

Kofax SignDoc

Technical Specifications

Version: 2.2.1

Date: 2019-11-18

KOFAX

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About Kofax SignDoc technical specifications

Kofax SignDoc is an enterprise level e-signature product family, which may either be utilized as part of an integration, or as a standalone application. Due to its integration options, it provides a starting point for any digital transformation initiative, and provides a broad range of e-signing capabilities. Kofax SignDoc caters for all signing scenarios - in any location (in-branch, in-store, in-office, in-field, at home), assisted, or non-assisted as self-service.

The technical specifications in this document are specific to the following components of SignDoc 2.2:

- SignDoc Standard 2.2.1
- SignDoc Web 2.2.1
- SignDoc SDK 5.0
- SignAlyze 1.9.0
- SignDoc Device Support 2.0.1

A required amount of memory and disk space is provided. You must meet these requirements to support your SignDoc system. These requirements specifically list the needs of SignDoc and do not include any amount of memory or disk space you require for the operating system, environment, or other software that runs on the same machine.

Product requirements

SignDoc Servers

This section describes the software that runs on a server. It references requirements for SignDoc Standard server and SignDoc Web server. Requirements that only apply to one component are marked.

Specification	Description
Hardware	<p>A server class system is required to run SignDoc servers in an enterprise environment. The processing power of this physical server directly affects performance. As a minimum requirement, a quad core processor running at 2 GHz should be used.</p> <p>Memory: minimum 16 GB RAM, recommended 32 GB</p> <p>Disk space: minimum 100 GB, or more free hard disk space.</p>
Accessibility	<p>1 GB network minimum, configured at full duplex, is required for this server and the database server.</p> <p>If the system is installed behind a firewall, HTTP or HTTPS Ports should be open within firewalls that restrict client access across your WAN or LAN.</p> <p>Certain hardware is prone to networking issues when TCP offloading is enabled. If you experience frequent networking issues, or use a Virtual Machine (VM), disable TCP offloading. You must disable this setting at all levels, including the virtual machine's host operating system, virtual machine's operating system, and NIC; and all machines within the SignDoc servers system including the database server. Refer to your vendor's information for instructions on how to disable TCP offloading.</p>
Server Operating Systems	<p>We recommend that you upgrade to the latest operating system patch of the following supported operating system versions.</p> <p>Microsoft Windows</p> <ul style="list-style-type: none"> • Windows Server 64-bit 2012 <ul style="list-style-type: none"> • Microsoft Mainstream support ends Oct 9, 2018 • Windows Server 64-bit 2012 R2 <ul style="list-style-type: none"> • Microsoft Mainstream support end date: Oct 9, 2018 • Microsoft extended support end date: Jan 14, 2023 • Windows Server 64-bit 2016 <ul style="list-style-type: none"> • Tested version: Windows Server 64-bit 2016 Standard (1607) • Windows Server 64-bit 2019 <ul style="list-style-type: none"> • Tested version: Windows Server 64-bit 2019 Standard (1809) <p>Linux</p> <ul style="list-style-type: none"> • CentOS/RHEL greater or equal to version 6

