

**sage**

# Sage XRT Advanced

Version 2.4

**Setup Guide**



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# Introduction

## Intended Audience

This guide is intended for Technical Administrators who are qualified to set up *Web IIS 10* server, as well as *SQL Server 2016* or *SQL Server 2017*.

This guide also provides the information required to understand the technical aspects of the solution.

It is complementary to the following Technical Guidelines document:

*SXA.2.4.TechicalGuidelines\_EN.docx*

## Important Recommendations

This document presents the installation process for **Sage XRT Advanced** which includes **Reconciliation**, **Bank Delegations** and **Treasury** modules.

We recommend that users follow this order:

1. **Sage XRT Bank Format Library** 2.1.211
2. **Sage XRT Common Services** 3.9.204
3. **Sage XRT Treasury** 4.1.001
4. **Sage XRT Bank Format Library** 4.4.0
5. **Sage XRT Common Services** 5.0.0
6. **Sage XRT Advanced** 2.4.0

**Note:** All applications must be closed before the installation starts. In case you need to install all of these applications, please refer to the setup guide dedicated to each product.

**Sage XRT Advanced** installation must comply with other technical criteria: perusing the corresponding document on the DVD on Sage knowledge base is highly recommended.

If you do not use **Sage XRT Treasury**, you can go straight to step 4 of the recommended installation order.

# First Installation

## Installing Products

### Sage XRT Bank Format Library

**Sage XRT Bank Format Library** is required for the conversion of files to import. It can also generate the remittance files for Treasury Transfers.

### Sage XRT Common Services

**Sage XRT Common Services** is required to operate the two other applications, as it provides the central management of users, access rights and licenses.

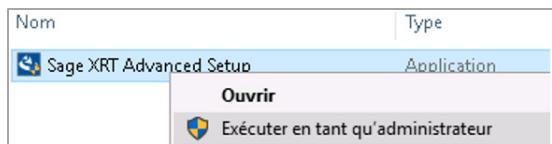
**Note:** You must install version 4.4.0 right after the format library installation as specified in the introduction.

### Sage XRT Advanced

Before starting, make sure you have met all the prerequisites specified in *SXA.2.4. TechnicalGuidelines\_EN.pdf*. Otherwise, install the missing elements.

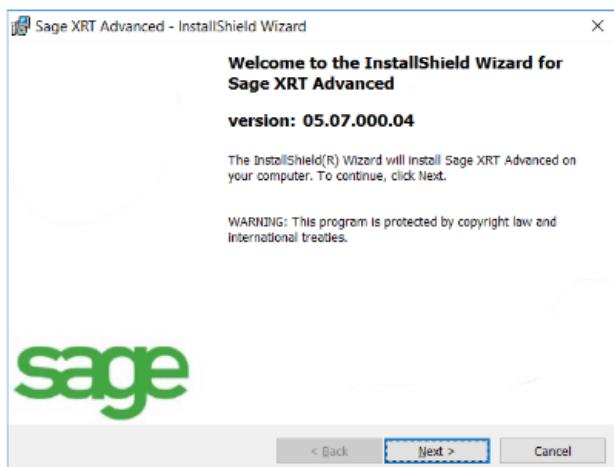
The default port for **Sage XRT Advanced** installation is **88**.

1. Browse the **Products** folder on the DVD and select the *Sage XRT AdvancedSetup.exe*. Launch it selecting the option **Execute as an administrator** available from the contextual menu by right click.

