



Sage XRT Treasury
version 4.0.900

Sage XRT Communication & Signature
version 4.1.0

Technical Guidelines

Contents

Foreword	3
Compatibility Chart	4
Appendices	8
Tablespaces	8
Sage Common Services.....	8
Sage XRT Treasury	8
Virtualization	8
Windows.....	9
Windows Server	9
Signature Component	9
Terminal Server	9
MAC OS.....	9

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>Sage XRT Treasury v4.0.900</p> <p>Sage XRT Communication & Signature v4.1.0</p> <p>Sage XRT Common Services v3.9.204</p> <p>Sage Bank Format Library v2.1.210</p> <p>Sage View & Sign 2.0.0</p> <p>Sage Eb Admin Rest Api 1.0.1</p>
	Prerequisites for this Service Pack installation	<p>Sage XRT Treasury v4.0.x</p> <p>Sage XRT Common Services v3.9.x</p> <p>Sage Bank Format Library v2.x</p> <p>Sage View & Sign 1.0.x</p>
	Versions Interoperability	<p>Sage Business Exchange v11.40.608</p> <p>Sage XRT Advanced v2.2 (64-bit)</p>
	Build No.	<p>Sage XRT Treasury 4.0.900.03</p> <p>Sage XRT Communication & Signature 4.0.500.310</p>
	Available Languages	<p>French - English - Spanish</p> <p>Portuguese, Italian and German (incomplete localization, unavailable for Sage XRT Communication& Signature)</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	Microsoft .NET Framework 4.5.2 minimum Internet Information Service: IIS 7.5, 8, 8.5 Java Execution Environment: JRE v1.6.0.20, v1.8.0.11 32 bits
	Minimum Sizing	4 vCPU 2Ghz processor or equivalent RAM: 8 GB Disk Space: 3 GB (Programs)
Server and Database	Operating System	Windows Server 2012 R2 Windows Server 2016
	Minimum Sizing	Processor: 4 vCPU 2Ghz or equivalent RAM: 8 GB
	Compatible Microsoft Databases	SQL Server 2012 SQL Server 2014 SQL Server 2016
	32-bit Microsoft DB Connectivity	minimum MS-SQL components: <ul style="list-style-type: none"> • Client tools Connectivity • Complete management tools
	Compatible Oracle Databases	Oracle 12c (See Appendices)
	32-bit Oracle Connectivity	Client Oracle (x86) 12.2.0.1.0 minimum Oracle Component to install: <ul style="list-style-type: none"> • SQL*Plus • Oracle Net • Oracle Connection Manager • Oracle ODBC drivers • Oracle Provider for OLE DB • ODAC 32-bit

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
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"> • iPad 2 • iPad Air • iPhone 6 • iPhone 7 • iPhone 10 Android: <ul style="list-style-type: none"> • Samsung Galaxy S4, S5 and S6 • Samsung Galaxy Tab • Sony Xperia Z3 Compact 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.

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