



# Sage XRT Treasury version 4.1.0

## Sage XRT Communication & Signature version 4.1.0

### Technical Guidelines



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## Foreword

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

So *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 *MAC OSX*.

## Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	<p><b>Sage XRT Treasury v4.1.0</b></p> <p><b>Sage XRT Communication &amp; Signature v4.1.0</b></p> <p><b>Sage XRT Common Services v3.9.204</b></p> <p><b>Sage Bank Format Library v2.1.211</b></p> <p><b>Sage View &amp; Sign 2.0.0</b></p> <p><b>Sage Eb Admin Rest Api 1.0.1</b></p>
	Installation prerequisites for this version	<p><b>Sage XRT Treasury v4.0.x</b></p> <p><b>Sage XRT Common Services v3.9.x</b></p> <p><b>Sage Bank Format Library v2.x</b></p> <p><b>Sage View &amp; Sign 1.0.x</b></p>
	Versions Interoperability	<p><b>Sage Business Exchange v11.40.608</b></p> <p><b>Sage XRT Advanced v2.2 (64-bit)</b></p>
	Build No.	<p><b>Sage XRT Treasury 4.1.000.05</b></p> <p><b>Sage XRT Communication &amp; Signature 4.1.0.330</b></p>
	Available Languages	<p>French - English - Spanish</p> <p>Portuguese, Italian and German (incomplete localization, unavailable for <b>Sage XRT Communication&amp; Signature</b>)</p>
Client Station	Operating System	<p>Windows 7 SP1 64 bits</p> <p>Windows 10 64 bits</p> <p>MAC 64-bit (only for Signature Web)</p> <p>Screen Resolution: 1440x900 (16:9) or 1280x1024 (4:3)</p> <p>Size of text = maximum 125%</p>

**Compatibility Chart**

Environment	Prerequisite Type	Prerequisite
Client Station	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 DB Connectivity)
	Optional products	JRE v1.6.0.20 or v1.8.0.11 32-bit  Required if the station makes SEPA conversions
	Compatible office suites	Microsoft Office 2013 (with most recent Service Pack) and 2016
	Validated Browsers	Microsoft Windows 7, 8.1 & 10:  Internet Explorer 11 / Edge  Chrome 63.x and later  Firefox 57 and later  MAC OSX Sierra 10.12.2 & El Capitan 10.11  Safari  Chrome 63.x and later  Firefox 57 and later  See Mac OS Appendix
	Components not validated	All versions of Microsoft Office 64 bits  Internet Explorer 8 & 9.10  JRE 1.7 (all update)
Application and/or Publication Server	Operating System	Windows Server 2012 R2  Windows Server 2016 See Appendices

# Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Application and/or Publication Server	Other Required Components	<p>Microsoft .NET Framework 4.5.2 minimum Internet Information Service: IIS 7.5, 8, 8.5</p> <p>Java Execution Environment: JRE v1.6.0.20, v1.8.0.11 32 bits</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	Operating System	<p>Windows Server 2012 R2</p> <p>Windows Server 2016</p>
	Minimum Sizing	<p>Processor: 4 vCPU 2Ghz or equivalent</p> <p>RAM: 8 GB</p>
	Compatible Microsoft Databases	<p>SQL Server 2012</p> <p>SQL Server 2014</p> <p>SQL Server 2016</p>
	32-bit Microsoft DB Connectivity	<p>minimum MS-SQL components:</p> <ul style="list-style-type: none"> <li>• Client tools Connectivity</li> <li>• Complete management tools</li> </ul>
	Compatible Oracle Databases	<p>Oracle 12c (See Appendices)</p>
	32-bit Oracle Connectivity	<p>Client Oracle (x86) 12.2.0.1.0 minimum</p> <p>Oracle Component to install:</p> <ul style="list-style-type: none"> <li>• SQL*Plus</li> <li>• Oracle Net</li> <li>• Oracle Connection Manager</li> <li>• Oracle ODBC drivers</li> </ul>

# Compatibility Chart

Environment	Prerequisite Type	Prerequisite
		<ul style="list-style-type: none"> <li>Oracle Provider for OLE DB</li> <li>ODAC 32-bit</li> </ul>
Thin Client and Virtualization & Publication Tool  (See Appendices)	Terminal Server Edition	Windows Server 2012 R2 and later version*
	XenApp	V6 and later*
	vSphere	V5.5 and later*
	Hyper-V	Windows Server 2012 R2 and 2016*
Sage View & Sign  smartphones & tablets	Operating Systems	Apple: iOS 9.0 minimum Android 4.4.2 minimum Windows Phone 8.1 minimum
	Validated Terminals	Apple: <ul style="list-style-type: none"> <li>iPad 2</li> <li>iPad Air</li> <li>iPhone 6</li> <li>iPhone 7</li> <li>iPhone 10</li> </ul> Android: <ul style="list-style-type: none"> <li>Samsung Galaxy S4, S5 and S6</li> <li>Samsung Galaxy Tab</li> <li>Sony Xperia Z3 Compact</li> </ul> Windows: Nokia Lumia 550, 625 and 635

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

## Appendices

### Tablespaces

The following Tablespaces must be created.

#### Sage Common Services

**XRT\_DATA**: static data, 20MB by default

**XRT\_INDEX**: 20MB by default

#### Sage XRT Treasury

**U2\_DATA**: software data, 50MB by default to be resized according to expected volumes

**U2\_INDEX**: software data indexes, 50MB by default to be resized according to expected volumes

**U2\_TEMP**: temporary tables, 50MB by default to be resized according to expected volumes

**U2\_AUDIDX**: temporary tables, 50MB by default to be resized according to expected volumes

**U2\_AUD**: temporary tables, 50MB by default to be resized according to expected volumes

**Warning**: The tablespaces names must not be changed. The naming of the physical files is free as long as it is supported by *Oracle* and the operating system.

**XML formats such as CAMT054, SDD, SCT are not compatible with JRE 1.7.0.60 (32-bit).**

### Virtualization

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

**Warning**: 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

#### Windows Server

Installing **KB Windows KB3072630** generates an anomaly during **Sage XRT Common services** installation, which prevents the proper installation of the module. The outcome is a rollback during the ODBC components installation.



## Appendices

**Warning:** It is recommended not to install **KB3072630**.

### Signature Component

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

*Sage Eb\_eIDSign\_TechnicalScope\_MACOSX*

### Terminal Server

On **TSE** environments (W2012 R2, and later) for which the **Remote Desktop Service** (RDS) role is selected, the **Sage XRT Common Services** installation keeps the **Windows Installer** coordinator looping and fails.

To solve this problem, it is recommended 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.**

**Note:** For more information on resolving this issue, refer to *SCS.3.7.3.Setup.Guide\_EN.pdf*.

## MAC OS

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

*Sage Eb\_eIDSign\_TechnicalScope\_MACOSX*