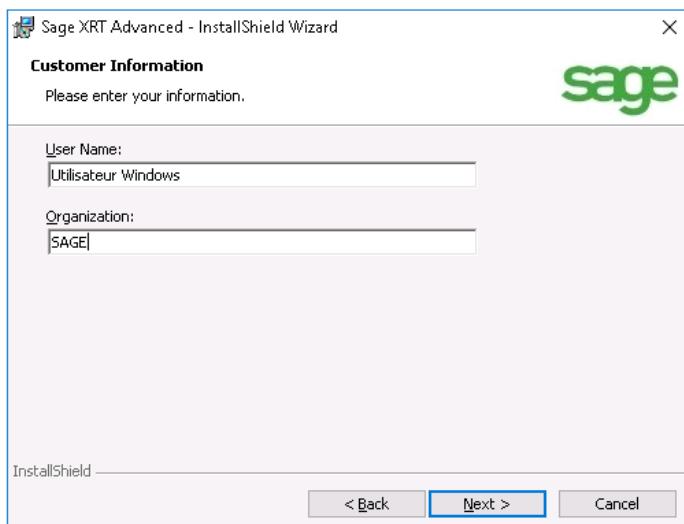


## First Installation

The welcome screen of the setup wizard is displayed.



The Customer Information window is displayed.

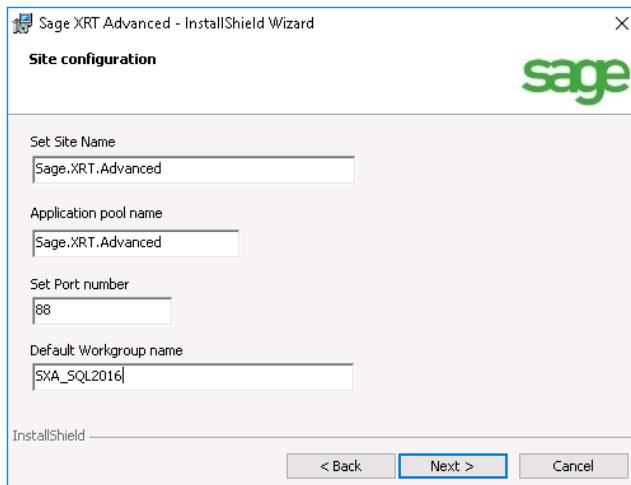


2. Enter and edit the required information (user name and company name), then click the **Next** button.

## First Installation

You must now set up the site.

3. In the next window, enter the **Application pool name**, the port number (**Set Port Number**) and the **Default Workgroup name**.



**Important!** If you want to modify names, remember that neither space nor ASCII character are allowed. In this case, keep the same name for the site and the application pool.

4. Click **Next**.
5. In the **Security Code** window, specify the code.



**Important!** Sage XRT Advanced enables the safe storage of various document types, such as ID Documents or Signatures. The default Security Level provides encryption for all user data on the database.

**Default Security Level:** Enter **default**. The application generates and uses a code that is already defined (not editable). This possibility is simple since no password has to be kept.

## First Installation

**Customized Security Level:** Enter a value consisting of at least 10 symbols and/or characters.

The security code and password which generate the encryption key, are defined by the client and, as such, are confidential.

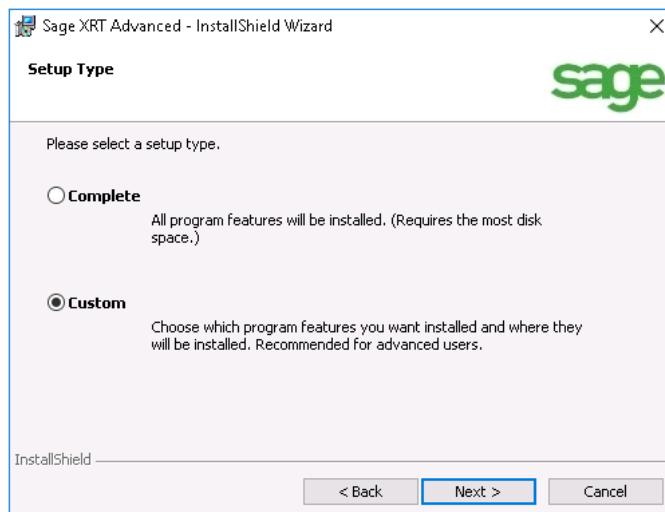
These data must be safely stored by the client. They are crucial to database restoration, re-installation on another server, and encryption modification for security reasons.

