

Kofax SignDoc

Release Notes

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KOFAX

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Table of Contents

Chapter 1: About this release	6
Version information.....	6
System requirements.....	6
Product documentation.....	6
Chapter 2: New features	8
SignDoc Standard.....	8
Enable use of signing method "Sign with Image".....	8
Drop down menu of languages in Signing Client.....	8
Preferred language for recipients.....	8
Define default language for communication.....	8
List of configurable languages.....	8
Supplemental document type with language specific name and description.....	9
Email notifications - define language specific content.....	9
Support EU GDPR (General Data Protection Regulation) statement.....	9
Extend support for e-sign consent text.....	9
Add me button.....	9
Information icon for signing status of recipients.....	9
Signing Client configuration.....	10
Configuration settings.....	10
SignDoc REST API v7.....	10
SignDoc SDK - SD SDK.....	11
Provide PDF/UA support in SD SDK.....	11
RSA-PSS signature scheme.....	12
Define digest-encryption algorithm.....	12
Support images with alternate descriptions.....	12
Adding text with language identifier.....	12
Natural language of PDF document.....	12
Escape sequences.....	12
Chapter 3: Changes in behavior	14
SignDoc Standard.....	14
Signing certificate.....	14
Biometric encryption key.....	14
Extended user role ADMIN.....	14
Consent navigation - wizard step.....	14

E-sign consent configuration.....	14
Default mail subject and mail message.....	15
ISO 8601 format mail placeholder \$NOW.....	15
Dealing with signature fields, text fields and checkboxes uses RestWidgets.....	15
Features scheduled to be deprecated or removed.....	15
SignDoc Web.....	16
Request Builder test page.....	16
SignDoc SDK - SD SDK.....	16
Insert new objects into logical structure.....	16
Extended key usage of intermediate certificates.....	16
SignDoc SDK - iOS Foundations.....	16
Bluetooth dialog should not appear.....	16
Chapter 4: Resolved issues.....	17
SignDoc Standard.....	17
Send invitation without assigned user role.....	17
It is possible to update (PUT) package state from COMPLETE to DRAFT.....	17
Common signing session requires one confirmed authentication.....	17
Gray print preview page of e-sign consent on iPad.....	17
SignDoc Web.....	17
Temporary files using IE.....	17
Page is not loaded using Edge version 42.....	17
Chapter 5: Known issues.....	18
SignDoc Standard.....	18
Inaccurate error messages for unusable signing certificates.....	18
Artifact in Create Package UI when deleting supplemental documents.....	18
iOS - "Downloaded" version of consent text files contain corrupted characters.....	18
English consent texts shown up when language drop-down is set to Portuguese (Brazil)....	18
Add member button.....	19
Account deactivated page in Administration Center with expired license.....	19
Guided form filling pointer doesn't move to the next required field.....	19
Soft error messages are not translated.....	19
Reset Password email doesn't contain login info.....	19
A question mark is shown up in the decline email of a recipient.....	19
Document editor - layout breaks on iPad after rotation.....	19
Recipients color scheme in common session is not correct.....	19
SignDoc Web.....	20
Printing is wrong in number of pages.....	20
SignDoc Device Support Setup.....	20

Close function does not work in IE.....	20
SignDoc Mobile for Android.....	20
Flashing toolbar icons allow users to add signature fields.....	20
Chapter 6: Additional documentation.....	21
SignDoc Standard and SignDoc Web installation uses OpenJDK.....	21
Signing Client tutorial.....	21
SignDoc Standard using ExportConnector and KTA.....	21

Chapter 1

About this release

The release notes give you information about Kofax SignDoc 2.2. 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 is 2.2.0.0.0.21. The Kofax SignDoc 2.2.0 product family consists of the following sub-components:

Component	Build number information and additional notes
SignDoc Standard 2.2.0	Build number is displayed in the footer of clients.
SignDoc Web 2.2.0	Build number is displayed in the about page.
SignDoc SDK 4.3.1	Individual component build number is displayed in the readme file. Overall product build number is listed in the shipment readme.
SignAlyze 1.8.0	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 their 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* 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.

The product documentation for SignDoc 2.2 is available online:

https://docshield.kofax.com/Portal/Products/en_US/SD/2.2.0-aq3yp7tk0j/SD.htm

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

Chapter 2

New features

This section lists enhancements introduced in this product release.

SignDoc Standard

Enable use of signing method "Sign with Image"

SignDoc 2.2 is extended with a signing method allowing a recipient of a signing package to sign with a signature image. Signing a document will be handled in the same way as when signing with handwritten signatures, with click-to-sign, or photo capture.