Specification	Description
	<ul style="list-style-type: none"> • RHEL maintenance updates for CentOS 6 till November 30, 2020 • RHEL maintenance updates for CentOS 7 till June 30, 2024 • Ubuntu 18.04 LTS <ul style="list-style-type: none"> • Tested version • Canonical Ltd support until 2023-04 • Ubuntu 16.04 LTS <ul style="list-style-type: none"> • Canonical Ltd support until 2021-04
Web Servers/Web Application Servers	<p>SignDoc Standard</p> <p>SignDoc Standard is supported for the provided installation package that compromises a Windows Service or Docker containers.</p> <p>SignDoc Web</p> <p>It is generally recommended to install the SignDoc Web as Windows Service or run it as Docker container as described in the installation guide.</p> <p>SignDoc Web server can be run on any Java EE server compatible with Java EE servlet version 3.1 or newer, and still under support by its respective manufacturer.</p> <p>The support of SignDoc Web on Java EE application servers is limited to Tomcat, JBoss and WebSphere. Installation & deployment guide is available for Tomcat only. Please see the respective manufacturer's application server installation and deployment instructions for how to deploy Java EE .war files that use native code via JNI.</p> <p>Note also, SignDoc Web server uses a native layer that must be made accessible for the JNI classloader of SignDoc Web via your Java EE server. Refer to your Java EE server documentation for how to make native libraries accessible. Usually, it is sufficient to add the native libraries to the system path.</p> <p>Application Server</p> <ul style="list-style-type: none"> • Apache Tomcat 9.0.x (tested version: Apache Tomcat 9.0.27) • Apache Tomcat 8.5.x <p>Java runtime for application server</p> <ul style="list-style-type: none"> • Windows 64-bit: Java 11 • Linux 64-bit: Java 11 • Note: In case of manual installation, make sure that JCE with "unlimited strength" is available.
DBMS (only for SignDoc Standard to consider)	<p>Microsoft SQL Server</p> <ul style="list-style-type: none"> • 2012 <ul style="list-style-type: none"> • Requires latest SP and Microsoft extended support (end date: July 12, 2022) • 2014 (tested version: Microsoft SQL Server 2014 Express)

Specification	Description
	<ul style="list-style-type: none"> • 2016 • 2017 (tested version:Microsoft SQL Server 2017 Enterprise) <p>Note: For direct access to the database SQL Server Command Line Utilities or Management Studio have to be installed.</p> <p>H2 DB</p> <ul style="list-style-type: none"> • Supported for evaluation only
SMTP (only for SignDoc Standard to consider)	<p>Using the email functionality, an SMTP server must be installed and/or accessible. The required SMTP configuration is dependent on the network setup, etc. of each individual organization.</p> <p>Note: Kofax SignDoc does not need to receive emails</p>
Required 3rd Party Technologies	<ul style="list-style-type: none"> • Windows systems <ul style="list-style-type: none"> • Visual C++ 2017 Redistributable Package (x64) • Java Runtime Environment <ul style="list-style-type: none"> • Windows 64-bit: Java 11 • Linux 64-bit: Java 11
Compatible Software	<p>Kofax Total Agility (using SignDoc SignDoc Standard)</p> <ul style="list-style-type: none"> • 7.7, 7.6, 7.5 • 7.4 <p>Kofax Communication Manager (using SignDoc SignDoc Standard)</p> <ul style="list-style-type: none"> • 5.3, 5.2, 5.1 <p>Kofax FraudOne (only SignDoc Web)</p> <ul style="list-style-type: none"> • 4.3 or higher (via plugin version v3 of supported versions of SignDoc Web, see technical specification of Kofax FraudOne)
Languages supported	English
Virtual System	You can deploy SignDoc server components on virtual machines running on operating systems as specified above.

SignDoc Clients

This section describes what users need at client side in order to create and maintain accounts as well as to create and maintain signing packages in SignDoc Standard. It describes also what users need to sign or review documents using SignDoc Standard or SignDoc Web.

Requirements that apply to all client of a web application are summarized in the general requirements section. Particular requirements that apply only to individual components are listed in a separate section.

General requirements

This section describes requirements that apply to all SignDoc clients operating not on mobile devices.

