applet 1.8 eID cards

# Middleware 4.4.27 Release Notes

Release Date: 18/05/2020

## Supported Operating Systems

Middleware 4.4.27 is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Pkcs11

- Fixed a regression: Removing and re-inserting the same card in between 2 card operations (no other card calls in between) now fails with CARD\_REMOVED again. (instead of a more generic error)



## eID Viewer 4.4.26 Release Notes

Release Date: 17/02/2020

### **Supported Operating Systems**

eID Viewer 4.4.26 is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### **eID Viewer**

- Removed proprietary background colours. (This will cause the eID Viewer to follow the colour related OS settings (e.g. highlight settings))
- Labels no longer turn grey when no data is present

## eID Viewer 4.4.25 Release Notes

Release Date: 12/12/2019

### **Supported Operating Systems**

eID Viewer 4.4.25 is supported on the following operating systems:

Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)

### **Mac eID Viewer**

- Fixed printing issues with some foreigner cards
- Added an icon to the certificate view that displays the certificate status
- Updated OpenSSL to version 1.1.0l and libxml2 to version 2.9.9

## Middleware 4.4.24 Release Notes

Release Date: 12/11/2019

### Supported Operating Systems

Middleware 4.4.24 is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### Pkcs11

- Added reader "ETSWW eKrypto PINPad" to the PPDU over transmit whitelist

### Minidriver

- Added reader "ETSWW eKrypto PINPad" to the PPDU over transmit whitelist

## eID Viewer 4.4.23 Release Notes

Release Date: 25/09/2019

### Supported Operating Systems

eID Viewer 4.4.23 is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### Pkcs11

- Improved handling (ignoring) of smart cards that are not Belgium eID cards
- Added reader to the PPDU over transmit whitelist

### Windows eID Viewer

- added language specific accessibility names to print button and photo image

## eID Viewer 4.4.22 Release Notes

Release Date: 24/09/2019

### **Supported Operating Systems**

eID Viewer 4.4.22 is supported on the following operating systems:

Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)

### **Mac Installer**

- Dmg that contains the installer is now notarized by Apple

### **Mac eID Viewer**

- Is now notarized by Apple

## Middleware 4.4.20 Release Notes

Release Date: 24/09/2019

### **Supported Operating Systems**

Middleware 4.4.20 is supported on the following operating systems:

Apple

- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)
- macOS 10.15 (Catalina)

### **Mac Installer**

- Dmg that contains the installer is now notarized by Apple

### **Pkcs11**

- Is now notarized by Apple

### **BEIDToken**

- Is now notarized by Apple

# Middleware 4.4.18 Release Notes

Release Date: 18/07/2019

## Supported Operating Systems

Middleware 4.4.18 is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Pkcs11

- Improved handling of new slot events
- Improved handling (ignoring) of smart cards that are not Belgium eID cards
- Added reader to the PPDU over transmit whitelist
- increased maximum supported card readers to 24
- minor fixes and improvements regarding return types
- clear more data from more memory after usage
- Added extra logging

## Minidriver

- clear more data from more memory after usage
- Added reader to the PPDU over transmit whitelist
- For Windows 10, the cat file of the minidriver is now signed by Microsoft.
- For Windows 7 and 8.1, the cat file of the minidriver is signed with an EV cert that is cross signed by Microsoft
- The minidriver .zip file will contain a minidriver folder for Windows 10, and one for Windows 7 / 8.1 for simplicity (only the signatures on the .cat files are different)

## Windows Installer

- Based on the Windows OS version of the system it is installing on, the installer will place the appropriate signed cat file for the minidriver

## eID Viewer 4.4.16 Release Notes

Release Date: 20/03/2019

### **Supported Operating Systems**

eID Viewer 4.4.16 is supported on the following operating systems:

#### Apple

- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)

### **Mac eID Viewer**

- Fixed the Drag and Drop functionality
- Updated usage of older functions
- minor bugfixes
- Corrected a few translation errors

## eID Viewer 4.4.14 Release Notes

Release Date: 12/02/2019

### **Supported Operating Systems**

eID Viewer is supported on the following operating systems:

#### Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### **Windows eID Viewer**

- Fixed the Drag and Drop functionality
- Cleanup of some error messages

# Middleware 4.4.14 Release Notes

Release Date: 29/01/2019

## Supported Operating Systems

Middleware 4.4.14 is supported on the following operating systems:

### Apple

- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)

## Mac Installer

- updated readme

## Pkcs11

- Updated to use macOS libc++ library
- minor bugfixes

## BEIDToken

- Updated to use macOS libc++ library
- minor bugfixes
- Use BEIDToken on macOS 10.12 in stead of tokenD

# eID Viewer 4.4.12 Release Notes

Release Date: 30/11/2018

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Windows eID Viewer

- Fixed a translation error

## eID Viewer 4.4.10 Release Notes

Release Date: 24/10/2018

### **Supported Operating Systems**

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### **Windows eID Viewer**

- Fixed keybindings to handle the menu shortcuts
- Optimization and more error reporting of the eID Viewer Backend

## eID Viewer 4.4.9 Release Notes

Release Date: 04/10/2018

### **Supported Operating Systems**

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

### **Windows eID Viewer**

- Added translations for the foreigner field labels
- Increased the default size of the eID Viewer to compensate for the longer labels

# eID Viewer 4.4.7 Release Notes

Release Date: 12/09/2018

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Windows eID Viewer

- Improved handling (ignoring) of unsupported cards (e.g. bank cards)
- Updated source code url in the Viewer's about dialog

## Pkcs11

- increased the maximum number of supported card readers from 8 to 24

# Middleware 4.4.6 Release Notes

Release Date: 06/09/2018

## Supported Operating Systems

Middleware 4.4.6 is supported on the following operating systems:

Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)
- macOS 10.14 (Mojave)

## Mac Installer

- remove BEIDTokenapp before new middleware is installed

## BEIDToken

- BEIDToken now adds non-repudiation certificate to the keystore
- Remove certificate padding that is present in the certificate files
- Added more logging



# eID Viewer 4.4.5 Release Notes

Release Date: 24/07/2018

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Windows eID Viewer

- Bugfix in saving the member of family field to file
- Add a version field to new eid files
- Improved eID Viewer Backend robustness in regards to pkcs11 calls: making sure the pkcs11 calls keep their order and are all (except waitforslotevent) issued by the same thread.
- Improved handling of reader removal/insertion events
- improved handling of switching between auto and manual slot selecting mode (one restriction: when a reader is attached or removed we switch back to auto mode)
- Bugfix in UI regarding setting auto mode
- Improved pkcs11 v2.20 usage: wake-up the waitforslotevent when the slotlist is renewed
- Always clear the screen when new data is about to be read

## Pkcs11

- pkcs11\_ff: no longer keep incrementing the slotnumber for every reader event, but in case of a reader event return a slotnumber that is 1 above the current highest valid slotnumber.
- updated pkcs11 library version to 4.4
- Bugfix where token insertion sometimes would not get noticed

# Middleware 4.4.4 Release Notes

Release Date: 14/06/2018

## Supported Operating Systems

Middleware 4.4.4 is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Windows Installer

- NSIS Installer now tries to recover from some msi install errors, or directs the user towards the corresponding FAQ on [eid.belgium.be](http://eid.belgium.be)

## Pkcs11

- Updated whitelist of PPDU over transmit card readers

## Minidriver

- Adjusted minidriver .inf file to latest Microsoft requirements
- Updated whitelist of PPDU over transmit card readers

# eID Viewer 4.4.3 Release Notes

Release Date: 16/05/2018

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8.1
- Windows 10

## Windows eID Viewer

- Prepared the eID Viewer for new types of foreigner cards
- Show the corresponding FAQ url in case of eID Viewer backend error
- Bugfix where eID Viewer would crash when used against a pkcs11 library that is newer then the Viewer
- Changed date conversion logic for months equal to zero
- Support for some extra ppdu over transmit secure PIN pad readers
- Bugfix member of family field and now display it as a checkbox

# Middleware 4.3.8 Release Notes

Release Date: 15/03/2018

## Supported Operating Systems

Middleware 4.3.8 is supported on the following operating systems:

Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)

## Mac Installer

- on macOS 10.13 the installer will remove BEID.tokenend if found

## BEIDToken

- on exit, BEIDToken.app now show the message that the configuration is already completed
- improved support for secure PIN pad readers

# eID Viewer 4.3.6 Release Notes

Release Date: 15/12/2017

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## Windows eID Viewer

- Bugfix where the national number stored in .eid files would not be shown
- Bugfix where the document type would not get stored into the .eid file

