

## RELEASE NOTES

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16th May 2019: Version 4.7.5.23

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- \*. SignFile API now supports detached signing as well

9th Jan 2019: Version 4.7.5.22

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- \*. Handling special characters in PDF signature block for Reason, Location, etc.
- \*. Regdrv now removes any previous registration of PKCS#11 device done using slot description

13th Nov 2018: Version 4.7.5.21

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- \*. Added data decryption feature to SignApp and the demin.js

6th Nov 2018: Version 4.7.5.20

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- \*. SignPDFInMemory call now creates temporary file with .pdf extension so that if PDFEnhancerPatch is required, it works correctly

28th Aug 2018: Version 4.7.5.19

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- \*. A non-expired certificate issued by a CA whose certificate is expired will be flagged as untrusted instead of valid
- \*. Install now includes VC Redistributable as well as PDFEnhancerPatch
- \*. Added support for browser independent encryption

15th Jun 2018: Version 4.7.5.17

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- \*. New Installer that does not use VBScript (so more anti-virus friendly), does not need "Enable Firefox" menu option and does not need batch files
- \*. SignApp now always runs in the context of user even if started using Run As Administrator
- \*. Corrected version checking JS API implementation
- \*. Fixed handling of PDF files of very small size

22th Feb 2018: Version 4.7.5.15

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- \*. Logging in low level PKCS#11 components
- \*. Handle Token Already Logged-in error in PKCS#11
- \*. Supports detached PDF signing in split signing mode
- \*. In case of PKCS#11 drivers, silent mode operation and the HSM partition password were not handled correctly in some cases

4th Jan 2018: Version 4.7.5.14

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- \*. Fixed issue: SignPDFInMemory did not support detached PDF signing. Also the default for SignFile was not detached PDF signing

10th Nov 2017: Version 4.7.5.13 (Not released for GA)

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- \*. Handling non-ANSI characters in certificate subject and issuer names
- \*. New JavaScript API for browser independent signing: GetSignerCertDetails. Use updated ds2min.js
- \*. Fixed issues in GetB64EncodedSignerCert API of DeskSign

8th Sep 2017: Version 4.7.5.12 (Not released for GA)

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- \*. Error handling in signing to distinguish device errors from exceptions

22nd Aug 2017: Version 4.7.5.11 (Not released for GA)

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- \*. PKCS#11 device access now asks for PIN even for certificate enumeration to support HSMs
- \*. In case of batch signing errors with PKCS#11, return the signatures that were done successfully

21st Jun 2017: Version 4.7.5.10 (Not released for GA)

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- \*. In case of retrieving images or CRL from HTTPS URLs, ignore cert revocation checking error
- \*. Error from PKCS#11 used to result in no matching cert found
- \*. install.bat in the Installer now supports Firefox as well
- \*. The Installer can now be run without uninstalling any previous version
- \*. Installers for multiple portals (different customers) can be installed on the same machine
- \*. Installer now detects if a browser is currently open, and forces browser and SignApp to be closed
- \*. The installer disables registry virtualization for E-Lock registry to avoid problems with license keys
- \*. ds2min.js: Now gives a different error if initialize is not done.
- \*. Recommend a different onclick handling for client pages to handle cases where initialization was not happening because of Frames

9th Jun 2017: Version 4.7.5.9

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- \*. Make SignApp runnable from batch files
- \*. Run registry to call SignApp with -s for restart
- \*. For both quit as well as restart options of SignApp, try to terminate current instance if it does not quit itself
- \*. Install now includes batch files for installation if Script based installation does not work because of Anti-virus
- \*. Signing of PDF files on rotated pages had a problem which is now fixed

19th May 2017: Version 4.7.5.8

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- \*. In some cases, three or more signature on the same PDF had problems validating signatures
- \*. Timestamp after was not working for PDF signed in detached mode
- \*. In case of some timestamp servers, the size of PDF signature generated was more than expected causing signing failure
- \*. Installer has provision to be in silent mode
- \*. Fix problem in certificate listing in PKCS#11 if it does not succeed without logging on to token
- \*. KeyUsage not allowed bits can be specified through registry