Specification	Description
Hardware	<p>We recommend a standard office PC with at least 2 GB of RAM (recommended is 4 GB of RAM).</p> <p>There are additional requirements for client applications when native handwritten signatures have to be captured.</p>
Browser (usage on desktop computer)	<p>Edge</p> <ul style="list-style-type: none"> Edge (tested version: 44.17763.1.0) <ul style="list-style-type: none"> Windows 10 <p>Internet Explorer</p> <ul style="list-style-type: none"> Internet Explorer 11 (tested version: 11.678.17763.0) <ul style="list-style-type: none"> Windows 10, 8.1, 7 <ul style="list-style-type: none"> Windows 7 SP1 requires extended support (end date: January 14, 2020) <p>Chrome</p> <ul style="list-style-type: none"> Stable channel (tested version: 78.0.3904.70 (64-bit)) <p>Firefox</p> <ul style="list-style-type: none"> ESR Version (current version) (tested version: 70.0 (64-bit)) <p>Safari Browser</p> <ul style="list-style-type: none"> Mac OS X
Operating Systems	<p>We recommend that you upgrade to the latest operating system patch of the following supported operating system versions.</p> <p>Microsoft Windows</p> <ul style="list-style-type: none"> Windows 10 Windows 8.1 <ul style="list-style-type: none"> Microsoft mainstream support end date: Jan 9, 2018 Requires Microsoft extended support (end date: Jan 10, 2023) Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020)

Specification	Description
	<p>Linux</p> <ul style="list-style-type: none"> • Only x86/x64 <p>Mac OS</p> <ul style="list-style-type: none"> • OS X

SignDoc Standard Manage Client and Administration Center

This section describes additional requirements and particularities for the client application to create and maintain accounts as well as to create and maintain signing packages using SignDoc Standard.

Specification	Description
Accessibility	We recommend an Internet connection capable of 100 Mbps.
Mobile operating system	<p>We recommend administrating SignDoc Standard via desktop computer.</p> <p>Note: When using a mobile device for administration we recommend a medium size device (tablets, 768px and up).</p>
Languages supported	<p>GUI available in:</p> <ul style="list-style-type: none"> • Dutch, English, French, German, Italian, Japanese, Portuguese (Brazil), Spanish

SignDoc Signing Client

This section describes additional requirements and particularities for the client web applications to sign or review documents. Deviations for the legacy SignDoc Web Browser Client are covered in the next section. Requirements for the SignDoc Mobile App are treated in a separate section.

Specification	Description
Compatible Hardware	<p>For desktop computers, we support devices that are compatible with the supported browser technology and supported client operating system as listed below as well as 10 GB or more free hard disk space for installing software for native handwritten signature capture.</p> <p>For mobile devices, we support that are compatible with the supported mobile operating system as listed below using device default (standard) browser technology.</p> <p>Note: On mobile devices, the handwritten signature capturing is</p>

Specification	Description
	supported as HTML5 capture.
Accessibility	<p>The browser based signing clients require an Internet connection capable of the equivalent bandwidth of a 3G/LTE connection.</p> <p>Support mobile devices with mobile network or Wi-Fi network connectivity.</p>
Mobile Operating Systems	<p>Apple iOS</p> <ul style="list-style-type: none"> • 13, 12, 11, 10, 9.3 <p>Google Android OS</p> <ul style="list-style-type: none"> • 9.x, 8.x, 7.x, 6.x, (tested version 8.1.0. 7.1.1) <p>Microsoft Windows OS</p> <ul style="list-style-type: none"> • Windows 10
Handwritten Signature Capturing (via browser on desktop computer)	<p>Browsers referenced in the SignDoc Clients > General requirements section are support at least for HTML5 handwritten signature capture.</p> <p>Edge</p> <ul style="list-style-type: none"> • Capture of signatures will be done via HTML5 only <p>Internet Explorer</p> <ul style="list-style-type: none"> • Native handwritten signature capture support via SignDoc Device Support <p>Chrome</p> <ul style="list-style-type: none"> • Native handwritten signature capture support via SignDoc Device Support • HTML5 handwritten signature capture is available <p>Firefox</p> <ul style="list-style-type: none"> • Native handwritten signature capture support via SignDoc Device Support • HTML5 handwritten signature capture is available <p>Safari Browser</p> <ul style="list-style-type: none"> • Capture of signatures will be done via HTML5 only
Compatible Software (via browser on desktop computer)	<p>SignDoc Device Support (only for Windows desktop systems)</p> <ul style="list-style-type: none"> • 2.0.1 native signature capture via Chrome, Firefox or Internet Explorer 11 <p>Note: SignDoc Device Support includes DeviceConnector and also the drivers for supported handwritten signature capture devices previously available with Softpro Driver Setup.</p>