**Important!** Losing the security code and/or password can lead to data loss!

### 6. Select the installation type: **Complete** or **Custom**.

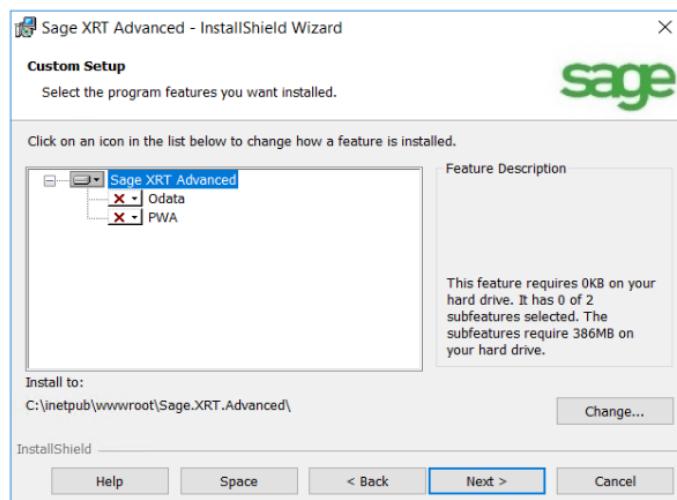
Complete is a standard installation. All components are installed.

Custom is a customized installation reserved for advanced users, it enables for example the specific setup of different paths and the installation of the applications that manage the synchronization.



### 7. Click **Next**.

With the custom installation, the list of the programs to install appears.



## First Installation

### 8. Select your options.

To disable the installation of an option, click the corresponding  icon and select **This feature will not be available**: this icon **X** is displayed as illustrated above.

Conversely, click **X**, then **This feature, and all subfeatures, will be installed on local hard drive** to enable the programs you want.

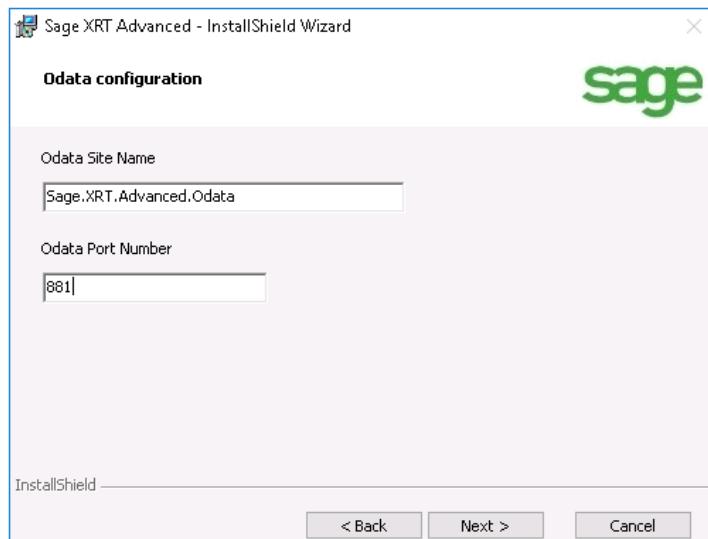
### 9. Click **Change** to change the installation path.

This must be done for every application.

**Note:** **Odata** service is crucial to the synchronization of data between **Sage XRT Treasury** and **Sage XRT Advanced**. This Service is included into the complete installation.  
**PWA** service is required to view certain info elements on mobiles or tablets (restricted access to functions).