9th May 2017: Version 4.7.5.7

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- \*. Make large file signing more efficient for IE and Edge by using bigger buffers in ds2min.js and SignApp
- \*. Handle non-ANSI Characters in ds2min.js
- \*. Signing with EnablePDFArchivalSignature used to remember subject DN. As a result next signing used to only list that 1 certificate
- \*. \_elk\_uninitialize now just closes the connection rather than closing SignApp. It is now recommended to call this:  
window.addEventListener("beforeunload", function() { myObj.\_elk\_uninitialize(); }, false);
- \*. regdrv command-line supports specifying slot-id or label it should register
- \*. For PKCS#11 devices, now there is no need to give PIN for listing certificates. PIN is required only for signing
- \*. HTransport problem downloading file in case of HTTP errors
- \*. Removed caching in HTransport. Was causing problem that sometimes cached files were returned
- \*. DeskVerf now does revocation check for entire chain. Also more checks during trust checking / chain building
- \*. Signing now returns correct error if user cancels on the PIN dialog
- \*. Implements "GetCurrentVersion" API in SignApp so client page can get the version installed
- \*. Implements "SetUpdateInfoURL" API in SignApp so client can distribute updates from intranet

- \*. The default file extraction location is not under the TEMP folder but a location under c:\. This is more anti-virus software friendly
- \*. Fixes "Could not connect to E-Lock SignApp." problem with some versions of IE 11.

24th April 2017: Version 4.7.5.6

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- \*. Support for Chrome 58 onward
- \*. SignApp and ds2min.js now return operation statusCode in params JS Object in the callback function for all calls
- \*. Timestamping after the signature (PDF compatible timestamping) now works with PKCS#11 also (earlier used to work only with MSCAPI)
- \*. regdrv.exe now registers all available slots

13th April 2017: Version 4.7.5.5

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- \*. For both MSCAPI and PKCS#11, by default certificates are listed if they have either DigitalSignature OR Non-Redudiation bits set in KeyUsage extens
- \*. If ConfigSigBlock specifies empty or null signature text, it now removes earlier cached text from a previous call

5th April 2017: Version 4.7.5.4

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- \*. Fixed an issue with signing not working from Chrome Version 56, 57
- \*. Design error in handling empty image file for signing PDF files

16th March 2017: Version 4.7.5.2

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- \*. Includes PDFEnhancerPatch
- \*. ConfigSigBlock now supports Full URL (starting with http: or https:) to the image file, apart from local file system path
- \*. DeskSign: GetBase64EncodedCert to return cert after any signing call: DONE
- \*. Some PDF files were getting signed incorrectly, particularly those which had one signature done by ESIGN or some other s/w

27th Feb 2017: Version 4.7.5.0

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- \*. Updated latest ds2min.js to: give alerts only when signing APIs are called. Also made compatible with IE 7 Compatibility mode
- \*. Added ds2checkmin.js to be invoked on page prior to signing page to check if signing is supported. Made compatible with IE 7 Compatibility mode
- \*. Updates to PDFencr.dll to handle spurious errors of incorrect passwords
- \*. Updates for rendering question mark, tick mark and cross on signatures
- \*. Bug fixes to BulkSigner (desksign, deskserv, pdfsignverifywpr for PDF files getting signed incorrectly; non-PDF files getting signed twice)
- \*. SignApp icon
- \*. SignApp Restart Menu
- \*. Start->All Programs menu now called "E-Lock SuperSigner Plus Client"
- \*. Uninstallation of SuperSignerPlus Client also removes all old client entries from Control panel and any extra components installed by them
- \*. Reason support in etlicense and pdfsignverify to treat long time validity builds as live

2nd Feb 2017: Version 4.7.4.9

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- \*. SignPDFData, SignPDFInMemory now support both signature formats -- attached (adbe.pkcs7.sha1) and detached (adbe.pkcs7.detached)
- \*. ds2min.js also updated accordingly
- \*. Both API documents (Signing API and Javascript API) updated accordingly