Drop down menu of languages in Signing Client

Recipients of signing packages can now select their preferred language in the Signing Client using a drop down menu.

Preferred language for recipients

SignDoc 2.2 is extended with a new setting to define the preferred language to be used for communication with a recipient. If the signer attribute is set, it is used to send email notifications in the preferred language as well as for displaying text in the Signing Client. The new preferred language attribute must be an IETF BCP 47 language tag string, defined in RFC 5646 "Tags for Identifying Languages".

Define default language for communication

The new setting `cirrus.communication.locale` defines the language in which a SignDoc user will be notified. The setting is also used for email notifications if no preferred language for a recipient of a signing package is specified.

List of configurable languages

The new setting `cirrus.config.locales` defines the languages supported by the application. The default list (en, de, fr, nl, it, es, pt-BR, ja) can either be reduced to the desired languages or extended to include other languages.

Supplemental document type with language specific name and description

The name and description of supplemental documents can now be localized for the languages that are in the list of configurable languages (see "List of configurable languages").

Email notifications - define language specific content

SignDoc Standard 2.2 is extended to handle email content in different languages. Available languages are defined by the list of configurable languages. Note that recipients within the same package can use different languages.

Support EU GDPR (General Data Protection Regulation) statement

SignDoc Standard added support for displaying the GDPR statement to the recipient within the Signing Client. If configured, this occurs after the authentication step. If the consent step is configured, the recipient must confirm the GDPR text before continuing with either document signing or reviewing. Configuration of the GDPR statement to be displayed to the recipient is done in the Manage Client.

The GDPR statement is account specific (`client.signing.gdpr.text`) and can be predefined in multiple languages. In addition to the GDPR text an account-specific external URL (`client.signing.gdpr.url`) can be configured that will be presented to the user.

Extend support for e-sign consent text

SignDoc Standard has added support for configuring whether or not the e-sign consent text is displayed to a recipient for confirmation or not. Additionally, the e-sign consent text (`client.signing.esign.consent.text`) can now be predefined in multiple languages. Configuration is done in the Manage Client. In addition to the e-sign consent text, a link (`client.signing.esign.consent.url`) to the e-sign consent text can now also be provided that will be presented to the recipient in the Signing Client.

Add me button

SignDoc 2.2 adds a feature that allows the creator of a package to add themselves as a recipient in one simple step by clicking an "Add me" button. When selecting the button, the package creator's name and email address are immediately added in the corresponding recipient fields.

Information icon for signing status of recipients

When a signing package is sent out for signing, the overview page for packages now displays a small information icon. When selecting this icon, the SignDoc user will be presented with information about which of the recipients have not completed their open tasks.

Signing Client configuration

With SignDoc 2.2 it is possible to configure the pages of the Signing Client that are to be presented to the recipients of signing packages. The following Signing Client parts can now be configured whether or not it is visible:

- Show decline action via `client.signing.view.general.decline.visible`
- Show footer via `client.signing.view.general.footer.visible`
- Show header via `client.signing.view.general.header.visible`
- Show instructions via `client.signing.view.general.instructions.visible`
- Show wizard-steps via `client.signing.view.general.wizardsteps.visible`
- Show "In-person Signing" view via `client.signing.view.inperson.visible`
- Show download in "Review & Sign" view via `client.signing.view.reviewsign.download.visible`
- Show progress in "Review & Sign" view via `client.signing.view.reviewsign.progress.visible`
- Show "Resume Later" action in "Review & Sign" view via `client.signing.view.reviewsign.resume_later.visible`
- Show "Review & Sign" view via `client.signing.view.reviewsign.visible`
- Show "Welcome" view via `client.signing.view.welcome.visible`

Configuration settings

External finish URL for remote signers

SignDoc 2.2 now supports to redirect recipients who are signing remotely, and have completed the signing process, to a specific customer URL. The new configuration setting is `client.signing.view.finish.url`.

Customer specific cover sheet for final document

SignDoc Standard 2.2 now supports the upload of a customer specific cover sheet for the final document. The new configuration setting is `cirrus.document.signing.final-package.cover-document`.

Fonts for click-to-sign signatures

SignDoc Standard 2.2 now supports the use of a customer specific font that will be used to render the text data in a click-to-sign signature. The new configuration setting is `cirrus.document.signing.c2s.font.text`. For rendering the signer name a "script font" can be defined via the setting `cirrus.document.signing.c2s.font.script`.

Extended list of HTML tags in email messages

As of SignDoc Standard 2.2 the HTML tags "hr" and "img" with the attributes "src", "http", "https", "data" are supported.

