

Kofax SignDoc

Release Notes

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The logo for KOFAX, consisting of the word "KOFAX" in a bold, blue, sans-serif font.

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Chapter 1

About this release

The release notes give you information about Kofax SignDoc 2.2.1. Please read this document carefully, as it may contain information not included in other product documentation.

Version information

The overall build number for Kofax SignDoc 2.2.1 is 2.2.1.0.0.32. The Kofax SignDoc 2.2.1 product family consists of the following sub-components:

Component	Build number information and additional notes
SignDoc Standard 2.2.1	Build number is displayed in the footer of clients.
SignDoc Web 2.2.1	Build number is displayed in the About page.
SignDoc SDK 5.0	Individual component build number is displayed in the readme file. Overall product build number is listed in the shipment readme.
SignAlyze 1.9.0	Individual component build number is displayed in about box of SignAlyze Help menu. Overall product build number is listed in the shipment readme.
SignDoc Device Support Setup 2.0.1	Individual build number is displayed in component readme. Browser extensions have individual build numbers. Component can be downloaded via services.kofax.com .

System requirements

For information on technical requirements for hardware, server and client operating systems, web application servers, supported signature capture devices, compatible software and more, see the *Kofax SignDoc Technical Specifications 2.2.1* document on the Kofax E-signature support page on the Kofax website: www.kofax.com

Product documentation

The SignDoc product documentation set consists of guides and help systems to assist you with installing, configuring, and using the software.

Online documentation

The product documentation for SignDoc 2.2.1 is available online:

https://docshield.kofax.com/Portal/Products/en_US/SD/2.2.1-kjbc1n42d/SD.htm

Once you install SignDoc Standard or SignDoc Web, the help system is launched automatically when you click the Help icon.

Offline documentation

Customers who require offline documentation can download KofaxSignDocDocumentation_2.2.1_EN.zip from the [Kofax Fulfillment Site](#). The .zip file includes both help and print directories.

Help for Kofax SignDoc Standard

The following steps describe how to make the offline help accessible in SignDoc Standard (Administration Center, Manage Client, and Signing Client) by copying the help to the internal webserver (Tomcat) of the installation.

Note Before proceeding, you must install SignDoc Standard in the directory <INSTALLDIR> and set the <SERVICE_EXTERNAL_HOST_URL> as described in the *Kofax SignDoc Standard Installation Guide*.

1. From the Kofax Fulfillment site, download KofaxSignDocDocumentation_2.2.1_EN.zip.
2. Extract the contents of the .zip file to any directory <EXTRACTDIR>.
3. Copy the directory <EXTRACTDIR>/help to the directory <INSTALLDIR>/service/webapp.
4. Start SignDoc Standard and configure the help links in the "System settings" of Administration Center.
 - a. Manage Client
Open subcategory Client/Manage and edit "Manage Client online help URL" by entering the URL <SERVICE_EXTERNAL_HOST_URL>/help/Standard/index.html for all languages.
 - b. Signing Client
Open subcategory Client/Signing and edit "Signing Client online help URL" by entering the URL <SERVICE_EXTERNAL_HOST_URL>/help/StandardSigningDocuments/index.html for all languages.
 - c. Administration Center
Open subcategory Client/Administration and edit "Administration Center online help URL" by entering the URL <SERVICE_EXTERNAL_HOST_URL>/help/StandardAdministrationCenter/index.html for all languages.
5. Test the configured links by clicking the Help link in the header of Administration Center, Manage Client and Signing Client. Each help system should display in a new browser tab.

Guides for Kofax SignDoc Standard

From the directory <EXTRACTDIR>/print, you can access the following guides:

- *Kofax SignDoc Standard Administrator's Guide*
KofaxSignDocStandardAdministratorsGuide_EN.pdf
- *Kofax SignDoc Standard Developer's Guide*
KofaxSignDocStandardDevelopersGuide_EN.pdf
- *Kofax SignDoc Standard Installation Guide*
KofaxSignDocStandardInstallationGuide_EN.pdf

Help for Kofax SignDoc Web

To open and use the SignDoc Web documentation, follow these steps:

1. From the Kofax Fulfillment site, download KofaxSignDocDocumentation_2.2.1_EN.zip.
2. Extract the contents of the .zip file to any directory <EXTRACTDIR>.
3. Navigate to <EXTRACTDIR>/help/web and then click index.html to start "Help for Kofax SignDoc Web".