# Middleware 4.3.5 Release Notes

Release Date: 29/11/2017

## Supported Operating Systems

Middleware 4.3.5 is supported on the following operating systems:

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)

## Mac Installer

- bugfix: BEIDToken.app was also installed on macOS 10.12
- added support for our Firefox webExtension plugin

## BEIDToken

- BEIDToken.app now terminates when its last window closes
- added multi-language support in BEIDToken.app

# Middleware 4.3.2 Release Notes

Release Date: 22/11/2017

## Supported Operating Systems

Middleware 4.3.2 is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## Windows Installer

- Install information for our Web Extension firefox addon, so it knows where to find our pkcs11 library
- Msi installers no longer ask for reboot after installation
- NSIS installer has the option to show installation details

## Pkcs11

- Added PPDU over transmit change PIN

## Minidriver

- Bugfixes in the minidriver
- Added support for 32 bit universal apps (support for 64 bit universal apps was already present)

# Middleware 4.3.0 Release Notes

Release Date: 26/09/2017

## Supported Operating Systems

Middleware 4.3.0 is supported on the following operating systems:

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)
- macOS 10.13 (High Sierra)

## Mac Installer

- on macOS 10.13 and above, the installer will open the installed BEIDToken.app from the Applications folder so the BEIDToken is registered and ready to be used. (otherwise the user would need to open the BEIDToken.app once in order to authenticate with e.g. Safari )

## BEIDToken

- A ctkToken implementation for the Belgian eID card has been created, as the former tokend cryptolibrary is no longer supported
- This ctkToken is placed inside a container app (also named BEIDToken) which is installed in the Applications folder

# eID Viewer 4.2.11 Release Notes

Release Date: 11/08/2017

## Supported Operating Systems

eID Viewer is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## Windows eID Viewer

- When eID Viewer is launched by opening an .eid file, it will start by opening that file
- Added support for changing PIN by using secure PIN pad readers that support ppdu over transmit

## eID Viewer 4.2.10 Release Notes

Release Date: 30/06/2017

### **Supported Operating Systems**

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### **Windows eID Viewer**

- Bugfix where print margins were not respected
- Bugfix: place of birth was shown as date of birth and vice versa

## eID Viewer 4.2.9 Release Notes

Release Date: 28/06/2017

### **Supported Operating Systems**

eID Viewer is supported on the following operating systems:

Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### **Windows eID Viewer Installer**

- Added desktop shortcut

### **Windows eID Viewer**

- Display certificates by their common names.
- Added the option to save the certificates and to view detailed certificate information
- Don't allow drag and drop when card data is still being loaded
- Updated link to FAQ site
- Show a messagebox and log a message in case of marshalling errors
- Fixed a bug where card insertion would not be detected when the reader that the card was inserted into was only attached after the eID Viewer was launched
- Made the log level persistent
- Log messages now print the current loglevel of the message in front of the message

# Middleware 4.2.8 Release Notes

Release Date: 09/05/2017

## Supported Operating Systems

Middleware 4.2.8 is supported on the following operating systems:

### Microsoft

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## Windows Installer

- Removed registry setting tools for third party applications from the installer.
- Fixed a missing component in EID Viewer installer, so it no longer depends on the eID middleware being installed
- Removed older versions of card reader drivers
- minidriver is no longer installed as a driver by the msi installers, the minidriver is now also available as a separate inf driver installer. The QuickInstaller will still install the minidriver as a driver.
- Added a silent install option (/S parameter) to the QuickInstallers, so they can be installed without user interaction.
- Removed the license screen from the QuickInstaller, as the licenses are shown on the website

## Pkcs11

- Updated the old pinpad plugin system, so that before each PIN command the registry is checked for language settings

## eID Viewer

- Bugfix: PIN change and PIN verify were showing the same message when they completed successfully.
- Correctly validate certificates of recent cards
- identity and address verification allows re-keyed cards with updated hash signatures
- loglevels are now also printed in the eID Viewer logging
- added an icon to the eID Viewer



# Middleware 4.2.7 Release Notes

Release Date: 30/05/2016

## Supported Operating Systems

Middleware 4.2.7 is supported on the following operating systems:

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)

## Mac Installer

- Fixed a bug where the installer would also create an empty folder
- Removed the belgium rootca's from the installer

## Pkcs11

- Minor bugfixes
- Removed the warning dialog that card identity or address data is going to be read by our pkcs11 library. It is up to the application or the usage environment to inform the user that his card will be read out.