SignDoc REST API v7

SignDoc Standard 2.2 supports the SignDoc REST API version 7.

Find text in a single document

A new call to find text occurrences in a document is available with SignDoc REST API version 7.

- Find text occurrences in a document: GET `/rest/v7/packages/{packageid}/documents/{documentid}/text`

Add signature field at search text position into a document

SignDoc REST API version 7 extends "Add signature field in document" with the new parameter `searchtext`. If the parameter `searchtext` is used, the signature field can be placed dynamically depending on the document's content i.e. the location of the `searchtext` in the document.

- Add signature field in document POST: `/rest/v7/packages/{packageid}/documents/{documentid}/signaturefield`

Extension of signer information structures

SignDoc REST API version 7 is extended to return the `RestSignerListEntry` structure in the following requests:

- Get a list of packages: GET `/rest/v7/packages`
- Get a single signing package: GET `/rest/v7/packages/{packageid}`
- Signer search: GET `/rest/v7/signers`

The list entry structure contains a subset of signer specific attributes. It has been extended with the new attributes `esignConsentRequired` and `gdprConsentRequired`.

SignDoc SDK - SD SDK

Provide PDF/UA support in SD SDK

Tagged PDF documents (e.g. PDF/UA compliant documents) are now supported by SignDoc. The logical structure of those documents remains intact when adding interactive fields (e.g. signature fields).

`de::softpro::doc::SignDocDocument::isTaggedPDF()` can be used to find out if the document is a tagged PDF document.

There are new flags for `de::softpro::doc::SignDocDocument::setFlags()`,

- `f_require_alternate_field_name` which prohibits adding fields without alternate name and removing the alternate name from existing fields. If this flag is not set and the document claims PDF/UA conformance, a default value will be provided for the alternate name.
- `f_require_lang` which requires a language identifier to be passed for text added to PDF/UA documents that do not define a default language. If this flag is not set and the document claims PDF/UA conformance and does not provide a natural language, the language identifier `en` or the language set with `setDefaultDocumentLanguage()` is used.

RSA-PSS signature scheme

The RSA-PSS signature scheme can now be used for PKCS #7 signatures with RSA keys. The integer parameter `RSASignatureScheme.v_2_0` of `de::softpro::doc::SignRSA` has been renamed `v_2_0_salt0`, `v_2_0_salt32` has been added.

Define digest-encryption algorithm

`de::softpro::doc::SignDocVerificationResult::getSignatureBlob()` supports an additional parameter `DigestEncryptionAlgorithm` to identify a digest-encryption algorithm. The element of the PKCS#7 signature is DER encoded.

`de::softpro::doc::SignDocVerificationResult::getSignatureString()` supports an additional parameter `DigestEncryptionAlgorithmOID`. This is the OID of the digest-encryption algorithm element of the PKCS #7 signature. For instance, the OID is "1.2.840.113549.1.1.10" for RSASSA-PSS.

Support images with alternate descriptions

There are new functions for adding images with alternate descriptions to PDF documents:

- `de::softpro::doc::SignDocDocument::addImageFromBlob2()`,
- `de::softpro::doc::SignDocDocument::addImageFromFile2()`,
- `de::softpro::doc::SignDocDocument::importPageFromImageBlob2()`, and
- `de::softpro::doc::SignDocDocument::importPageFromImageFile2()`.

Adding text with language identifier

There are new functions for adding text with language identifier to PDF documents:

- `de::softpro::doc::SignDocDocument::addText2()`
- `de::softpro::doc::SignDocDocument::addTextRect2()`.

Natural language of PDF document

The natural language of a PDF document can be

- obtained by calling `de::softpro::doc::SignDocDocument::getDocumentLanguage()`
- set by calling `de::softpro::doc::SignDocDocument::setDocumentLanguage()`.

Escape sequences

SD SDK now supports escape sequences in PDF text strings.

There are new flags for `de::softpro::doc::SignDocDocument::setFlags()`

- `f_keep_escape_sequences` which causes escape sequences which select the natural language in text strings to be kept in strings rather than being removed.
- `withoutEscapeSequences()` for removing the escape sequences before showing a text string to a user.

- `splitEscapeSequences()` to split a text string into escape sequences and text segments. If you serialize and deserialize a `SignDocField` object and that flag is not set, the escape sequences will get lost.
- `f_use_escape_sequences` causes escape sequences to be used for encoding the language in the alternate name of fields. This allows having alternate names with different languages in a single document

The new function `de::softpro::doc::SignDocDocument::withEscapeSequence()` prepends an escape sequence selecting the natural language to a string.

