



# Sage XRT Communication & Signature

Version 4.2.100

## Technical Guidelines



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## Foreword

These versions of **Sage XRT Communication & Signature** apply the security recommendations of *Oracle* and the various browser editors.

**Important!** These 32-bit applications only operate with 64-bit versions of **Sage XRT Common Services** and **Sage XRT Bank Format Library**.

*Java* applet is no longer used and *Internet Explorer* 8-9-10 have been decommissioned for **Sage XRT** software.

**Note:** Web Signature functions fully operate under *macOS* (see Appendix on *macOS*).

## Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	<b>Sage XRT Communication &amp; Signature</b> 4.2.100 <b>Sage XRT Common Services</b> 5.1.103 <b>Sage Bank Format Library</b> 4.6.101 <b>Sage View &amp; Sign</b> 3.0.1
	Versions Interoperability	<b>Sage XRT Business Exchange</b> 12.4.100 <b>Sage XRT Advanced</b> 3.0 <b>Sage XRT Treasury</b> 4.2
	Build No.	<b>Sage XRT Communication &amp; Signature</b> 4.2.100.405
	Available Languages	French - English - Spanish
Client Station	Operating System	Windows 10 64 bits MAC 64-bit (only for Signature Web) Screen Resolution: 1440x900 (16:9) or 1280x1024 (4:3) Size of text = maximum 125%
	Minimum Sizing	Processor: 2Ghz Bi-Pro/Dual Core RAM: 4 GB Disk Space: 2GB
	Other required products	Microsoft .Net Framework 4.5.2 minimum DBMS Client (see section <i>DB Connectivity</i> ) Microsoft.IIS.PowerShell
	Optional products	JRE 8.0.1410 (64-bit) Required for processing XML files on the station (edit, convert, generate).
	Compatible office suites	Microsoft Office 2013 (with most recent Service Pack) and 2016

## Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Client Station	Validated Browsers	<p>Microsoft Windows:</p> <ul style="list-style-type: none"> <li>• Microsoft Edge</li> <li>• Chrome 70 and later</li> <li>• Firefox 63 and later</li> </ul> <p>MAC OS X High Sierra, Sierra &amp; El Capitan:</p> <ul style="list-style-type: none"> <li>• Safari</li> <li>• Chrome 70 and later</li> <li>• Firefox 63 and later</li> </ul> <p>See Mac OS Appendix</p>
	Components not validated	<p>All versions of Microsoft Office 64 bits</p> <p>Internet Explorer 8, 9, 10, 11</p> <p>JRE 1.7 (all update)</p>
Application and/or Publication Server	Operating System	<p>Windows Server 2016</p> <p>Windows Server 2019</p>
	Other Required Components	<p>Microsoft .NET Framework 4.5.2 minimum</p> <p>Internet Information Service: IIS 8.5, 10</p> <p>&lt;ServerSideInclude&gt; element must be installed (See <i>IIS Appendices</i>).</p> <p>JRE 8.0.1410 (64-bit)</p>
	Minimum Sizing	<p>4 vCPU 2Ghz processor or equivalent</p> <p>RAM: 8 GB</p> <p>Disk Space: 3 GB (Programs)</p>
Server and Database (See Appendices)	Operating System	<p>Windows Server 2016</p> <p>Windows Server 2019</p>
	Minimum Sizing	<p>Processor: 4 vCPU 2Ghz or equivalent</p> <p>RAM: 8 GB</p>
	Compatible Microsoft Databases	<p>SQL Server 2016</p> <p>SQL Server 2017</p> <p>SQL Server 2019</p>