Specification	Description
Languages supported	GUI available in: <ul style="list-style-type: none"> Dutch, English, French, German, Italian, Japanese, Portuguese (Brazil), Spanish

SignDoc Web - Browser Client

This section describes particularities for the browser client of SignDoc Web that differ from the SignDoc Signing Client. General requirements are listed in the section SignDoc Clients > General requirements.

Specification	Description
Handwritten Signature Capturing (via Browser on desktop computer)	HTML5 handwritten signature capture is only available for the SignDoc Web Browser client "mobile view".
Languages supported	GWT GUI available in: <ul style="list-style-type: none"> Dutch, English, French, German, Italian, Japanese, Portuguese (Brazil), Spanish

SignDoc Web - SignDoc Mobile client

This section describes the requirements for the SignDoc Mobile app. SignDoc Mobile is a client application for SignDoc Web.

Specification	Description
Hardware	RAM 1 GB
Accessibility	SignDoc Web requires an Internet connection capable of the equivalent bandwidth of a 3G/LTE connection. Supported mobile devices with mobile network or Wi-Fi network connectivity.
Mobile Operating Systems	Apple iOS <ul style="list-style-type: none"> 13, 12, 11, 10, 9.3 Android OS <ul style="list-style-type: none"> 9, 8.x, 7.x, 6.0, 5.x
Handwritten Signature Capturing	native handwritten signature capturing

Specification	Description
Languages supported	available in: <ul style="list-style-type: none"><li data-bbox="623 415 760 447">• English

SignDoc SDK

SignDoc SDK enables the creation of applications which process SignDoc documents, that is, rendering as images, signing, and verifying PDF and TIFF documents. It provides functionality to capture handwritten signatures on mobile devices, or from specific USB signature pads, and to verify them. The technical specifications in this section are specific to SignDoc SDK, version 5.0.

This section provides the requirements for the following parts:

- SD SDK 5.0
- Foundations
 - Android 1.9
 - iOS 1.6.10
 - WinRT 1.1.1
- SignWare 3.3.0.0

SD SDK

SD SDK is delivered as 64-bit version and enables the creation of applications which process SignDoc documents, that is, rendering as images, signing, and verifying PDF and TIFF documents.

Specification	Description
Hardware	<p>System Requirement for Development</p> <p>Windows</p> <p>Microsoft Windows 10/8.1/7 (64-bit) processor: 2 GB RAM min, 8 GB RAM recommended 2 GB or (more available) disk space Additional disk space for development environment</p> <p>Linux</p> <p>Restricted to headless operations (i.e. there is no GUI and there are no GUI elements)</p> <p>System Requirement for Deployment</p> <p>100 MB or (more available) disk space</p>
Software	<p>System Requirement for Development</p> <p>Java Development Kit (JDK) 11, 8 Visual Studio 2017 Xcode 11</p> <p>System Requirement for Deployment</p> <p>Windows systems</p> <ul style="list-style-type: none"> • Visual C++ 2017 Redistributable Packages • Java 11, 8