### 10. Click **Next**.

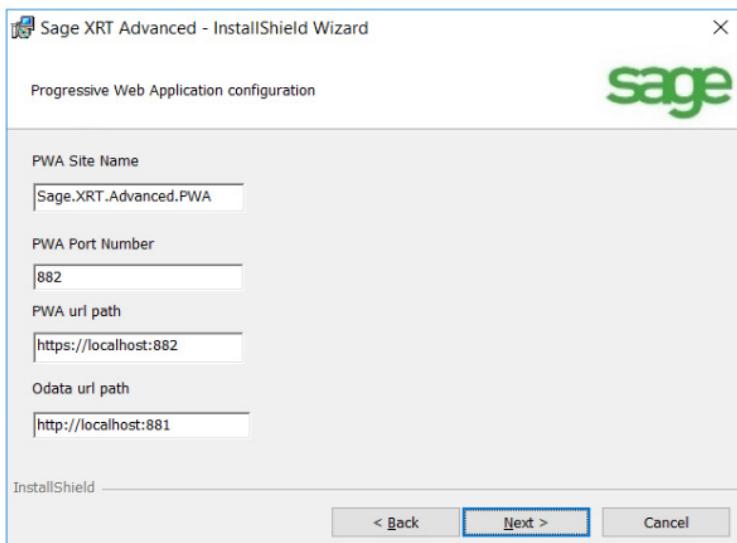
In the new window **Odata Configuration**, modify or validate the information related to **Odata** service: **Odata Site Name** and **Odata Port Number**.



### 11. Click **Next**.

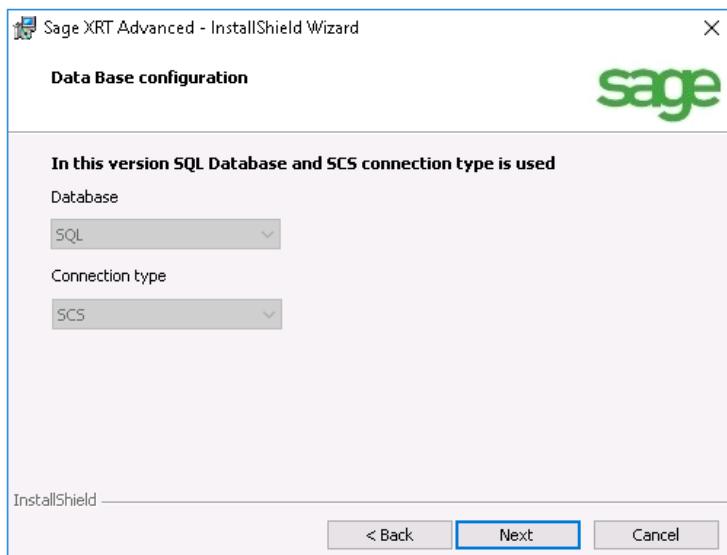
In **Progressive Web Application configuration** window, modify or validate the details linked to the mobile service: **PWA Site Name**, **PWA Port Number**, **PWA url path** which is secured, and **Odata url path** which must correspond to the previous window URL.

## First Installation



12. Click **Next**.

The window recaps the database type i.e. SQL and the connection type used i.e. **SCS**.

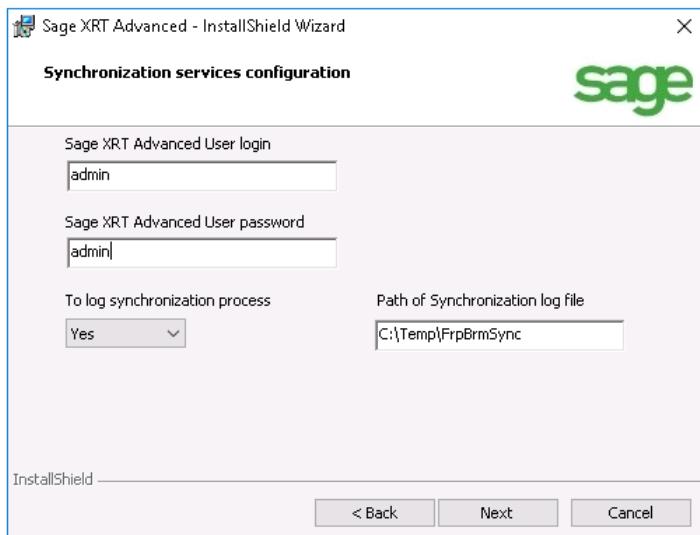


**Note:** For now, the product cannot use *Oracle* databases.  
Users are those defined in **Sage XRT Common Services**.

13. Complete the configuration settings for the synchronization service.

**Note:** This info is mandatory for the complete installation. For **Custom** Mode, you must specify the configuration settings but only when the **Odata** option has been enabled.