Chapter 3

Changes in behavior

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

SignDoc Standard

Signing certificate

As of SignDoc Standard 2.2, an ad-hoc certificate is created for each signing if no customer certificate is present. In doing so, SignDoc supports the use of certificates issued by a trusted certification authority to promote secure Internet behavior, thereby protecting brand reputation and customer trust.

When uploading the signing certificate SignDoc validates password, expiry date, certification chain and the key usage extension digital signature.

Biometric encryption key

As of SignDoc Standard 2.2, no biometric public key is distributed with the installation to ensure that key generation is in the hands of the customer. Biometric data is not stored in the PDF document if no biometric key is uploaded to the system.

Extended user role ADMIN

In Administration Center of SignDoc Standard 2.1 it was possible to maintain account users with role ADMIN only by clicking 'Account Administrators' in the overview page. As of version 2.2 this functionality was extended. It's now possible to maintain all account users by clicking 'Manage users' in the overview page.

Consent navigation - wizard step

The breadcrumb path to the Consent page will not be shown after the recipient has agreed to the consent form.

E-sign consent configuration

The account attribute `esignConsent` has been removed and the value has been moved to the account specific configuration setting `client.signing.esign.consent.text`, which can be found under configuration category "settings > client > signing".

As a consequence the `esignConsent` attribute is no longer returned in the `RestAccountOutput` structure and in the `RestSigningPackageOutput` structure of SignDoc REST API v7. The attribute remains in previous REST API versions.

The account-specific value overrides the system setting, but the account setting can also be overwritten by a signer-specific setting. This signer-specific setting can be set as a recipient property during package preparation either in the SignDoc Manage Client, or via REST interface.

Default mail subject and mail message

As of SignDoc Standard 2.2 the default texts which are displayed in 'Email subject' and 'Email message' are now part of the account administration. As of SignDoc REST API v7 the default settings for 'Email subject' and 'Email message' are taken from the account specific configuration settings `mail.message.signing.subject.default` and `mail.message.signing.text.default` instead from the user preferences.

The attributes `defaultMailSubject` and `defaultMailMessage` of the user preferences are no longer supported in SignDoc REST API v7. The attributes can be set and retrieved in older REST APIs for compatibility reasons but without impact to the default values of 'Email subject' and 'Email message'.

ISO 8601 format mail placeholder \$NOW

The value for the email placeholder `$NOW` has been changed from American format "MM/dd/yyyy HH:mm XXX" to ISO 8601 format "yyyy-mm-ddThh:mm:ss.nnnnnn+|-hh:mm", e.g. '2011-12-03T10:15:30+01:00'.

Dealing with signature fields, text fields and checkboxes uses RestWidgets

When dealing with signature fields, text fields and checkboxes the input data structure must contain one `RestWidget` with position attributes in the widgets list. Adding signature fields at search text position does not require an empty widget.

Features scheduled to be deprecated or removed

The following features or requirements are deprecated or removed in Kofax SignDoc 2.2

SignDoc Standard REST API v2

SignDoc Standard REST API v2 is discontinued with the exception for

- Get current user: `GET /rest/V2/accounts/user`
- Get all packages: `GET /rest/V2/packages`
- Get a single signing package: `GET /rest/V2/packages/{packageid}`
- Create a new signing package: `POST /rest/V2/packages`

All removed resources will return SC 404 - as with any non-existing resource.

SignDoc Standard REST API v3

SignDoc Standard REST API v3 is discontinued with the exception for

- All document to package: `POST /rest/v3/packages/{packageid}/document`

- Create a new signing package: `POST /rest/v3/packages`
- Schedule a signing package: `POST /rest/v3/packages/{packageid}/scheduler`
- Delete a signing package: `DELETE /rest/v3/packages/{packageid}/`

All removed resources will return SC 404 - as with any non-existing resource.

SignDoc Standard REST API v4

SignDoc Standard REST API v4 is discontinued.

All removed resources will return SC 404 - as with any non-existing resource.

SignDoc Standard REST API XML input/output

For all versions SignDoc Standard REST API XML input / output is deprecated.

SignDoc Web

[Request Builder test page](#)

With SignDoc 2.2 the design of SignDoc Web test page has been changed.

SignDoc SDK - SD SDK

[Insert new objects into logical structure](#)

SignDocSDK will now insert new objects into the logical structure even if the `de::softpro::doc::SignDocDocument::setFlags()` flag `de::softpro::doc::SignDocDocument::f_prevent_breaking_tagged_pdf` is not set.

[Extended key usage of intermediate certificates](#)

SignDoc SDK no longer checks Extended Key Usage extensions of intermediate certificates.

