



Sage XRT Treasury version 4.2.2

Sage XRT Communication & Signature version 4.2.1

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.

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

So *Java* applet is no longer used and **Internet Explorer** has been decommissioned for **Sage XRT** software.

Note: **Web Signature** functions fully operate under *MAC OSX* (see Appendix on *MacOS*).

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	<p>Sage XRT Treasury 4.2.2 (32 bits)</p> <p>Sage XRT Communication & Signature 4.2.1</p> <p>Sage XRT Common Services 5.0.6</p> <p>Sage XRT Bank Format Library 4.5.1</p> <p>Sage View & Sign 3.0.0</p> <p>Sage Eb ComSign Api 4.2</p>
	Versions Interoperability	<p>Sage Business Exchange 12.3</p> <p>Sage XRT Advanced 2.4.3</p>
	Build No.	<p>Sage XRT Treasury 4.2.002.01</p> <p>Sage XRT Communication & Signature 4.2.1.399</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 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>
	Minimum Sizing	<p>Processor: 2Ghz Bi-Pro/Dual Core</p> <p>RAM: 4 GB</p> <p>Disk Space: 2GB</p>
	Other required products	<p>Microsoft .Net Framework 4.5.2 minimum</p> <p>DBMS Client (see DB Connectivity)</p> <p>Microsoft.IIS.PowerShell</p>

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Client Station	Optional products	JRE 8.0. 1410 (64 bits). Required if the station processes XML files (edition, conversion, generation)
	Compatible office suites	Microsoft Office 2016 or Microsoft Office 365 (local installation)
	Validated Browsers	Microsoft Windows: <ul style="list-style-type: none"> • Microsoft Edge • Chrome 70 and later • Firefox 63 and later MAC OS X High Sierra, Sierra & El Capitan: <ul style="list-style-type: none"> • Safari • Chrome 70 and later • Firefox 63 and later See Mac OS Appendix
	Components not validated	All versions of Microsoft Office 64 bits Internet Explorer (all versions) JRE before version 8.0.x
Application and/or Publication Server	Operating System	Windows Server 2016 Windows Server 2019
	Other Required Components	Microsoft .NET Framework 4.5.2 minimum Internet Information Service: IIS 8.5, 10 <serverSideInclude> element must be installed (see IIS Appendices). JRE 8.0. 1410 (64 bits)

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
	Minimum Sizing	4 vCPU 2Ghz processor or equivalent RAM: 8 GB Disk Space: 3 GB (Programs)
Server and Database	Operating System	Windows Server 2016 Windows Server 2019
	Minimum Sizing	Processor: 4 vCPU 2Ghz or equivalent RAM: 8 GB
	Compatible Microsoft Databases	SQL Server 2016 SP2 SQL Server 2017 SQL Server 2019
	32-bit and 64-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 Oracle 18c
Server and Database (See Appendices)	32-Bit and 64-bit Oracle Connectivity	Client Oracle 18.0.0.0.0 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

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Thin Client and Virtualization & Publication Tool (See Appendices)	Remote Desktop Services	Windows Server 2016 and 2019
	XenApp	V6 and later*
	vSphere	V6.7 and later*
	Hyper-V	Windows Server 2016 and 2019*
Sage View & Sign smartphones & tablets	Operating Systems	Apple: iOS 12.2 minimum Android: Android 5.1 minimum
	Validated Terminals	Apple: <ul style="list-style-type: none"> • iPhone 6 • iPhone 7 • iPhone 10

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

Appendices

Databases

Sage XRT Treasury and **Sage XRT Communication & Signature** remain 32-bit applications but only operate 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 for each component to operate properly: 32-bit for **Sage XRT Communication & Signature** and **Sage XRT Treasury** and 64-bit for **Sage XRT Common Services** and **Sage XRT Bank Format Library**.

Oracle

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.

Client

64-Bit client must be installed on the server used to create and/or update the databases (*DB installer*).

Appendices

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

Signature Component

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

Sage Eb_eIDSign_Périmètre_Technique_Windows

Terminal Server

On **TSE** environments 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*.

View & Sign

To use HTTPS (TLS), the web server must use a certificate issued by a trusted authority accepted by the device.

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

Appendices

MAC OS

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

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

Sage Eb_eIDSign_TechnicalScope_MACOSX.

Service Dependency

Here are our recommendations:

- **LAD Server** depending on **SCAS**, **SCPS**, and **SCDTS**.
- **XSMonitor** and **XCMonitor** depending on **LAD Server**.

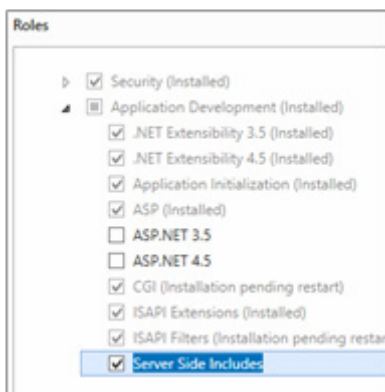
IIS

In the *web.config* file for **OnlineBanking**, delete the **security** tag if **IIS** <= 8.50.

```
<security>  
  <requestFiltering removeServerHeader="true" />  
</security>
```

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

- 1.
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>