Specification	Description
Toolkits	C C++ .Net Java
Operating Systems	<p>Microsoft Windows</p> <ul style="list-style-type: none"> • Windows 10 (64-bit) • Windows 8.1 (64-bit) <ul style="list-style-type: none"> • Note: Windows 8.1 (64-bit) requires Microsoft extended support (end date: Oct 1, 2023) • Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020) • Note: SignDoc SDK WinRT interface supports only Windows 10 • Windows Server 64-bit 2012 <ul style="list-style-type: none"> • Microsoft Mainstream support ends Oct 9, 2018 • Windows Server 64-bit 2012 R2 <ul style="list-style-type: none"> • Microsoft Mainstream support end date: Oct 9, 2018 • Microsoft extended support end date: Jan 14, 2023 • Windows Server 64-bit 2016 • Windows Server 64-bit 2019 <p>Linux</p> <ul style="list-style-type: none"> • CentOS/RHEL greater or equal to version 6 <ul style="list-style-type: none"> • RHEL maintenance updates for CentOS 6 till November 30, 2020 • RHEL maintenance updates for CentOS 7 till June 30, 2024 • Ubuntu 16.04 LTS <ul style="list-style-type: none"> • Canonical Ltd support until 2021-04 • Ubuntu 18.04 LTS <ul style="list-style-type: none"> • Canonical Ltd support until 2023-04 <p>Apple OS</p> <ul style="list-style-type: none"> • OS X • iOS 13 <p>Google Android OS</p> <ul style="list-style-type: none"> • 9 • 8.x 7.x, 6.0 (tested version 7.1.1)
Operating Platforms for Executables	android-arm64v8a android-armv7a darwin-x86_64

Specification	Description
	iOS-universal linux-x86_64 Win64 WinRT_x64
Languages supported	English

Android Foundations

Android Foundations provides basic functionality to capture handwritten signatures on Android.

Specification	Description
Hardware	<p>System Requirement for Development Android Development Environment</p> <p>System Requirement for Deployment RAM 1 GB</p> <p>All Android devices are supported for signature capture.</p>
Software	<p>System Requirement for Development as defined by Android Development Environment</p> <p>System Requirement for Deployment 1 GB RAM</p>
Mobile Operating Systems	<p>Google Android OS</p> <ul style="list-style-type: none"> 9.x , 8.x 7.x, 6.0
Mobile devices supported Pen	<p>S-Pen (requires device supporting S Pen)</p> <p>Pens supported via Android SDK</p>
Required 3rd Party Technologies	<p>for S-Pen support: Samsung S-Pen SDK</p> <p>Pens supported via Android SDK</p>
Languages supported	English

iOS Foundations

iOS Foundations provides basic functionality to capture handwritten signatures on iOS.

Specification	Description
Hardware	<p>System Requirement for Development as defined by iOS Development environment</p> <p>System Requirement for Deployment 1 GB RAM 64 bit capable iOS hardware</p> <p>iPhone</p> <ul style="list-style-type: none"> • iPhone X • iPhone 8, 8Plus, • iPhone 7, 7Plus, • iPhone 6, 6Plus, 6S, 6S Plus • iPhone SE • iPhone 5S <p>iPad</p> <ul style="list-style-type: none"> • iPad Pro • iPad Air • iPad Mini • iPad <p>Note: Apple devices not upgradable to specified operating system are not available for the described iOS Foundation version.</p>
Software	<p>System Requirement for Development Xcode 11</p> <p>System Requirements for Deployment 1 GB RAM</p>
Mobile Operating Systems	<p>Apple iOS</p> <ul style="list-style-type: none"> • 13, 12, 11, 10, 9.3
Mobile devices supported Pen	<p>Apple Pencil</p> <ul style="list-style-type: none"> • Apple Pencil 2nd generation (12.9" iPad Pro 3rd generation, 11" iPad Pro) • Apple Pencil (12.9" iPad Pro 1st and 2nd generation, 10.5" iPad Pro, 9.7" iPad Pro, iPad 6th generation, iPad Air 3rd generation, iPad mini 5th generation) <p>Wacom Stylus</p>