## TokenD

- BEID.tokenD now supports signing of sha512 hashes (used by google chrome 57)

## eID Viewer

- a new native eID Viewer has been written, based upon pkcs11.
- This new eID Viewer will be made available through a separate drag and drop installer.
- The former java eID Viewer will be discontinued

# Middleware 4.2.1 Release Notes

Release Date: 16/02/2017

## Supported Operating Systems

Middleware 4.2.1 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## Windows

- Moved the default middleware logging directory from [program files] to [program data]. The installer logs will still be written into the beid folder in [program files]

## Windows Installer

- The look and feel of the Windows QuickInstaller has been adjusted, more changes will be made when the new eid site goes live.
- Firefox plugin is no longer part of the Windows NSIS installer. We prefer users to install it from the Mozilla addons site, so it will get updated automatically. Firefox plugin can be downloaded at <https://addons.mozilla.org/en/firefox/addon/belgium-eid/>
- eID Viewer is no longer part of the Windows NSIS installer, as eID Viewer is not needed to use the eID Card for authentication, nor to create signatures with the eID Card

## Pkcs11

- Removed the warning dialog that card identity or address data is going to be read by our pkcs11 library. It is up to the application or the usage environment to inform the user that his card will be read out.
- Pkcs11 for firefox will no longer use polling when waiting for card or reader changes
- Minor bugfixes

## eID Viewer

- a new native eID Viewer has been written, based upon pkcs11.
- This new eID Viewer will be made available through a separate installer.
- The former java eID Viewer will be discontinued

# Middleware 4.1.20 Release Notes

Release Date: 1/12/2016

## **Supported Operating Systems**

Middleware 4.1.20 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## **Windows**

- support for Microsoft Edge browser has been added
- On Microsoft Edge, no user notification to enter PIN on a secure PIN pad reader will be given

# Middleware 4.1.19 Release Notes

Release Date: 18/10/2016

## Supported Operating Systems

Middleware 4.1.19 is supported on the following operating systems:

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)
- macOS 10.12 (Sierra)

### Mac

- Added support for macOS 10.12 (Sierra)
- BEID.tokenD now supports signing of sha256 hashes

# Middleware 4.1.19 Release Notes

Release Date: 28/06/2016

## Supported Operating Systems

Middleware 4.1.19 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### Firefox Extension

- eID Middleware addon updated according to API change in Firefox 47

# Middleware 4.1.18 Release Notes

Release Date: 20/05/2016

## Supported Operating Systems

Middleware 4.1.18 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### Linux

- Debian 7, Debian 8
- Ubuntu 14.04 LTS, Ubuntu 16.04
- Linux Mint 17.3 8
- Fedora 22, Fedora 23
- Red Hat Enterprise Linux 6, Red Hat Enterprise Linux 7, CentOS
- openSUSE 13.2, openSUSE Leap 42.1

## eID Viewer

- Added support for cards with SHA256 signature hashes

## Firefox Extension

- eID Middleware addon signature renewed by Mozilla

# Middleware 4.1.16 Release Notes

Release Date: 12/04/2016

## Supported Operating Systems

Middleware 4.1.16 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

## eID Viewer

- Added extra logging to the eID Viewer (for the case that the validation of the data on the eID card fails)

## Middleware 4.1.14 Release Notes

Release Date: 15/04/2016

### Supported Operating Systems

Middleware 4.1.14 is supported on the following operating systems:

Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### Windows installer

- Fixed an issue where the minidriver wasn't always installed after an upgrade of the middleware
- Added the signed firefox plugin to the installers

## Middleware 4.1.13 Release Notes

Release Date: 04/02/2016

### Supported Operating Systems

Middleware 4.1.13 is supported on the following operating systems:

Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### Windows

- Fixed the sha256 signature of the minidriver installer
- Removed the unsigned firefox plugin

### eID Viewer

- Removed the java maximum version number restriction, which caused the eID Viewer not to work with the latest java versions.