Guides for Kofax SignDoc Web

From the directory <EXTRACTDIR>/print, you can access the following guides:

- *Kofax SignDoc Web Administrator's Guide*
KofaxSignDocWebAdministratorsGuide_EN.pdf
- *Kofax SignDoc Web Developer's Guide*
KofaxSignDocWebDevelopersGuide_EN.pdf

SignDoc Software Developer Kit documentation

According to the functionality and the programming language, the offline documentation .zip file contains documentation for the SignDoc Software Developer Kit.

To open and use the SignDoc Software Developer Kit documentation, follow these steps:

1. From the Kofax Fulfillment site, download KofaxSignDocDocumentation_2.2.1_EN.zip.
2. Extract the contents of the .zip file to any directory <EXTRACTDIR>.
3. Navigate to <EXTRACTDIR>/help or <EXTRACTDIR>/print to access the SignDoc Software Developer Kit documentation.

Chapter 2

New features

This chapter lists enhancements introduced in this product release.

SignDoc Standard

Single Sign-On authentication for SignDoc users via SAML 2.0

SignDoc Standard 2.2.1 is extended for SAML enabled Single Sign-On (SSO) infrastructures to authenticate SignDoc users. Once the Single Sign-On is set up, a SignDoc user can log in to SignDoc Standard through the configured identity provider or service provider. It is also possible to initiate the login from SignDoc Standard.

SignDoc Standard 2.2.1 introduces the following new configuration settings.

Single Sign-On authentication module URL

Use the setting `cirrus.sso.auth.module.url` to configure the URL of the Single Sign-on authentication module using the GUI.

Create new users

Use the setting `cirrus.sso.create.user` to configure whether a new user is created in SignDoc Standard when logged in via Single Sign-On.

Default account id

Use the setting `cirrus.sso.create.user.account` to configure a default account to allow the creation of a user when the identity provider does not provide account information for an authenticated user.

Sanitize external user id

Use the setting `cirrus.sso.sanitize.userid` to check external user ids on allowed characters for automatically created Single Sign-On users.

Automatic login with Single Sign-On

Use the setting `cirrus.sso.autologin` to authenticate the user automatically by querying the configured Single Sign-On authentication module when the context URL is opened in the browser.

PEM certificate format

A new dialog box is available to support selection of certificates in PEM format. Uploaded certificates are rejected if something is wrong with the certificate configuration.

Inline HTML editor

Support is added for handling HTML body text in email notifications. Syntax highlighting is also supported by this text editor. Changed content can be verified immediately using the new preview option.

Tablet screen support

A new feature supports the ability to define the tablet screen of external signature capture devices. Text displayed on the tablet screen can be localized for multiple languages using the configuration setting `cirrus.document.signing.tablet.screen`.

Configurable online help URLs

Customers can customize the context of the online help. The URL for each online help can be configured for multiple languages using the related configuration setting for the Signing Client (`client.signing.general.onlinehelp.url`), Manage Client (`client.manage.general.onlinehelp.url`), and Administration Center (`client.admin.general.onlinehelp.url`).

The visibility of the online help link in the product interface can also be defined using the configuration setting for Signing Client (`client.signing.general.onlinehelp.visible`), Manage Client (`client.manage.general.onlinehelp.visible`), and Administration Center (`client.admin.general.onlinehelp.visible`).

Set default for signing package expiration

An account administrator can define the default number of days after a signing package expires. The new configuration setting is `client.manage.package.expiration`.

Skip landing page

Use the new configuration setting `client.general.skip.landing` to make the login page appear automatically.

Plugin interface SigningEvent - Delegate signing

The SigningEvent plugin interface enables customers to use external services for signing a signature field or controlling the complete appearance of a signature field.

SignDoc Standard 2.2.1 is delivered with a default SigningEvent plugin (`SignDocDefaultSignerHandler`) for signing PDF digital signature fields using the account-specific certificates. The signing action can now be delegated to external services.

The id of the plugin that handles the `SigningEvent` event must be configured in the new configuration setting `plugin.event.impl.signingevent`.