Specification	Description
	<ul style="list-style-type: none"> • Intuos® Creative Stylus (iPad Air 1/ 2, iPad mini 1 - 3, iPad 3 / 4) • Intuos® Creative Stylus 2 (iPad Air 1, iPad mini 1- 3, iPad 3 / 4) • Bamboo™ Stylus Finesline (iPad, iPad Air 1/ 2, iPad mini 1 – 4, iPad 3th - 4th generation) • Bamboo™ Finesline (iPad Air 1/ 2, iPad mini 1 - 4, iPad 3th - 6th generation, 10.5 inch iPad Pro, 12.9 inch iPad Pro 1st – 2nd generation) • Bamboo™ Finesline 2 (iPad, iPad Air 1/ 2, iPad mini 1 – 4, iPad 3th - 4th generation) • Bamboo™ Sketch (iPad Air 1/ 2, iPad mini 1 - 4, iPad 3th - 6th generation, 9.7 inch iPad Pro, 10.5 inch iPad Pro, 12.9 inch iPad Pro 1st – 2nd generation)
Languages supported	English

Windows Foundations

WindowsRT Foundations (64 bit) provides basic functionality to capture handwritten signatures on WindowsRT.

Specification	Description
Hardware	<p>System Requirement for Development</p> <p>Windows</p> <p>Microsoft Windows 10 (64-bit) processor: 2 GB RAM min, 8 GB RAM recommended 2 GB or (more available) disk space Additional disk space for development environment</p> <p>System Requirement for Deployment</p> <p>1 GB RAM</p>
Software	<p>System Requirement for Development</p> <p>Visual Studio 2017</p> <p>System Requirement for Deployment</p> <p>1 GB RAM</p>
Mobile Operating Systems	<ul style="list-style-type: none"> • Windows 10
Mobile devices supported Pen	no special pen is supported

Specification	Description
Languages supported	English

SignWare

SignWare is delivered as 64-bit version and is a toolkit to easily capture signatures on external signature capture devices and to access dynamic and static signature verification engines.

Specification	Description
Hardware	<p>System Requirement for Development</p> <p>Windows</p> <ul style="list-style-type: none"> Microsoft Windows 10/8.1/7 (64-bit) processor: 2 GB RAM min, 8 GB RAM recommended 2 GB or (more available) disk space Additional disk space for Development Environment <p>Linux</p> <ul style="list-style-type: none"> Restricted to headless operations (i.e. there is no GUI and there are no GUI elements) <p>System Requirement for Deployment</p> <p>1 GB RAM</p>
Software	<p>System Requirement for Development</p> <p>Java Development Kit (JDK) 11, 8</p> <p>Microsoft Visual Studio 2017</p> <p>System Requirements (3rd party) for Deployment</p> <p>Microsoft shared runtime libraries:</p> <ul style="list-style-type: none"> • Visual C++ 2017 and 2015 Redistributable Packages <p>Note Visual C++ 2015, 2017 and 2019 all share the same redistributable files.</p> <p>Java 11, 8</p>
Toolkits	<p>Windows</p> <ul style="list-style-type: none"> • c • java • ActiveX <p>Linux</p>

Specification	Description
	<ul style="list-style-type: none"> c java
Operating Systems	<p>Microsoft Windows</p> <ul style="list-style-type: none"> Windows 10 (64-bit) Windows 8.1 (64-bit) <ul style="list-style-type: none"> Note: Windows 8.1 (64-bit) requires Microsoft extended support (end date: Oct 1, 2023) Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020) Windows Server 64-bit 2012 <ul style="list-style-type: none"> Microsoft Mainstream support ends Oct 9, 2018 Windows Server 64-bit 2012 R2 <ul style="list-style-type: none"> Microsoft Mainstream support end date: Oct 9, 2018 Microsoft extended support end date: Jan 14, 2023 Windows Server 64-bit 2016 Windows Server 64-bit 2019 <p>Linux</p> <ul style="list-style-type: none"> CentOS/RHEL greater or equal to version 6 <ul style="list-style-type: none"> RHEL maintenance updates for CentOS 6 till November 30, 2020 RHEL maintenance updates for CentOS 7 till June 30, 2024 Ubuntu 18.04 LTS <ul style="list-style-type: none"> Canonical Ltd support until 2023-04 Ubuntu 16.04 LTS <ul style="list-style-type: none"> Canonical Ltd support until 2021-04
Operating Platforms for Executables	linux-x86_64 Win64
Languages supported	English

SignAlyze

SignAlyze is a standalone application to visualize handwritten biometric signatures, to compare them, and to validate certificates associated with the document including the signature data. It is an interactive tool providing forensic experts additional information in the analysis of signatures. The technical specifications in this section are specific to SignAlyze, version 1.9.0.