## Middleware 4.1.11 Release Notes

Release Date: 03/12/2015

### Supported Operating Systems

Middleware 4.1.11 is supported on the following operating systems:

#### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)

#### Mac

- Fixed a missing link to libbeidpkcs11.dylib
- Bugfix in eID Viewer's java selection mechanism when multiple java versions are present

## Middleware 4.1.10 Release Notes

Release Date: 19/11/2015

### Supported Operating Systems

Middleware 4.1.10 is supported on the following operating systems:

#### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

#### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)

#### Windows

- Fix for the 5 second reset timer when being idle during a transaction on Windows 8 , Windows 8.1 and Windows 10

#### Mac

- Fix for the read permission dialog box
- When multiple java runtimes are present, eID Viewer tries to launch the most recent one

# Middleware 4.1.9 Release Notes

Release Date: 22/10/2015

## Supported Operating Systems

Middleware 4.1.9 is supported on the following operating systems:

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)

### Mac

- Fix in pkcs11 for creating signatures with the signing certificate
- Firefox uses pkcs11 dialogs again
- No longer add card readers to the supported card readers list of the default CCID

### SDK

- Reverted change of middleware version 4.1.4 : "Disabled pre-loading of CDF and KDF files when info about a token was asked" as this caused certificates and keys not being found in certain situations



## Middleware 4.1.8 Release Notes

Release Date: 12/10/2015

### Supported Operating Systems

Middleware 4.1.8 is supported on the following operating systems:

#### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)
- Mac OSX 10.11 (El Capitan)

#### Mac

- Fix for Fedict secure pinpad reader on OS X 10.11
- Pkcs11 32bit mode added again
- eID Viewer.app is now always installed into the Applications folder, rather than allowing relocation
- eID Viewer now shows a human readable message when it can not find a java runtime

## Middleware 4.1.7 Release Notes

Release Date: 14/10/2015

### Supported Operating Systems

Middleware 4.1.7 is supported on the following operating systems:

#### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

#### Windows

- fixes for older secure pinpad readers that make use of beidplugin libraries

#### SDK

- Reverted change of middleware version 4.1.4 : "Disabled pre-loading of CDF and KDF files when info about a token was asked" as this caused certificates and keys not being found in certain situations

# Middleware 4.1.4 Release Notes

## Supported Operating Systems

Middleware 4.1.4 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)

### GNU/Linux

- Debian 7, 8
- Linux Mint 13, 17
- Fedora 20, 21, 22
- Ubuntu 12.04, 14.04, 15.04
- CentOS 6, 7
- RedHat Enterprise Linux 6, 7
- OpenSUSE 13.1, 13.2

## Pkcs11 for FireFox

- Bugfix: wasn't closing transaction when certain errors occurred
- Minor cleanup of os specific code

## SDK

- Disabled pre-loading of CDF and KDF files when info about a token was asked

## Mac

- Whitelisted more ppdu over transmit cardreaders in our crypto libraries
- Pkcs11 will now use the firefox dialogs to ask for the pincode
- Using the Mac Package installer as new quickinstaller now

## Windows

- Whitelisted more ppdu over transmit cardreaders in our crypto libraries
- Changed manual installer, so the user can choose to not install the minidriver

- Bugfixes in minidriver when handling some card reader responses

## **Linux**

- Added gtk3 support in pkcs11

## **eID Viewer**

- Drag-and-drop functionality added to easily allow using identity information from other applications.
- Show a progress bar while reading the card
- Support for JDK8 under OSX
- Support for cardreaders with builtin keyboard
- Minor bugfixes

# Middleware 4.1.3 Release Notes

## Supported Operating Systems

Middleware 4.1.3 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)

### GNU/Linux

- Debian 7, 8
- Fedora 20, 21, 22
- Ubuntu 12.04, 14.04, 15.04
- CentOS 6, 7
- RedHat Enterprise Linux 6, 7
- OpenSUSE 13.1, 13.2

## Pkcs11 for FireFox

- Cleaned up error messages
- Cleaned up code based on coverity scan

## SDK

- Updated the mechanisms table to show that we support 2K keys
- Added support for new foreigner cards

## Quick installer Windows

- Created a new quick installer for windows
- This new quick installer is an NSIS installer, it is smaller, faster and less confusing than the former proprietary installer
- Language settings used by the installer are taken from windows (OS GUI language)

## Windows

- Removed legacy packages needed by eID SDK 2 and eID SDK 3.x

# Middleware 4.0.7 Release Notes

## Supported Operating Systems

4.0.7 is supported on the following operating systems:

### Microsoft

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1

### Apple

- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)
- Mac OSX 10.10 (Yosemite)

