Sage XRT Communication & Signature version 4.2.0

Technical Guidelines

Contents

Foreword

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

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

Note: Web Signature functions fully operate under MAC OSX (see *Mac OS* appendix).

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Sage Software	These prerequisites are designed for	**Sage XRT Communication & Signature** 4.2.0 **Sage XRT Common Services** 5.0.2 **Sage Bank Format Library** 4.4.2 **Sage View & Sign** 3.0.0 **Sage Eb ComSign Api** 4.2
	Versions Interoperability	**Sage Business Exchange** 12.3 **Sage XRT Advanced** 2.4
	Build No.	**Sage XRT Communication & Signature** 4.2.0.385
	Available Languages	French – English – Spanish Portuguese, Italian and German (incomplete localization, unavailable for **Sage XRT Communication & Signature**)
Client Station	Operating System	Windows 8.1 64 bits Windows 10 64 bits MAC 64 bits (only for Signature Web) Screen Resolution: 1440x900 (16:9) or 1280x1024 (4:3) Text size = 125% maximum
	Minimum Sizing	CPU: 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*) Microsoft.IIS.PowerShell
	Optional products	JRE 8.0. 1410 (64 bits) Required if the station processes XML files (edition, conversion, generation)
	Compatible office suites	Microsoft Office 2013 (with most recent Service Pack) or 2016
	Validated browsers:	Microsoft Windows 8.1 &10:

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
Client Station		• Microsoft Edge • Chrome 70 and later • Firefox 63 and later MAC OS X High Sierra, Sierra & El Capitan: • 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 8, 9, 10, 11 JRE 1.7 (all update)
Application and/or Publication Server	Operating System	Windows Server 2012 R2 Windows Server 2016
	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)
	Minimum Sizing	4 vCPU 2Ghz or equivalent RAM: 8 GB Disk Space: 3 GB (Programs)
Server and Database	Operating System	Windows Server 2012 R2 Windows Server 2016
	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: • Client tools Connectivity • Complete management tools
	Compatible Oracle Databases	Oracle 12c

Compatibility Chart

Environment	Prerequisite Type	Prerequisite
	32-bit Oracle Connectivity	Client Oracle (x86) 12.2.0.1.0 minimum Oracle Component to install: • SQL*Plus • Oracle Net • Oracle Connection Manager • Oracle ODBC drivers • Oracle Provider for OLE DB • ODAC 32 bits
Thin Client and Virtualization & Publication Tool See Appendices	Remote Desktop Services	Windows Server 2012 R2 and 2016
	XenApp	V6 and later
	vSphere	V5 and later
	Hyper-V	Windows Server 2012 R2 and 2016
Sage View & Sign smartphones & tablets	Operating Systems	Apple: iOS 12.2 minimum Android: Android 5.1 minimum
	Validated Terminals	Apple: • iPhone 6 • iPhone 7 • iPhone 10

* You must check upward compatibility in the technical recommendations and restrictions provided by the editors

Appendices

Tablespaces

The following Tablespaces must be created.

Sage Common Services

XRT_DATA: static data, 50MB by default

XRT_INDEX: 50MB by default

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.

EBICS TS tokens drivers must be available for bank files transfer by 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 (W2012 R2, and later) 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 **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.

MAC OS

Signature web functions do not operate under *Catalina* (10.15) (validation is in progress).

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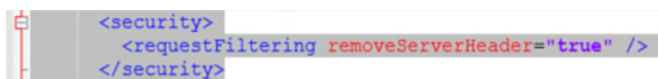
Sage Eb_ eIDSign_TechnicalScope_MACOSX

Services Dependencies

It is recommended to create the following dependencies:

- LAD Server service for SCAS, SCPS and SCDTS services

- XSMonitor and XCMonitor services for LAD Server service

IIS

In the web.config file for OnlineBanking, delete the security tag if IIS <= 8.50.
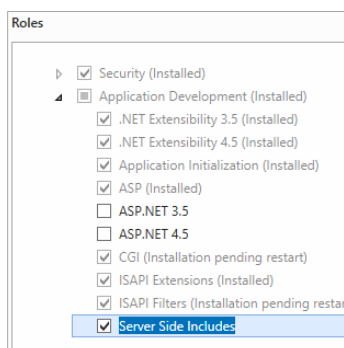
```
<security>
    <requestFiltering removeServerHeader="true" />
</security>
```

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

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**.

Roles

- ▷ ☑ Security (Installed)
- ◢ ▣ Application Development (Installed)
  - ☑ .NET Extensibility 3.5 (Installed)
  - ☑ .NET Extensibility 4.5 (Installed)
  - ☑ Application Initialization (Installed)
  - ☑ ASP (Installed)
  - ☐ ASP.NET 3.5
  - ☐ ASP.NET 4.5
  - ☑ CGI (Installation pending restart)
  - ☑ ISAPI Extensions (Installed)
  - ☑ ISAPI Filters (Installation pending restar
  - ☑ Server Side Includes

Source : https://docs.microsoft.com/en-us/iis/configuration/system.webserver/serversideinclude

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.