Specification	Description
Hardware	We recommend 1 GHz or faster, at least 1 GB of RAM and 500 MB or more free hard disk space.
Client Operating Systems	We recommend that you upgrade to the latest operating system patch of the following supported operating system versions. Microsoft Windows <ul style="list-style-type: none"> Windows 10 (64-bit) Note: Windows 8.1 (64-bit) requires Microsoft extended support (end date: Oct 1, 2023) Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020)
Required 3rd Party Technologies	Microsoft shared runtime libraries: <ul style="list-style-type: none"> Visual C++ 2017 Redistributable Packages
Compatible Software	SignDoc Device Support <ul style="list-style-type: none"> 2.0.1 native signature capture <p>Note: SignDoc Device Support includes DeviceConnector and also the drivers for supported handwritten signature capture devices previously available with Softpro Driver Setup.</p>
Languages supported	GUI available in: <ul style="list-style-type: none"> English German

SignDoc Device Support

SignDoc Device Setup supports handwritten signature capture using external devices. It replaces the Softpro Driver Setup. The technical specifications in this section are specific to:

- SignDoc Device Setup 2.0.1

Setup

The setup installs the SignDoc Device components.

Specification	Description
Hardware	We recommend 1 GHz or faster, at least 1 GB of RAM and 200 MB or more free hard disk space.
Operating Systems	<p>We recommend that you upgrade to the latest operating system patch of the following supported operating system versions.</p> <p>Microsoft Windows Client</p> <ul style="list-style-type: none"> • Windows 10 • Windows 8 / 8.1 • Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020) <p>Microsoft Windows Server</p> <ul style="list-style-type: none"> • 2019 • 2016 • 2012, 2012 R2
Required 3rd Party Technologies	<ul style="list-style-type: none"> • Microsoft Visual C++ 2013 Redistributable (x86) • Manufacturer device drivers for signature pads.
Compatible Software	<ul style="list-style-type: none"> • Kofax SignDoc 2.2, 2.1, 2.0
Languages supported	English, German

Core - Device Connector, SignPad Driver, Touch & Pen Support

The Device Connector enables the web based capturing of handwritten signatures and images. The Device connector is also required to retrieve certificates. SignPad driver components enable capturing of handwritten signatures using WACOM devices and provides an access module for Windows integrated touch pen devices.

Specification	Description
Hardware	We recommend 1 GHz or faster, at least 1 GB of RAM and 200 MB or more free hard disk space.
Browser	Chrome Firefox Internet Explorer 11
Client Operating Systems	We recommend that you upgrade to the latest operating system patch of the following supported operating system versions. Microsoft Windows <ul style="list-style-type: none"> Windows 10 Note: Windows 8.1 (32-bit or 64-bit) requires Microsoft extended support (end date: Oct 1, 2023) Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020)
Required 3rd Party Technologies	<ul style="list-style-type: none"> Microsoft Visual C++ 2013 Redistributable (x86) Wacom STU Driver Manufacturer device drivers for interactive Pen Displays and signature pads without display.
Compatible 3rd Party Technologies	USB Signature Pads with LCD <ul style="list-style-type: none"> WACOM STU-500, STU-520, STU-530, STU-540 WACOM STU-300 WACOM STU-430 Interactive Pen Displays <ul style="list-style-type: none"> WACOM DTU-1031 WACOM DTU-1031X WACOM DTU-1141, DTU-1141B WACOM DTU-1631 Signature Pads without Display <ul style="list-style-type: none"> WACOM Intuos Pro - Inking Pen: KP-130
Compatible Software	<ul style="list-style-type: none"> Kofax SignDoc 2.2, 2.1, 2.0

Core - Virtual Channel

The Virtual Channel component allows the usage of USB signature pads without a COM-Port-Mapping.