### GNU/Linux

- Debian 7, 8
- Fedora 20, 21, 22
- Ubuntu 12.04, 14.04, 15.04
- CentOS 6, 7
- RedHat Enterprise Linux 6, 7
- OpenSUSE 13.1, 13.2

## Pkcs11 for FireFox

- Read permission denial only has effect for the current read request. (will be asked again before the next read)(change added in build 4.0.7.7445)
- secure PINpad readers: added support for PPDU over transmit (for secure PINpad readers that are whitelisted)
- In order to prevent firefox freezes while waiting for card or reader insertion/removal event, pkcs11 now also polls every 500ms

## Minidriver

- secure PINpad readers: added support for PPDU over transmit (for secure PINpad readers that are whitelisted)
- fix added (in build 4.0.7.7465) to avoid card resets when the minidriver deauthenticates the card

## Windows

- Bugfix for Win8: changed the flow of getting the user's PIN, in order not to run into Windows 8's 5 seconds transaction timer
- fix added (in build 4.0.7.7466) in eID Viewer wrapper, to allow starting the viewer in java 8

## Quick installer Windows

- Added installation of drivers for Windows 8 and 8.1 for cardreaders distributed by fedict (added in build 4.0.7.7453)

## **Quick installer Mac**

- Installs the latest ACR driver software for mac OS X 10.9
- Updates the lists of readers supported by OS X's default ccid driver
- Installs Belgium Root CA3 self-signed in Keystore

## **Tokenend**

- beid.tokenend now support PPDU over transmit (for secure PINpad readers that are whitelisted)
- Updated beid.tokenend to support 2K key cards

# Middleware 4.0.6 Release Notes

## Supported Operating Systems

Middleware 4.0.6 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit only)
- Windows Vista
- Windows 7
- Windows 8

### Apple

- Mac OSX 10.6 (Snow Leopard)
- Mac OSX 10.7 (Lion)
- Mac OSX 10.8 (Mountain Lion)
- Mac OSX 10.9 (Mavericks)

### GNU/Linux

- Debian 6.0.3
- Fedora 14,15,16
- Ubuntu 10.10 and 11.04
- Scientific Linux 6
- CentOS 5, 6
- RedHat Enterprise Linux 5,6

## eID Viewer

- Fixed UTF-8 Encoding causing strange characters to appear in French menus
- Updated .exe wrapper to fix issue where multiple instances could be launched
- Relaxed data type checking heuristic for old TLV files, so they can now be opened
- Fixed bug whereby specialStatus field would not be read back correctly from saved file
- RRN Certificate is now correctly imported from V3.X TLV files
  
- Open Dialog now accepts all formats under the .eid extension, .csv under .csv extension
- Save Dialog now saves as XML (named .eid) or CSV (named .csv)
- The above 2 changes allow setting the viewer as default application for .eID files
  
- We now support identities with no first or middle names
- The print option is now enabled even with no printers detected (e.g. for Print-To-PDF)
- Fixed text overlap in French printout on MS Windows.
  
- Default LogLevel is now ALL
- Now logs Java properties again when setting Logging level to ALL
- Added Browse-To entries to FAQ and test pages to help menu
- Log Panel now has "Copy To Clipboard" button
- Fixed bug where 'Show Log' toggle did not have correct initial state if Logging was on at startup
- "View Detail" functionality in Certificates panel shows all X509 fields in textual format

## Pkcs11 for FireFox

- Fixed a locking issue that could cause firefox to hang
- Added PSS support
- Added support for cards with 0 or 1 certificate
- Added support for 2K key cards
- Bugfix on Mac where a transaction would not be closed when detecting a non-eID card
- Readpermission can now be granted to an application (but only during its current lifetime)

## **Minidriver**

- Added SSL3 support (needed for e.g. google Chrome)
- preparations for PSS support
- Added support for cards with 0 or 1 certificate
- Added support for 2K key cards
- PIN entries don't allow non-numerical input any more

## **Linux**

- DEB installers: fixed encoding issue in .deb resources
- RPM installers: Java dependency allows for any JRE implementation  $\geq 1.6$  (was =OpenJDK 6)



# Middleware 4.0.4 Release Notes

## Supported Operating Systems

Middleware 4.0.4 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.6 (Snow Leopard) (32-64 bit Intel)
- Mac OSX 10.7 (Lion) (32-64 bit Intel)

### GNU/Linux

- Debian 6.0.3
- Fedora 14,15
- Ubuntu 10.10 and 11.04
- Scientific Linux 6
- CentOS 5, 6
- RedHat Enterprise Linux 5,6

## eID Viewer

- Changed eID Viewer locking strategy to reduce concurrency issues between the eID Viewer and other appliances accessing the eID card.

