



Sage XRT Solutions

Communication & Signature

Technical Guidelines

Version 2022 R6

Sage

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Foreword

These versions of **Sage XRT Treasury** and **Sage XRT Solutions Advanced Communication & Signature** apply the security recommendations of **Oracle** and the various browser editors.

Important! **Sage XRT Treasury** is a 32-bit application which operates with 64-bit versions of **Sage XRT Solutions Common Services**, **Sage XRT Solutions Bank Format Library** and **Sage XRT Solutions Advanced Communication & Signature**.

Java applet is no longer used and **Internet Explorer** 8-9-10-11 have been decommissioned for **Sage XRT** software.

Note: **Signature Web** functions fully operate under **macOS** (see **macOS** appendix).

Compatibility Chart

Environment	Type of prerequisite	Prerequisite
Sage Software	relates to the following versions	Sage XRT Treasury 4.4 (32-bit) Sage XRT Solutions Advanced Communication & Signature 2022 R2.6 Sage XRT Solutions Common Services 6.0.104 Sage XRT Solutions Bank Format Library 2022 R2.6 Sage View & Sign 3.2
	Versions Interoperability	Sage Business Exchange 14.0.10x Sage XRT Solutions Advanced Treasury 2022 R2.6
	Build No.	Sage XRT Treasury 4.04.000.01 Sage XRT Solutions Advanced Communication & Signature 2022 R2.6
	Available Languages	French - English - Spanish
Client Station	Operating System	Windows 10 64 bits macOS 64 bits (only for Signature Web) Screen Resolution: 1440x900 (16:9) or 1280x1024 (4:3) Size of text: maximum 125%
	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 section DB Connectivity) Microsoft.IIS.PowerShell

Environment	Type of prerequisite	Prerequisite
Client Station	Optional products	JRE 8 Update 202 (64-bit) or Azul Zulu 15 minimum Required for processing XML files on the station (edit, convert, generate).
	Compatible office suites	Microsoft Office 2016 or Microsoft Office 365 (local installation)
	Validated Browsers	Microsoft Windows: Microsoft Edge (Chromium) 89 and later Chrome 70 and later Firefox 63 and later macOS High Sierra, Sierra and El Capitan: Safari Chrome 70 and later Firefox 63 and later see macOS appendix
	Components not validated	All versions of Microsoft Office 64 bits Internet Explorer (all versions) JRE before v8.0.x
Application and/or Publication Server	Operating System	Windows Server 2019 Windows Server 2022
	Other Required Components	Microsoft .NET Framework 4.5.2 minimum Internet Information Service: IIS 10 minimum <ServerSideInclude> element must be installed (see IIS appendix). JRE 8 Update 202 (64-bit) or Azul Zulu 15 minimum.
	Minimum Sizing	4 vCPU 2Ghz processor or equivalent RAM: 16GB Disk Space: 6GB (Programs)

Environment	Type of prerequisite	Prerequisite
Server and Database <i>(See Appendices)</i>	Operating System	Windows Server 2016 Windows Server 2019
	Minimum Sizing	Processor: 2Ghz 4 vCPU or equivalent RAM: 16GB
	Compatible Microsoft Databases	SQL Server 2017 SQL Server 2019 SQL Server 2022 (only for SXT, not tested for Comm/Sign)
	32-bit and 64-bit Microsoft DB Connectivity	minimum MS-SQL components: - Client tools Connectivity - Complete management tools
	Compatible Oracle Databases	Oracle 18c Oracle 19c
	32 and 64-bit Oracle connectivity	Oracle client 18.3 for 18c Oracle client 19.3 for 19c Oracle Component to install: SQL*Plus Oracle Net Oracle Connection Manager Oracle ODBC drivers Oracle Provider for OLE DB ODAC

Environment	Type of prerequisite	Prerequisite
Thin Client and Virtualization & Publication Tool (See Appendices)	Remote Desktop Services	Windows Server 2019 and 2022
	XenApp	V6 and later*
	vSphere	V6.7 and later*
	Hyper-V	Windows Server 2019 and 2022*
Sage View & Sign smartphones and tablets	Operating Systems	Apple: iOS 12.2 minimum Android: Android 5.1 minimum
	Validated Terminals	Apple: iPhone 10 iPhone 11 iPhone 12

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

Appendices

Databases

Sage XRT Treasury remains a 32-bit application which operates with 64-bit versions of **Sage XRT Solutions Common Services**, **Sage XRT Solutions Bank Format Library** and **Sage XRT Solutions Advanced Communication & Signature**. The client components for the corresponding DBMS must be installed: 32-bit for **Sage XRT Treasury** and 64-bit for the three others.

Oracle Tablespaces

The following Tablespaces must be created.

Sage Common Services

XRT_DATA: static data, 20 MB by default

XRT_INDEX: 20 MB 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

Important! 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

The 64-bit client must be installed on the server used for create/update database operations (**DBinstaller**).

Virtualization

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

Important! 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:

SageEb_eIDSign_TechnicalScope_Windows

Terminal Server

On **TSE** environments for which the **Remote Desktop Service** role is selected, the **Sage XRT Solutions Common Services** installation may fail and the **Windows Installer** coordinator may be stuck in a message loop.

To solve this problem, we recommend 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 this document:

SXA.2022.R2.Common Services_EN.pdf.

View & Sign

For HTTPS (TLS) operation, the web server must use a certificate issued by a trusted authority approved by the device.

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

MacOS

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

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

SageEb_eIDSign_TechnicalScope_MACOSX

Service Dependency

The following dependencies are recommended:

- LAD Server service for **SCAS**, **SCPS** and **SCDTS** services,
- **XSMonitor** and **XCMonitor** services for LAD Server service.

IIS

In the **Web.config** file for the corresponding site, remove the **security** tag if IIS <= 8.50.

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

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

Windows Server

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**.



