

Sage XRT Business Exchange

version 11.40.202

Technical Guidelines





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Foreword

Sage XRT Business Exchange 11.40.202 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* software.



Before applying this hotfix, please make sure your browsers are compatible by referring to the following matrix.

Environments

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	Sage XRT Business Exchange 11.40.202 Sage Common Services 3.7.4 Bank Format Library 1.0.4
	Prerequisite for this hotfix installation	Sage XRT Business Exchange 11.40.20x Sage Common Services 3.7.x Sage Bank Format Library 1.0.x Sage View & Sign 1.0.x
	Versions Interoperability	Sage XRT Treasury 4.0.10x Sage Common Services 3.7.x Bank Format Library 1.0.x Sage View & Sign 1.0.x
	Build No.	11.40.202.1039
	Available Languages	French - English - Spanish

Environment	Prerequisite Type	Prerequisite
Client Station	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 4.5.1 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
	Compatible office suites	Microsoft Office 2010 & 2013 (most recent Service Pack)
	Validated Browsers	Internet Explorer 10, 11 / Edge Chrome 47.x 32 bits Firefox 40 32 bits and later
	Components not validated	All versions of Microsoft Office 64 bits Internet Explorer 8 & 9 64-bit Browsers JRE 1.7 (all update)
	Operating System	Windows Server 2012 R1 & R2 (FR/US)

Environment	Prerequisite Type	Prerequisite
Application and/or Publication Server		Windows Server 2008 R2 Standard (x64)
	Other Required Components	Microsoft .NET Framework 4.5.1 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	Processor: 4 vCPU 2Ghz or equivalent RAM: 8 GB Disk Space: 3 GB (Programs)
Server and Database	Operating System	Windows Server 2012 R2 Standard (x64) Windows Server 2008 R2 Standard (x64)
	Minimum Sizing	Processor: 4 vCPU 2Ghz or equivalent RAM: 8 GB
	Compatible Microsoft Databases	SQL Server 2008 R2 SQL Server 2012 SQL Server 2014
	32-bit Microsoft DB Connectivity	Minimum MS-SQL Components: <ul style="list-style-type: none"> Client Connectivity Tools Complete management tools
	Compatible Oracle Databases	Oracle 11g R2 Oracle 12c
	32-bit Oracle Connectivity	Oracle Client (x86) 11.2.0.1.0 with patchset 10155837 Client Oracle (x86) 12.2.0.1.0 Oracle Component to install:

Environment	Prerequisite Type	Prerequisite
Server and Database	32-bit Oracle Connectivity	<ul style="list-style-type: none"> ▪ SQL*Plus ▪ Oracle Net ▪ Oracle Connection Manager ▪ Oracle ODBC drivers ▪ Oracle Provider for OLE DB ▪ Oracle Objects for OLE (only for Oracle 11G)
Virtualization and Publication Tool (refer to chapter: Appendices)	Terminal Server Edition	Windows Server 2008 R2 and 2012 R2
	XenApp	V5 and later
	ESX	V5 and later
	Hyper-V	Windows Server 2008 R2 and 2012 R2
Sage View & Sign (smartphone & tablet)	Operating Systems	Apple: iOS 7.0 minimum Google: Android 4.4.2 minimum
	Validated Terminals	Apple: <ul style="list-style-type: none"> ▪ iPad 2 ▪ iPad Air ▪ iPhone 5 ▪ iPhone 6 Google: <ul style="list-style-type: none"> ▪ Samsung Galaxy S4, S5 and S6 ▪ Samsung Galaxy Tab Sony Xperia Z3 Compact

Flow Opening

Source to Target	Port N°	Modifiable	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	

Source to Target	Port		Flow Details
	N°	Modifiable	
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_FR.pdf*.