SignDoc SDK

Note Even though Java classes are referenced within this section, the information also applies (as appropriate) to the C, C++ and .NET Framework libraries.

Headless SignWare functionality reimplemented in SignDoc SDK core

SignDoc SDK core supports headless SignWare functionality. The SignWare classes have been reimplemented in SignDoc SDK core. The SDK version is increased to 5.0 to reflect the integration of the SignWare functionality.

SignDoc SDK core .NET API with and without exception

SignDoc SDK core provides two variants of the .NET API: one using exceptions for reporting errors, and the other using return codes for reporting exceptions.

Destroy the underlying native object

All classes using native objects implement `java.lang.AutoCloseable`.

Bounding box support

SignDoc SDK class `SignDocFindTextOccurrence()` contains information about all glyphs making up the found text rather than information about only the first and the last glyph.

Individual text search

SignDoc SDK supports the implementation of customer-specific text search in PDF documents when using `SignDocDocument.createTextIterator()`.

Named parameters of SignDocRenderParameters class

`SignDocRenderParameters` has named parameters. The old functions have been removed.

Extended SignDocSignature class

Getting the signing method is supported via `getMethod()`.

Extended SignDocDocumentLoader class

The `SignDocDocumentLoader` class is extended by methods (`SignDocDocumentLoader.ping()`) to check if a document is supported by a defined handler and to load a font configuration from a blob (`SignDocDocumentLoader.loadFontConfigBlob()`)

and to load a font configuration for rendering PDF documents from a blob (`SignDocDocumentLoader.loadPdfFontConfigBlob()`). Loading of trusted root CA certificates from a blob is added via `SignDocDocumentLoader.loadTrustedCertificatesFromMemory()`.

Extended SignDocSignatureParameters class

The integer parameter "Optimize" can be set to `SignDocSignatureParameters.o_optimize` without setting the string parameter "OutputPath". A new value, `SignDocSignatureParameters.o_if_possible`, is the default value for integer parameter "Optimize".

Use `getType()` to get the parameter type.

Extended SignDocDocument class

SignDoc SDK adds text in logical order and uses `ActualText` where necessary. Flags `ftf_ignore_hspace` and `ftf_ignore_hyphenation` for `SignDocDocument.findText()` are implemented and `ActualText` is used.

Functionality to copy the document's current status, backing file or backing blob to a blob (`copyToMemory()`) and to copy the document to a blob for viewing the document "as signed" (`copyAsSignedToMemory()`) is added. Saving the document to a blob (`saveToMemory()`) is also supported.

The export of all fields (`exportFieldsToMemory()`) or properties (`exportPropertiesToMemory()`) as XML to a blob is available.

SignDoc SDK supports functionality to convert a rectangle expressed in canvas (image) coordinates to a rectangle expressed in a document coordinate system (`convImageRectToPageRect()`) or vice versa (`convPageRectToImageRect()`).

Furthermore, you can render a selected page as a `SignDocImage` object (`renderPageAsSignDocImage()`).

SignAlyze

SignAlyze as a 64-bit application

SignAlyze is now a 64-bit application based on SignDoc SDK 5.0.

Chapter 3

Changes in behavior

This chapter describes changes in the product behavior since the previous release.

SignDoc Standard

PKCS#12 certificate upload

The upload of PKCS#12 certificates is handled via the new selection dialog box for certificates. The validity and usability of the certificate is verified when uploaded.

Assign plugin implementations using the GUI

You can configure the id of the plugin that handles the `SignerSearchEvent` event in the configuration setting `plugin.event.impl.signersearchevent`.

Document title and description in Signing Client

The document title and description are visible when you select a new menu item.

Login change account

The user can change the account in login view by clicking "Change account" when the Manage Client is set in a specific account context.

SignDoc SDK

Note Even though Java classes are referenced within this section, the information also applies (as appropriate) to the C, C++ and .NET Framework libraries.

Discontinued component

The SignDoc SDK is no longer available with a 32-bit iOS.

Document coordinates for PDF documents

Document coordinates for PDF documents always use 72 units per inch. The function `SIGNDOC_Document_getConversionFactors()` is no longer needed.

