



# Sage XRT Treasury version 4.2.0

## Sage XRT Communication & Signature version 4.2.0

### 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 two 32-bit applications 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*.

## Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	<p><b>Sage XRT Treasury</b> v4.2.0 (32-bit)</p> <p><b>Sage XRT Communication &amp; Signature</b> v4.2.0</p> <p><b>Sage XRT Common Services</b> v5.0.5</p> <p><b>Sage XRT Bank Format Library</b> v4.5.0</p> <p><b>Sage View &amp; Sign</b> 3.0.0</p> <p><b>Sage Eb ComSign Api</b> 4.2</p>
	Versions Interoperability	<p><b>Sage XRT Business Exchange</b> 12.3</p> <p><b>Sage XRT Advanced</b> 2.4.2</p>
	Build No.	<p><b>Sage XRT Treasury</b> 4.2.000.02</p> <p><b>Sage XRT Communication &amp; Signature</b> 4.2.0.385</p>
	Available Languages	<p>French - English - Spanish</p> <p>Portuguese, Italian and German (incomplete localization, unavailable for <b>Sage XRT Communication &amp; Signature</b>)</p>
	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>

# 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 8.0.1410 (64-bit). Required for processing XML files on the station (edit, convert, generate).
	Compatible office suites	Microsoft Office 2016 or Microsoft Office 365
	Validated Browsers	Microsoft Windows 7, 8.1 & 10: <ul style="list-style-type: none"> <li>• Microsoft Edge</li> <li>• Chrome 70 and later</li> <li>• Firefox 63 and later</li> </ul> MAC OS X High Sierra, Sierra & El Capitan: <ul style="list-style-type: none"> <li>• Safari</li> <li>• Chrome 70 and later</li> <li>• Firefox 63 and later</li> </ul> See Mac OS Appendix
	Components not validated	All versions of Microsoft Office 64 bits  Internet Explorer  JRE before v8.0.x

**Compatibility Chart**

	Operating System	Windows Server 2016 See Appendices
Application and/or Publication Server	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-bit)
	Minimum Sizing	4 vCPU 2Ghz processor or equivalent  RAM: 8 GB  Disk Space: 3 GB (Programs)
	Operating System	Windows Server 2016
Server and Database	Minimum Sizing	Processor: 4 vCPU 2Ghz or equivalent  RAM: 8 GB
	Compatible Microsoft Databases	SQL Server 2014  SQL Server 2016  SQL Server 2017
	32-bit Microsoft DB Connectivity	minimum MS-SQL components: <ul style="list-style-type: none"> <li>• Client tools Connectivity</li> <li>• Complete management tools</li> </ul>
	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"> <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> <li>• ODAC 32-bit</li> </ul>
	Terminal Server Edition	Windows Server 2016

# Compatibility Chart

	Operating System	Windows Server 2016 See Appendices
Thin Client and Virtualization & Publication Tool  (See Appendices)	XenApp	V6 and later*
	vSphere	V5.5 and later*
	Hyper-V	Windows Server 2016*
<b>Sage View &amp; Sign</b>  smartphones & tablets	Operating Systems	Apple: iOS 12.2 minimum  Android: Android 5.1 minimum
	Validated Terminals	Apple: <ul style="list-style-type: none"> <li>• iPhone 6</li> <li>• iPhone 7</li> <li>• iPhone 10</li> </ul>

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

# Appendices

## 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

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.

**Warning**: Virtualization may have negative impacts on the applications processing times.



## Appendices

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\_TechnicalScope\_Windows*

### Terminal Server

On **TSE** environments for which the **Remote Desktop Service** 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*

### Service Dependency

The following dependencies are recommended:

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

## Appendices

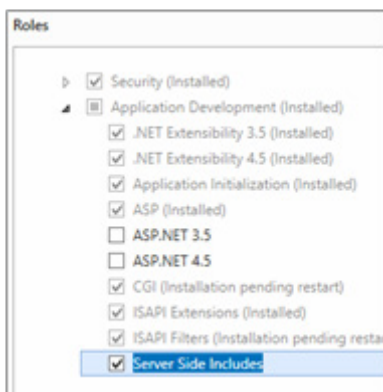
### IIS

In the **Web.config** file for **OnlineBanking**, 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.

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**.



Source : <https://docs.microsoft.com/fr-fr/iis/configuration/system.webserver/serversideinclude>

### View & Sign

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

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