## First Installation

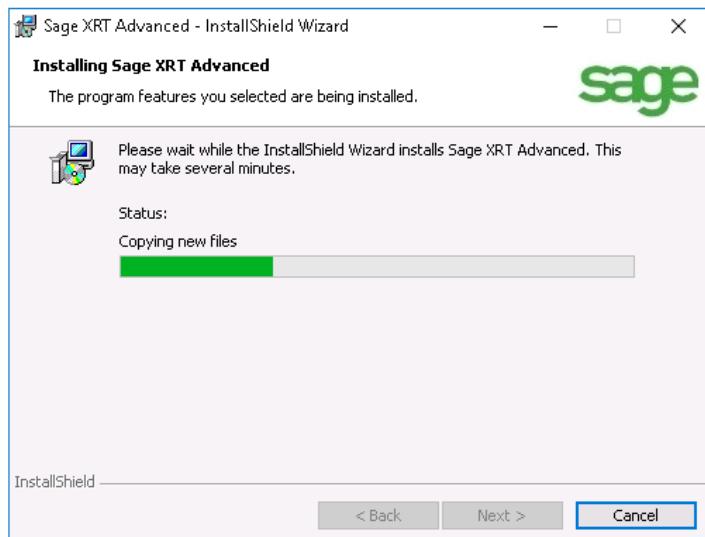


- **Sage XRT Advanced User login:** Login for **Sage XRT Advanced** (which corresponds to a Level 1 Administrator for **Sage XRT Common Services**).
- **Sage XRT Advanced User password:** Password for **Sage XRT Advanced** (which corresponds to a Level 1 Administrator for **Sage XRT Common Services**).
- **To log synchronization process:** Enable/disable sync log. We recommend you leave this option activated.
- **Path of Synchronization log file:** Log file path.

**Note:** The **Sage XRT Common Services** user entered to use the synchronization process of **Sage XRT Advanced** (admin in the example), must have the proper rights to create all the setup. You must add these authorizations to the **Role** of the user.

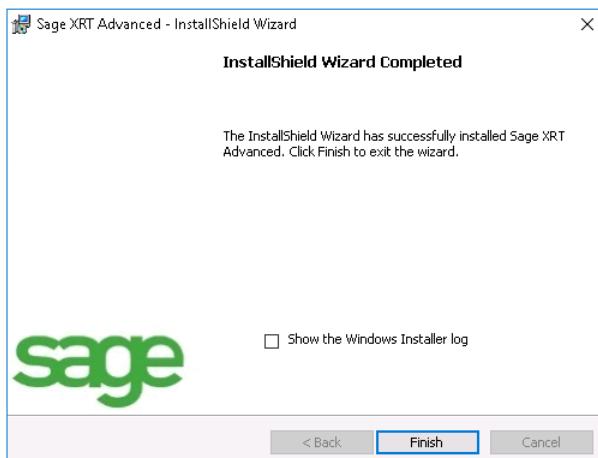
The application is now ready to be installed.

14. Click **Next**.



## First Installation

A progression bar enables you to follow the progress of the installation process.



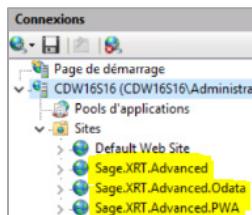
15. Click **Finish** to terminate the installation.