28th Jan 2017: Version 4.7.4.8

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- \*. Show Question, Tick and Cross marks on PDF signatures based on option specified in ConfigSigBlock
- \*. ds2min.js: SignPDFInMemory now has silent\_mode as and additional parameter
- \*. SignApp modified for the same. API Documentation modified for the same
- \*. DeskSign crash in some cases of MSCAPI token driver errors (with SHA256) fixed

10th Jan 2017: Version 4.7.4.6

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- Speed of PDF Encryption was very slow only some machines. Some MSCAPI related problem. This has been fixed for all machines by using a custom implementation of encryption algorithm

2nd Jan 2017: Version 4.7.4.5

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- Automatic repairing of PDF files in unsupported formats in case of PDF encryption too (earlier this was done only for signing)

30th Dec 2016: Version 4.7.4.4

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- 1. Invalidate cached session for PKCS#11 devices if token/card removed and reinserted. Avoids having to re-start SignApp
- 2. DeskSign EnumCSPs now enumerates both MSCAPI and PKCS#11 providers. PKCS#11 csp names use "PKCS11-" as prefix
- 4. SelectCertificate allows selection of PKCS#11 certificate if appropriate provider is set through SetSigningParametersEx
- 5. BulkSigner configuration now allows configuring PKCS#11 devices

19th Dec 2016: Version 4.7.4.3

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- 1. Include regdrv in the build for supporting PKCS#11 devices. Regdrv now registers full path of the DLL instead of just DLL name
- 2. Fixes for supporting Gemalto devices. Including registering only 1 slot per device
- 3. No longer adds Netscape provider to registry
- 4. SignApp handles boolean parameters to the APIs as either true/false or non-zero/zero integer values. Earlier only true/false were handled correctly produced unpredictable results

24th Nov 2016: Version 4.7.4.1

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- \*. Fixed installation and uninstallation problems with files getting left behind and some files not getting updated
- \*. Unified and integrated installation script for all installs
- \*. Fixed the problem where on some installations of Windows 10 64-bit machines, it was giving Authentication Error even though license keys were insta
- \*. Ships with new ds2min.js
- \*. Documentation update

17th Nov 2016: Version 4.7.4.0

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- \*. Support for Microsoft Edge and Opera Browsers
- \*. Problem with SignPDFInMemory for Chrome and Firefox resolved
- \*. New API added for client-side of split signing of PDF files
- \*. Documentation update

25th Oct 2016: Version 4.7.3.9

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- \*. Added batch signing calls to DeskSign (duplicate of SignLite calls)
- \*. PKCSI#11 support for desksign batch calls

- \*. Optimizations in batch calls for PKCS#11
- \*. Documentation update for GetSubjectDN, GetIssuerDN
- \*. Fixed issues with GetSubjectDN, GetIssuerDN
- \*. Install related changes: removed partial uninstall menu and added Enable Firefox menu

31st Aug 2016: Version 4.7.3.5

- \*. Added functionality SignPDFInMemory which takes PDF as Base64 encoded string and returns signed PDF as Base64 encoded string

5th Aug 2016: Version 4.7.3.4

- \*. Support for IE8
- \*. Installs dsmin.js in the installation directory for reference
- \*. Support for Windows 10

12th Jul 2016: Version 4.7.3.2

- \*. Browser independent signing. For both IE and Firefox, there is an automatic fallback to ActiveX plugin based signing
- \*. VC Redistributable for VC2008 is included in it
- \*. Browser independent signing will work in IE and Chrome in all users' context
- \*. Browser independent signing will work in Firefox for the user in whose login the program was installed. For making it work in other user contexts, the user will need to double-click the FirefoxAddCert.vbs in the NSS folder in the installed directory once.
- \*. New functionality called SignFile (used for Sign and upload). Available only in Browser Independent signing mode. Not available in ActiveX plugin mode
- \*. PDF Archival Signature capability is included but may not work if VC Redistributable for VC 2005 is not installed on user's machine. To do that the redistributable will need to be separately sent to the user and installed
- \*. SignFile API supports both with get signature and without get signature. The former has a limit of 10MB on file size. Latter has no limit and should be able to sign 10GB file also