Specification	Description
Hardware	We recommend 1 GHz or faster, at least 1 GB of RAM and 1 MB or more free hard disk space.
Operating System	<p>Microsoft Windows</p> <ul style="list-style-type: none"> • Windows 10, 8.1, 7 (32-bit or 64-bit) <ul style="list-style-type: none"> • Note: Windows 8.1 (32-bit or 64-bit) requires Microsoft extended support (end date: Oct 1, 2023) • Note: Windows 7 SP1 requires extended support (end date: January 14, 2020) • Windows Server 64-bit 2008 R2 <ul style="list-style-type: none"> • Requires Microsoft extended support (end date: Jan 14, 2020) • Windows Server 64-bit 2012 <ul style="list-style-type: none"> • Microsoft Mainstream support ends Oct 9, 2018 • Windows Server 64-bit 2012 R2 <ul style="list-style-type: none"> • Microsoft Mainstream support end date: Oct 9, 2018 • Microsoft extended support end date: Jan 14, 2023 • Windows Server 64-bit 2016 • Windows Server 64-bit 2019 <p>Linux</p> <ul style="list-style-type: none"> • CentOS/RHEL greater or equal to version 6 <ul style="list-style-type: none"> • RHEL maintenance updates for CentOS 6 till November 30, 2020 • RHEL maintenance updates for CentOS 7 till June 30, 2024 • Ubuntu 18.04 LTS <ul style="list-style-type: none"> • Canonical Ltd support until 2023-04 • Ubuntu 16.04 LTS <ul style="list-style-type: none"> • Canonical Ltd support until 2021-04
Client - Server Protocol	<p>Windows</p> <ul style="list-style-type: none"> • ICA • RDP <p>Linux</p> <ul style="list-style-type: none"> • ICA
Required 3rd Party Technologies	<ul style="list-style-type: none"> • Citrix Client <ul style="list-style-type: none"> • on Windows (32-bit, 64-bit) • on Linux (x86) • Terminal Service - Microsoft Remote Desktop Client on Windows (32-bit and 64-bit)

Specification	Description
Compatible 3rd Party Technologies	USB Signature Pads with LCD <ul style="list-style-type: none"> WACOM STU-500, STU-520, STU-530, STU-540 WACOM STU-300 WACOM STU-430
Compatible Software	<ul style="list-style-type: none"> Kofax SignDoc 2.2, 2.1, 2.0

Sign2Phone

This driver setup component enables capturing of handwritten signatures using a mobile device as signature capture device. On the mobile device the Sign2Phone APP must be installed.

Specification	Description
Hardware	We recommend 1 GHz or faster, at least 1 GB of RAM and 1 MB or more free hard disk space.
Client Operating Systems	<p>We recommend that you upgrade to the latest operating system patch of the following supported operating system versions.</p> <p>Microsoft Windows</p> <ul style="list-style-type: none"> Windows 10 Note: Windows 8.1 (32-bit or 64-bit) requires Microsoft extended support (end date: Oct 1, 2023) Note: Windows 7 Enterprise/Professional/Ultimate Edition (32-bit/64-bit) requires MS extended support (end date: Jan 14, 2020)
Required 3rd Party Technologies	Bonjour protocol
Compatible 3rd Party Technologies	<ul style="list-style-type: none"> Sign2Phone for Android App (googleplay.com) Sign2Phone for iOS App (itunes.apple.com)
Compatible Software	<ul style="list-style-type: none"> Kofax SignDoc 2.2, 2.1, 2.0
Languages supported	setup: English, German