## Checking Website on Server

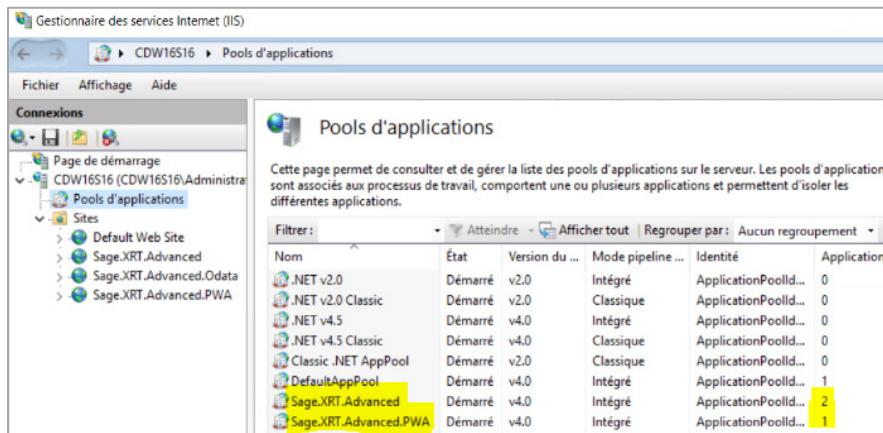
1. Start **Internet IIS Service Manager** through Windows **Administration Tools**.

The website you previously created appears in the list: **Sage.XRT.Advanced**.

**Sage.XRT.Advanced.Odata** and **Sage.XRT.Advanced.PWA** websites also appear if you used the complete installation or the custom one with the **Odata** and **PWA** options.

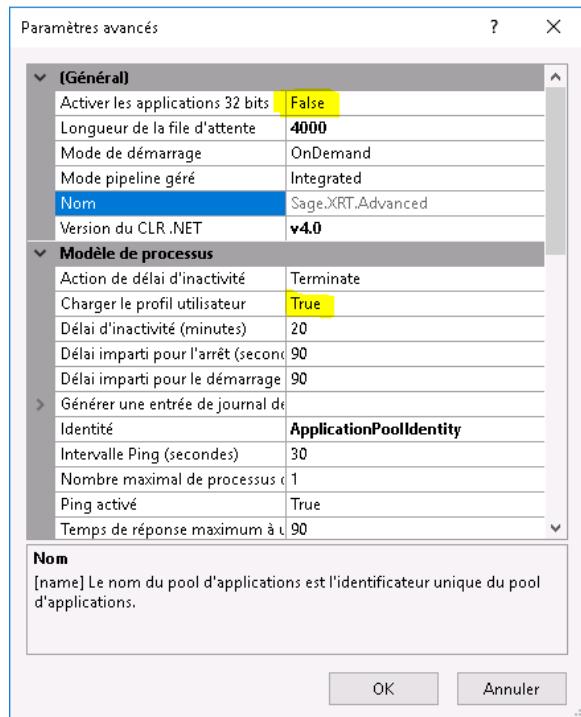


2. Go to the **Application Pools**.



## First Installation

3. Select the application pool as specified above and click **Advanced Parameters** from the contextual menu available by right click.



4. Two actions are mandatory: In the **General** section, check whether **Enable 32bits Applications** is set to False. In the **Process Model** section, change the value of **Load User Profile** from **False** to **True**.
5. Click **OK** to save your changes.

## Databases and Users

To continue with **Sage XRT Advanced** installation, two databases must be added whereas the workgroup must be set up.

Go to the Administration Console of **Sage XRT Common Services 5.0.0: Administration Sage .NET**, select **Manage Workgroups** and click **OK**.

Expand the workgroup defined for **Sage XRT Common Services** databases and apply the process described in the following paragraphs.

**Important!** As of version 4.2 for **Sage XRT Common Services**, **Sage XRT Advanced** and **Sage XRT Treasury** databases must belong to different workgroups since versions differ: version 3.9 for 32-bit applications and version 4 or 5 minimum for 64-bit applications. You may have to duplicate **Sage XRT Common Services** database in **Sage XRT Advanced** workgroup.