## Compatibility Chart

Environment	Prerequisite Type	Prerequisite
<b>Server and Database</b>  (See Appendices)	32-bit and 64-bit Microsoft DB Connectivity	minimum MS-SQL components: <ul style="list-style-type: none"> <li>• Client tools Connectivity</li> <li>• Complete management tools</li> </ul>
	Compatible Oracle Databases	Oracle 12c Oracle 18c Oracle 19c
	32-Bit and 64-bit Oracle Connectivity	Oracle client 12.2.0.1.0 minimum for 12c Oracle client 18.3 for 18c Oracle client 19.3 for 19c Oracle Component to install: <ul style="list-style-type: none"> <li>• SQL*Plus</li> <li>• Oracle Net</li> <li>• Oracle Connection Manager</li> <li>• Oracle ODBC drivers</li> <li>• Oracle Provider for OLE DB</li> <li>• ODAC</li> </ul>
<b>Thin Client and Virtualization &amp; Publication Tool</b>  (See Appendices)	Remote Desktop Services	Windows Server 2016 and 2019
	XenApp	V6 and later
	vSphere	V5 and later
	Hyper-V	Windows Server 2016 and 2019
<b>Sage View &amp; Sign</b>  smartphones & tablets	Operating Systems	Apple: iOS 12.2 minimum Android: Android 5.1 minimum
	Validated Terminals	Apple: <ul style="list-style-type: none"> <li>• iPhone 6</li> <li>• iPhone 7</li> <li>• iPhone 10</li> </ul>

\* You must read the technical recommendations and restrictions provided by the editors to check that forward compatibility is supported.

## Appendices

### Databases

**Sage XRT Communication & Signature** are 32-bit versions only operating with 64-bit versions of **Sage XRT Common Services** and **Sage XRT Bank Format Library**.

The client components for the corresponding DBMS must be installed: 32-bit for **Sage XRT Communication & Signature** and 64-bit for **Sage XRT Common Services** and **Sage XRT Bank Format Library**.

### Virtualization

Some functions linked to Bank Communication Management can only be executed on an application server.

**Important!** Virtualization may have negative impacts on the applications processing times.

Before any deployment, the architecture and the size of your configuration may be validated by Sage consultants.

The drivers for **EBICS TS** tokens must be available for sending bank files with electronic signature.

### Windows

#### Signature Component

For more information on the signature component installation under **Windows**, refer to this document:

*SageEb\_eIDSign\_TechnicalScope\_Windows*

#### Terminal Server

On **TSE** environments for which the **Remote Desktop Service** role is selected, the **Sage XRT Common Services** installation keeps the **Windows Installer** coordinator looping and fails.

To solve this problem, we recommend to enable the deactivation parameter of the **RDS Compatibility** for **Windows Installer**:

*Computer Configuration\Administrative Templates\Windows Components\Remote Desktop Services\Remote Desktop Session Host\Application Compatibility\Turn off Windows Installer RDS Compatibility.*

## Appendices

### View & Sign

For HTTPS (TLS) operation, the web server must use a certificate issued by a trusted authority approved by the device.

Auto-signed certificates are not accepted by *Android* OS or *iOS*.

### macOS

The web signature functions do not work with **Catalina** 10.15 yet (validation in progress).

For more information on the signature component installation under *macOS*, refer to this document:

*Sage Eb\_eIDSign\_TechnicalScope\_MACOSX*

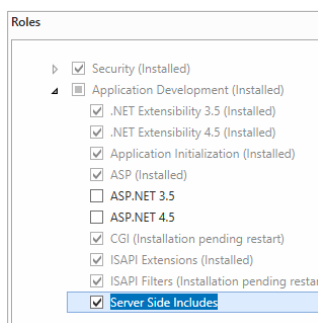
### IIS

In the **Web.config** file for the corresponding site, remove the security tag if **IIS** <= 8.50.

**<serverSideInclude>** element is not installed by default with **IIS** versions 8.5 and later. To install this component, follow the *Microsoft* procedure below.

WINDOWS SERVER 2012 R2, WINDOWS SERVER 2016

1. On the taskbar, click **Server Manager**.
2. In **Server Manager**, click the **Manage** menu, and then click **Add Roles and Features**.
3. In the **Add Roles and Features** wizard, click **Next**. Select the installation type and click **Next**. Select the destination server and click **Next**.
4. On the **Server Roles** page, expand **Web Server (IIS)**, expand **Web Server**, expand **Application Development**, and then select **Server Side Includes**. Click **Next**.



Source: <https://docs.microsoft.com/en-us/iis/configuration/system.webserver/serversideinclude>



### Service Dependency

The following dependencies are recommended:

- **LAD Server** service for **SCAS**, **SCPS** and **SCDTS** services,
- **XSMonitor** and **XCMonitor** services for **LAD Server** service.