Usage of 32-bit integer type

`SignDocDocument.getIntegerProperty()` and `SignDocDocument.setIntegerProperty()` use a 32-bit integer type for the value of the property on all operating systems.

Strings rather than integers for identifying algorithm or signature scheme

`SIGNDOC_SignPKCS7_sign()`, `SIGNDOC_SignRSA_sign()`, and `SIGNDOC_SignECDSA_sign()` use strings rather than integers for identifying the hash algorithm.

`SIGNDOC_SignRSA_sign()` uses a string rather than an integer for identifying the signature scheme. The salt length is passed as a separate parameter.

Replace returning an error with throwing exceptions

Some functions throw exceptions (`SignDocUnknownParameterException` and `SignDocInvalidValueException`) for reporting errors rather than returning an error.

Get the size of the rendered page in pixels

`SignDocDocument.getRenderedSize()` returns the size of the rendered page in pixels without actually rendering the page.

Replaced parameters

Integer parameters "CertificateSigningAlgorithm", "DetachedHashAlgorithm", "RSASignatureScheme", and "TimeStampHashAlgorithm" of `SignDocSignatureParameters` class are replaced with string parameters of the same names.

The following string parameters use strings for identifying a text item:

```
SignDocSignatureParameters.addItem()
```

```
SignDocSignatureParameters.addItem2()
```

```
SignDocSignatureParameters.setTextItemDirection()
```

Replaced flags and constants

Following flag is replaced:

- `SignDocDocument.f_prevent_breaking_tagged_pdf` with `SignDocDocument.siff_allow_breaking_tagged_pdf`

Renamed functions and constants

The following SignDocDocument class functions are renamed:

- `addImageFromBlob` **renamed to** `addImageFromMemory`
- `addImageFromBlob2` **renamed to** `addImageFromMemory2`

Class `SignDocFindTextPosition ()` is renamed to `SignDocFindTextOccurrence ()`.

Changes in return codes

All classes share the same return code constants (names and values). The class name is removed from the return code constant names.

The functions of the `SignDoc*Parameters` classes no longer return `rc_not_supported`, and `rc_unknown` is replaced by `rc_unknown_parameter`.

The return value of `SignDocDocument.getBitsPerPixel ()` is changed from `double` to `int`.

Functionality removed, deprecated or discontinued

The following functions are discontinued:

- `SignDocDocument.getConversionFactorX ()`
- `SignDocDocument.getConversionFactorY ()`

The following functions or classes are removed:

- `SignDocDocumentLoader.getInstallationCode ()`
- `SignDocDocumentLoader.initLicenseManager ()`
- `SignDocParameterNotSetException ()`
- `SignDocRenderParameters.setPage ()`
- `SignDocRenderParameters.setPages ()`
- `SignDocRenderParameters.setResolution ()`
- `SignDocRenderParameters.setZoom ()`
- `SignDocRenderParameters.fitRect ()`
- `SignDocRenderParameters.fitHeight ()`
- `SignDocRenderParameters.fitWidth ()`
- `SignDocRenderParameters.setFormat ()`
- `SignDocRenderParameters.setInterlacing ()`
- `SignDocRenderParameters.setQuality ()`
- `SignDocRenderParameters.setPixelFormat ()`
- `SignDocRenderParameters.setCompression ()`
- `SignDocRenderParameters.setDecorations ()`
- `SignDocRenderParameters.setDecorationState ()`
- `SignDocRenderParameters.setPrint ()`

- `SignDocRenderParameters.setModificationState()`
- `SignDocSignatureParameters.getState()`

C++ API

The SignDoc SDK C++ API requires C++11 or later.

The `SIGNDOC_PTR` macro is ignored, and SignDoc SDK always uses `std::unique_ptr`.

The `ReturnCode` enum is removed from classes such as `SignDocDocument`, and enum class `ReturnCode` is added to namespace `de::softpro::doc`.

C API

All classes share the same return code constants (names and values), and the class name has been removed from the return code constant names. For instance, `SIGNDOC_DOCUMENT_RETURNCODE_OK` is renamed `SIGNDOC_RETURNCODE_OK`.

.NET API

`SPSignDoc_5.0_DotNetEx.dll` is renamed to `SPSignDoc_5.0_DotNetNoEx.dll`.