SignDoc SDK - iOS Foundations

[Bluetooth dialog should not appear](#)

SignDoc SDK will not request to confirm a dialog when device discovery is performed while Bluetooth is not yet turned on.

Chapter 4

Resolved issues

This section lists issues that are resolved in SignDoc 2.2.0. Each Kofax SignDoc product release is cumulative and includes the resolved issues from earlier releases.

SignDoc Standard

Send invitation without assigned user role

When adding a new user, an invitation can be sent even though no role is selected. (1122069)

It is possible to update (PUT) package state from COMPLETE to DRAFT

It is possible to update (put) a package state from complete status to draft status via REST. (971493)

Common signing session requires one confirmed authentication

A common signing session needs at least one confirmed authentication method in the manual signer authentication information for a signer or reviewer. (970494)

Gray print preview page of e-sign consent on iPad

Sometimes print preview page is gray on iPad. (885710)

SignDoc Web

Temporary files using IE

Information entered into the form is being cached by IE to the local Internet Explorer temporary files folder. (1273115)

Page is not loaded using Edge version 42

When opening a document in sdweb gwt-client mobile view using Edge version 42 the browser displays blank page with error: This page is having a problem loading. (1184052)

Chapter 5

Known issues

This section contains information about potential issues that you may encounter while using Kofax SignDoc 2.2 and provides workarounds, as applicable.

SignDoc Standard

Inaccurate error messages for unusable signing certificates

When an expired signing certificate will be uploaded the occurred error message shows a wrong reason. (1281814)

Artifact in Create Package UI when deleting supplemental documents

When creating a signing package and deleting a supplemental document using the Chrome browser with zoom 80%, some UI elements are not displayed correctly. (1273259)

Workaround: Refresh the web site or use zoom factor 100%.

iOS - "Downloaded" version of consent text files contain corrupted characters

When downloading the consent text files on an iOS device, the text might include non-readable characters. (1272913)

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

English consent texts shown up when language drop-down is set to Portuguese (Brazil)

The consent text will not be displayed in Portuguese-Brazil when the user selects the Signing Client drop down if another language is selected first and afterwards the Portuguese-Brazil language is selected. (1272113)

Workaround: Consent text will be displayed in Portuguese-Brazil immediately when it is set as the preferred language for the recipient or if the default communication language is defined as pt-BR.

Add member button

When selecting the "Add member" button for a team in the Manage Client shows a message "Error user already team member" will be displayed if no user is chosen. (1270436)

Workaround: Select a user first.

Account deactivated page in Administration Center with expired license

When a license has expired, and the administrator accesses the "Manage user" page, the message "account deactivated" is displayed and it will not be possible to return to the Administration Center. (1270753)

Workaround: Apply a valid license before accessing "Manage user".

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

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

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

Soft error messages are not translated

Some messages displayed in Manage Client are only displayed in English or as error Id. (1267606, 1267808)

Reset Password email doesn't contain login info

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

A question mark is shown up in the decline email of a recipient

The email notification shows a "?" at the end of the decline reason. (1258709)

Document editor - layout breaks on iPad after rotation

The layout brakes in document editor after iPad rotation. It is restored sometimes later. (1225638)

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

Recipients color scheme in common session is not correct

Sometimes the colors for recipients are different between document preparation, on start In-Person signing page and Welcome page. (1167914)

SignDoc Web

Printing is wrong in number of pages

One page document is printed in two pages leaving the first page empty. (1090900)

SignDoc Device Support Setup

Close function does not work in IE

The device connector close function causes Internet Explorer to crash while the signature dialog is on the screen. (1077362)

Workaround: Use Chrome or FireFox when capturing handwritten signature via external signature capture device.

SignDoc Mobile for Android

Flashing toolbar icons allow users to add signature fields

When the document is being loaded - the toolbar icons are flashing. They are switching from enabled to disabled. (896305)

Workaround: Disable the native toolbar by configuring the `element_id` of `TA_AddCaptureField=false` in `mobile_configuration.xml`.

Chapter 6

Additional documentation

SignDoc Standard and SignDoc Web installation uses OpenJDK

The automatic installation for SignDoc Standard and SignDoc Web is delivered based on OpenJDK. Furthermore, it can be manually installed. During manual installation, it can specify which Java platform to use.

Signing Client tutorial

The SignDoc Standard Signing Client tutorial is now available as an online help.

SignDoc Standard using ExportConnector and KTA

Documents signed with SignDoc Standard can be sent to CMIS compliant repositories using Kofax TotalAgility and Kofax ExportConnector.