(So eID Viewer doesn't block e.g. the browser (very long) when the browser tries to access the card)

## Pkcs11 for FireFox

- Bugfix where Firefox would freeze or crash when a card was still inserted when Firefox was closed.
- Added a customized PKCS11 module for Firefox in Windows that allows for hot swapping of cardreaders. (So Firefox does not need to be restarted in order to find newly connected readers)

# Middleware 4.0.2 Release Notes

## Supported Operating Systems

Middleware 4.0.2 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.6 (Snow Leopard) (32-64 bit Intel)
- Mac OSX 10.7 (Lion) (32-64 bit Intel)

### GNU/Linux

- Debian 6.0.3
- Fedora 14,15
- Ubuntu 10.10 and 11.04
- Scientific Linux 6
- CentOS 5, 6
- RedHat Enterprise Linux 5,6

## Quick Installer Windows

- The Quick installer will no longer register certificates itself.
- On Windows Vista and Windows 7, the Quick Installer will launch the certificate propagation service, which will handle the registration of the certificates.
- On Windows XP, the Quick Installer will launch the scertproctool, which will handle the registration of the certificates.

## eID Viewer

- The eID Viewer is now presented as a single file.
- Bugfixes in the eID Viewer.

## Pkcs11 / SDK

- Bugfixes regarding signing.
- Improved performance for SDK 4.0, when not all data objects are requested.

## Windows

- Bugfix: removal of shortcuts to previous versions of eID MW.

# Middleware 4.0.0 Release Notes

## Supported Operating Systems

Middleware 4.0.0 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.5 (Leopard) (32-64 bit Intel)
- Mac OSX 10.6 (Snow Leopard) (32-64 bit Intel)
- Mac OSX 10.7 (Lion) (32-64 bit Intel)

### GNU/Linux

- Debian 6.0.3
- Fedora 14,15
- Ubuntu 10.10 and 11.04
- Scientific Linux 6
- CentOS 5, 6
- RedHat Enterprise Linux 5,6

## Quick installer Windows

- Improves reader detection when the Windows smartcard service has limited permissions

## Quick installer Mac

- Installs the latest ACR driver software for mac OS X 10.7
- Bugfix for older ACR driver software when upgrading to mac OS X 10.7
- Improved reader detection on mac OS X 10.7

## eID-Viewer

- New eid-viewer, written in java and based upon the eid applet.
- The eid-viewer is now totally independant from the rest of the eid middleware

## Pkcs11

- Memory leak fixed.
- 

## Minidriver

- Minidriver now supports odd(uneven) PIN lengths (max Pin length is 12)

## Tokenend

- Added beid.tokenend for mac OS X 10.7

## SDK

- Support for applications build upon eidmw SDK 4.0 added
- A warning message will be displayed once when applications are run that are build upon SDK 3.5

## **Windows**

- Added an automatic certificate registration application for eidcards
- Added a tool to configure XAdES\_XL signatures for Office2010
- during mw install, set office 2010 XAdES settings when no TSA has been set already
- The cleanup tool now supports the option -u (only use the uninstall strings or msi uninstall option), which will be used by the eidmw windows installers

# Middleware 3.5.6 Release Notes

## Supported Operating Systems

Middleware 3.5.6 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.5 (Leopard) (32-64 bit Intel)
- Mac OSX 10.6 (Snow Leopard) (32-64 bit Intel)

## Quick installer Windows

- Improves reader detection when the Windows smartcard service has limited permissions

## Quick installer Mac

- Improved reader detection during Quick Install
- Improved compatibility with CCID readers on mac OSX 10.5.6, 10.5.7 and 10.5.8

## Middleware

- Minor bugfix regarding improved compatibility for first generation cards
- Bugfix regarding language settings and non-ccid secure pinpad readers

## eID-Viewer

- Fixed a bug where a saved .xml file could not be opened anymore
- Updated PIN verification and PIN change messages

