

# Sage XRT Business Exchange

version 11.40.600

## Technical Guidelines





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## Foreword

**Sage XRT Business Exchange** 11.40.600 follows the security recommendations of *Oracle* and the various browser editors.

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



Web Signature functions fully operate under MAC OSX.

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## Environments

### Compatibility Chart

Environment	Prerequisite Type	Prerequisite
<b>Sage Software</b>	These prerequisites are designed for	<b>Sage XRT Business Exchange</b> 11.40.600 <b>Sage Common Services</b> 3.9.200 <b>Bank Format Library</b> 2.1.200 <b>Sage View &amp; Sign</b> 1.0.6 <b>Sage Eb Admin Rest Api</b> 1.0.1
	Prerequisites for this Service Pack installation	<b>Sage XRT Business Exchange</b> 11.40.x <b>Sage Common Services</b> 3.7.x <b>Sage Bank Format Library</b> 1.0.x <b>Sage View &amp; Sign</b> 1.0.x
	Versions Interoperability	<b>Sage XRT Treasury</b> 4.0.300
	Build No.	11.40.600.1351
	Available Languages	French - English - Spanish
<b>Client Station</b>	Operating System	Windows 7 SP1 64 bits (FR/US) Windows 8.1 64 bits (FR/US) Windows 10 64 bits (FR/US)
	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 bits) Required if the station makes SEPA conversions

Environment	Prerequisite Type	Prerequisite
	Compatible office suites	Microsoft Office 2010 & 2013 (with most recent Service Pack) and 2016
	Validated Browsers	<p>Microsoft Windows 7,8 &amp;10:</p> <ul style="list-style-type: none"> <li>Internet Explorer 10, 11 / Edge</li> <li>Chrome 47.x and later</li> <li>Firefox 40 and later</li> </ul> <p>MAC OSX Sierra 10.12.2 &amp; El Capitan 10.11</p> <ul style="list-style-type: none"> <li>Safari</li> <li>Chrome 47.x and later</li> <li>Firefox 40 and later</li> </ul> <p>See Mac OS Appendix</p>
	Components <b>not validated</b>	<p>All versions of Microsoft Office 64 bits</p> <p>Internet Explorer 8 &amp; 9</p> <p>JRE 1.7 (all update)</p>
<b>Application and/or Publication Server</b>	Operating System	<p>Windows Server 2016</p> <p>Windows Server 2012 R2</p>
	Other Required Components	<p>Microsoft .NET Framework 4.5.2 minimum</p> <p>Internet Information Service: IIS 7.5, 8, 8.5</p> <p>&lt;serverSideInclude&gt; element must be installed (See IIS Appendices)</p> <p>Java Execution Environment: JRE v1.6.0.20, v1.8.0.11 (32 bits)</p>
	Minimum Sizing	<p>Processor: 4 vCPU 2Ghz or equivalent</p> <p>RAM: 8 GB</p> <p>Disk Space: 3 GB (Programs)</p>

Environment	Prerequisite Type	Prerequisite
Server and Database	Operating System	Windows Server 2016 Windows Server 2012 R2
	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"> <li>▪ Client Connectivity Tools</li> <li>▪ Complete management tools</li> </ul> SQL SMO & CLR components must be installed if not present
	Compatible Oracle Databases	Oracle 12c: <b>Warning: version 12.1.0.2 contains regressions impeding the proper operation of certain options in SBE 11.40.500, particularly the Signature Station.</b>
	32-bit Oracle Connectivity	Client Oracle (x86) 12.2.0.1.0 minimum 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> </ul>
Virtualization and Publication Tool (see Appendices)	Terminal Server Edition	Windows Server 2012 R2 and 2016
	XenApp	V5 and later
	ESX	V5 and later
	Hyper-V	Windows Server 2012 R2 and 2016

Environment	Prerequisite Type	Prerequisite
<b>Sage View &amp; Sign</b>  (smartphones & tablets)	Operating Systems	<i>Apple: iOS 9.0 minimum</i> <i>Android: Android 4.4.2 minimum</i> <i>Windows: Windows Phone 8.1 minimum</i>
	Validated Terminals	Apple: <ul style="list-style-type: none"> <li>▪ iPad 2</li> <li>▪ iPad Air</li> <li>▪ iPhone 5</li> <li>▪ iPhone 6</li> </ul> Google: <ul style="list-style-type: none"> <li>▪ Samsung Galaxy S4, S5 and S6</li> <li>▪ Samsung Galaxy Tab</li> </ul> Sony Xperia Z3 Compact  Windows <ul style="list-style-type: none"> <li>▪ Nokia Lumia 550, 625 and 635</li> </ul>

## Flow Opening

Source to Target	Port No.	Editable	Flow Details
Rich Client to Database	1434 (Oracle)	Yes	The setup can be adapted so that only one port is open, with another value than the default one.
	1521 (SQL)		
Rich Client to Files Server (SXBE Files)	SMB	No	Data Exports/Imports, bank format files to edit, application logs May include the following ports: 137, 138, 139 and 445 May be used for remote files access
Rich Client to Files Server (SXBE Files)	DFS	No	Data Exports/imports, bank format files to edit, accounting files, remote sharing Ports for domain controller: 135, 137, 138, 139, 389 and 445 Ports for other server: 135, 137, 138, 139 and 445
Rich Client to Files Server (SXBE Files)	DFS	No	
Rich Client to Files Server (other Files)	SMB	No	Only if files are to be exchanged with remote sharing Data Exports/Imports, bank format files to edit, application logs
Rich Client to Active Directory	MS	No	User Authentication (using Base Class Libraries for namespace System.DirectoryServices of Framework .NET)
Rich Client to XDLO Server	5151	Yes	Sage proprietary protocol
	MS-DTC	Yes	Port range, dynamic or static (1024-65535), range of 20 minimum
Rich Client to LDAP Server	389	Yes	Only for LDAP authentication Default ports, with editable absolute values
	636	Yes	
Rich Client to SXBE Servers (Registry)	139	No	Access to parameters for System Administration module
Rich Client to SXBE Servers (Windows Services)	135	No	Access to Windows Services (RPC)



## Appendices

### Virtualization



Virtualization may have negative impacts on the applications processing times.

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

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

**EBICS TS tokens** drivers must be available for bank files transfer by 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.

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



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

#### Terminal Server

On TSE environments (W2012 R2, W2008 R2, etc.) for which the **Remote Desktop Service** (RDS) role is selected, the **Sage XRT Common Services** installation keeps the MSI 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.*



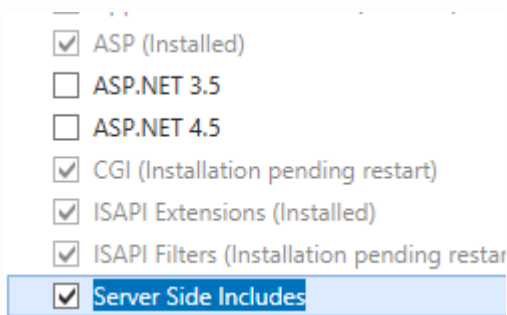
For more information on this solution, refer to *SCS.3.7.3.Setup.Guide\_EN.pdf*.

## IIS

<serverSideInclude> element is not installed by default with versions IIS 7 and later for Windows 2012. To install this component, proceed as follows:

### WINDOWS SERVER 2012 OR 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**.



## MAC OS



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

Sage Eb\_eIDSign\_TechnicalScope\_MACOSX