## First Installation

### Adding Databases

The default location of scripts remains the same as for **Sage XRT Common Services**:  
C:\Program Files\Common Files\xrt\DBMS\SQLServer\NewDatabase

The two databases to add to **Sage XRT Advanced** are:

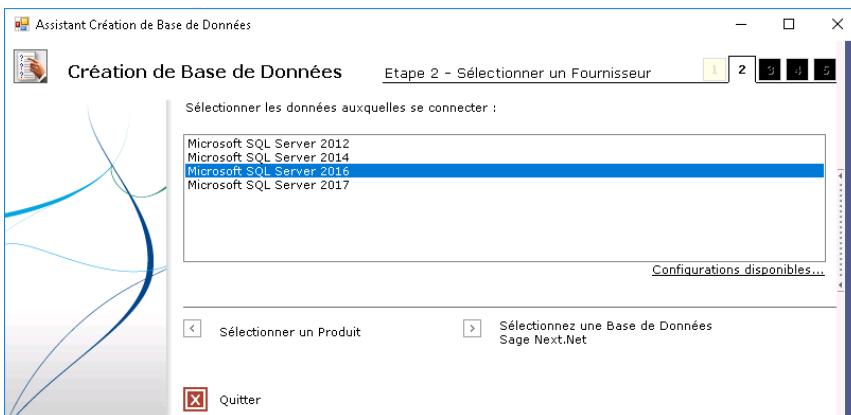
#### Sage Next.Net

#### Sage Next FRP Staging (synchronization database)

1. Click **Database** and select Add a Product Database.
2. Select **Sage Next.Net** product.

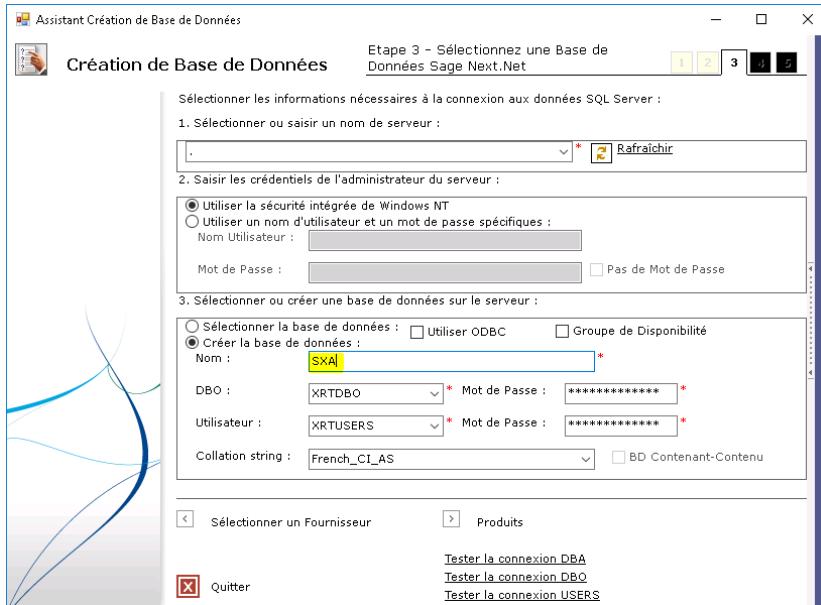


3. Click **Select a Provider**. Select the Provider.



## First Installation

4. Click **Select Sage Next.Net Database**. Specify the server, connection settings as well as any additional details linked to this new database.



5. Click **Products**.

The next window recaps the characteristics for the Product database to be created.



You may now change the installation directory for the database files (**Location**).

6. Click **Creating/Modifying Models**.

The list of the scripts to be used is displayed.

## First Installation



### 7. Click **Validate all steps**.

The result of the database creation is displayed.



### 8. Click **Add a Product Database** and repeat this process with **Sage Next FRP Staging** (sync base).

### 9. Click **Finish** and close the wizard.

At the end of this process, the databases clearly appear under your workgroup.