## Mac manual installation

- The manual installer will not install on ppc anymore

# Middleware 3.5.5 Release Notes

## Supported Operating Systems

Middleware 3.5.5 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.5 (Leopard) (32-64 bit Intel)
- Mac OSX 10.6 (Snow Leopard) (32-64 bit Intel)

## Quick installer



- Improved accessibility for warning, question and error messages

## Windows installers

- Fixed a bug that could cause the installer to halt during installation. (when trying to launch a service)
- Improved accessibility for warning, question and error messages

## Middleware

- Improved compatibility for first generation cards (based on the “SIFA22 module” and generally produced before end 2009) in combination with latest hardware

eID cards with the Sifa-22 module have the Infineon SLE66CX322P chip  <b>Sifa 22 module</b>	eID cards with the World module have a more recent chip, the Infineon SLE66CX360PE.  <b>World module</b>
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- Fixed a bug where saving an xml file would cause the reader to crash (if no xml file was opened before).
- Improved the pkcs11 library, so firefox can be used to create a backup of the user's certificates

## eID-Viewer

- Improved compatibility for first generation cards (based on the “SIFA22 module” and generally produced before end 2009) in combination with latest hardware
- Implemented protection against dll insertion attacks
- Added a tooltip to the eidviewer on Windows

## Outlook suppress name check tool

- Updated outlook snc tool to support outlook version 2010.

## **XPI**

- Improved support for Firefox 4.0.
- XPI now registers itself to improve the chance of being found when Firefox is not installed on the default path.

# Middleware 3.5.4 Release Notes

## Supported Operating Systems

Middleware 3.5.4 is supported on the following operating systems:

### Microsoft

- Windows XP (32 bit)
- Windows Vista (32-64 bit)
- Windows 7 (32-64 bit)

### Apple

- Mac OSX 10.5 (Leopard) (32-64 bit)
- Mac OSX 10.6 (Snow Leopard) (32-64 bit)

## Windows (All)

- Windows Quickinstaller will now automatically register the certificates of the card it reads out. Old certificates (different rootCA, CSP provider info) will be replaced.
- When running the eidmw installer (msi), the scardsrv service is started and startup type is set to "auto".
- The Windows Quickinstaller will no longer refuse to launch when beid35common.dll or one of the legacy services is still in use by another application. The cleanuptool will find these applications and stop them.
- Accessibility features have been added to the Windows Quickinstaller, so it can be read by screenreaders.

## Windows 7 and Vista

- Minidriver is installed instead of the former CSP (still present on XP installs).
- Certificates registered by the Quickinstaller and eidviewer will be saved according to minidriver specifications, old certificates (different rootCA, CSP provider info) will be replaced.
- When running the eidmw installer (msi), the certificate propagation service is started and startup type is set to "auto".

## Mac OS X 10.6 (Snow Leopard)

- BEID.tokenD will only be installed on Mac OS X 10.5, BELPIC.tokenD (part of the OS) will be used on Mac OS X 10.6 (if present, BEID.tokenD will be removed on 10.6)
- Updated Mac ACR driver packages.

## Quickinstaller

- Simplified Quickinstaller; no more 'next button' presses are needed, automatic detection of reader and card insertion during installation.

## Middleware

- The crypto modules (pkcs11, CSP, minidriver, tokenD) are now also available in 64 bit.



- Support for the General time format representation.
- Extra info added in the changePIN dialog box
- Bugfix : cert store wasn't always closed when errors occurred.
- pkcs11: bugfix: in function p11\_set\_attribute\_value; supplied value length was not correct.
- Increased error checking on card read-out.
- Middleware is now built against Xerces 3.1.

## **eID-Viewer**

- Disabled filecaching : contents of the eidcard are no longer cached on harddisk.
- File-suffixes of files to open or to save are now case insensitive.
- Eidviewer no longer crashes when parsing wrong .xml files.
- Changed the displayed languages in the German language menu into their own language (e.g. 'Nederlands' instead of 'Niederländisch'). This was already the case for the other languages.
- Display a connection error as a connection error and not as an unknown card type error.

## **XPI**

- Reduced number of global variables to one.
- Unzipped files are getting installed now.
- Support for Firefox 4.x.x.
- Changed the xpi for Mac to point to the pkcs11 dylib instead of to the bundle.

When a previously installed security device points to the bundle, it will be unloaded and a “restart Firefox” message will be given to the user.