Namespace `de.softpro.signdocsdk` is renamed `de.softpro.doc`.

SignAlyze

SignAlyze 32-bit version

The SignAlyze 32-bit version is discontinued.

Chapter 4

Resolved issues

This chapter lists issues that are resolved in SignDoc 2.2.1. Each Kofax SignDoc product release is cumulative and includes the resolved issues from earlier releases.

SignDoc Standard

Incorrect Expiration information in Account License dialog box

1330468: Although a KofaxSignDoc.key license was expired, the Account License dialog box indicated that it had no expiration date.

Sorting of signing packages

1289968: When an invalid account was used on the Manage Accounts page, the sorting by number of packages was incorrect.

Inaccurate error messages for unusable signing certificates

1281814: When an expired signing certificate was uploaded, the error message was not accurate.

Missing message for "cirrus.constraints.reminder.days.size"

1280891: A message was missing for the key "cirrus.constraints.reminder.days.size" in `PUT /rest/v7/packages/{packageid}/reminders/{reminderid}`.

English text appeared if language was set to Brazilian Portuguese

1272113: In some cases, the consent text displayed in English even though the language was set to Brazilian Portuguese.

A question mark appeared in the decline email of a recipient

1258709: When a recipient declined a signing package, a question mark appeared at the end of the email notification sent to the package owner.

Guide marker displaced on iPad

894741: On an iPad, the guide marker for some text fields in the signing package appeared in the wrong position.

Issue with navigating to the 1st required text field on iOS devices

884541: On iOS devices, the guide marker for the first required text field for signing packages appeared in the wrong position.

Inconsistent position of next required field

757027: On Samsung Galaxy devices, the position of required fields was inconsistent in signing packages.

SignDoc Web

Toolbar disappears on Android device

1315795: On Android 8 and 9 devices, the web toolbar in SignDoc Mobile disappeared while scrolling a document.

Faulty signature archive plugin mechanism in SignDoc Mobile

1307784: When a signature archive plugin returned NO_MATCH for a signature after capturing a photo, the client became unresponsive.

Missing scrollbars in ActiveX (IE) signature capture dialog

1293617: When integrating SignDoc Web via iFrame and using ActiveX for capturing in Internet Explorer, the signature capture dialog box could not be scrolled because the iFrame was too small.

SignDoc SDK

Incorrect guide version

1286894: SignDociOSFoundationsDevelopersGuide_EN.pdf displayed the wrong documentation version.

Chapter 5

Known issues

This chapter contains information about potential issues that you may encounter while using Kofax SignDoc 2.2.1 and provides workarounds, as applicable.

SignDoc Standard

Tablet screen localization

SignDoc does not support Asian style languages for the localization of the tablet screen.

iOS Consent text files contain corrupted characters

1272913: When downloading the consent text files on an iOS device, the text may include non-readable characters.

Workaround: Resume the signing ceremony later and open the email notification to sign a document on a desktop computer. Download the consent text when the consent page is displayed.

Guided form filling pointer doesn't move to the next required field

1267512: After returning back to a completed, required text field, the guided form filling pointer does not move to the next required field.

Workaround: Recipient can move to the next form field by scrolling the document or selecting the form field on the sidebar.

Error messages not translated

1267606: Some messages displayed in Manage Client are only displayed in English or as error Id.

Reset Password email doesn't contain login info

1267473: The confirmation email after the reset of a password does not contain information about the account.

Document editor - layout breaks on iPad after rotation

1225638: After iPad rotation, the signing package layout breaks in the document editor and it is restored later.

Workaround: Prevent rotating the screen during signing package creation on an iOS device.

Recipients' color scheme in common session is not correct

1167914: Sometimes the color scheme for recipients is inconsistent within the same signing session.

SignDoc Web

Printed document contains extra blank page

1090900: When a one-page document is printed, it produces an extra blank page.

WebSphere 9 not supported

SignDoc Web 2.2.x does not support WebSphere 9.

Workaround: Install the Windows service as provided or create a docker container for deployment on Linux as described in the *SignDoc Web Administrator's Guide*.

SignDoc Web Request Builder with Internet Explorer

The SignDoc Web Request Builder is not supported for Internet Explorer 11.

Workaround: Use Edge or Chrome.