Produit	Fournisseur	Source de Données	Catalogue Initial
Sage XRT Common Services	Microsoft SQL Server 2016	CDW16S16	SCS64
Sage Next.Net	Microsoft SQL Server 2016	CDW16S16	SXA
Sage Next FRP Staging	Microsoft SQL Server 2016	CDW16S16	SXA_SYNC

## First Installation

### Windows Services for Synchronization

Installing **Sage XRT Treasury** is required for the synchronization with **Sage XRT Advanced**.

Install **Sage XRT Treasury** after you installed **Sage XRT Bank Format Library 2.1.211**, then **Sage XRT Common Services 3.9.204**.

For this installation, select the **Custom** mode to make the future synchronization possible through the installation option: **XRT WCF Services** (see **Sage XRT Treasury** Installation Guide).

**Note:** **Sage XRT Treasury** workgroup must differ from **Sage XRT Advanced** one, since **Sage XRT Common Services** database cannot be shared: Build numbers for 32-bit (3.9) and 64-bit (5.0) versions are now different for this application.

The automatic synchronization is only available from **Sage XRT Treasury** to **Sage XRT Advanced**. The setup data are the ones to be automatically synchronized (**Companies** and **Accounts** for example).

**Important!** Every account saved in **Sage XRT Treasury** must be identified by a local Account ID. However, specifying the IBAN Acct Ids is recommended as they are to be used in **Sage XRT Advanced**.

Two services and one website enable the synchronization between the applications:

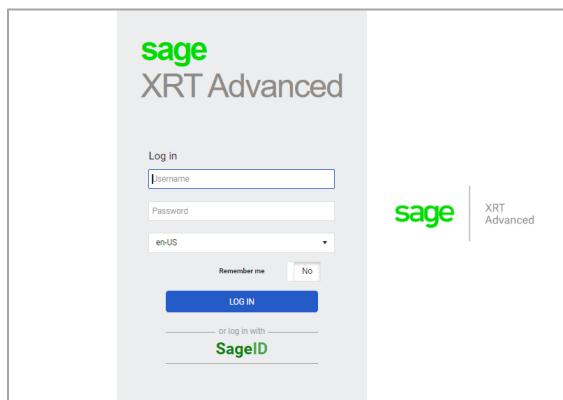
- *XuWcfServicesHost* service installed by **Sage XRT Treasury**
- *Sage.Next.BatchTasks* service installed by **Sage XRT Advanced**
- *Sage.XRT.Advanced.Odata* website installed by **Sage XRT Advanced**

Elements of the first service *XuWcfServicesHost* only must be completed. The settings for the second service have been defined during the installation.

The application must be restarted so that the modifications are taken into account.

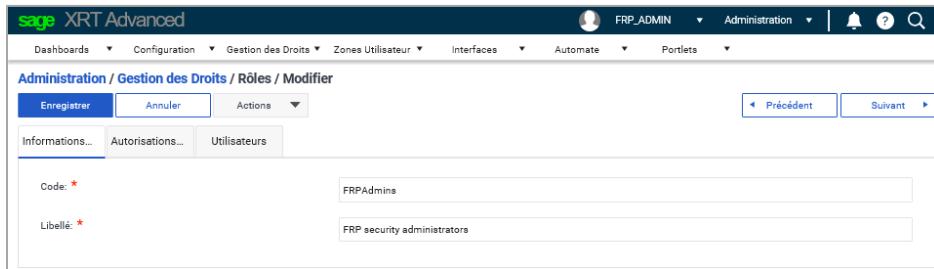
The settings defined during **Sage XRT Advanced** installation are required: Specification of a Level 1 Administrator for **Sage XRT Common Services** (**admin** in the example).

1. Go to **Sage XRT Advanced** using the link: [http://\[Web Server Name\]:\[port\]](http://[Web Server Name]:[port]).

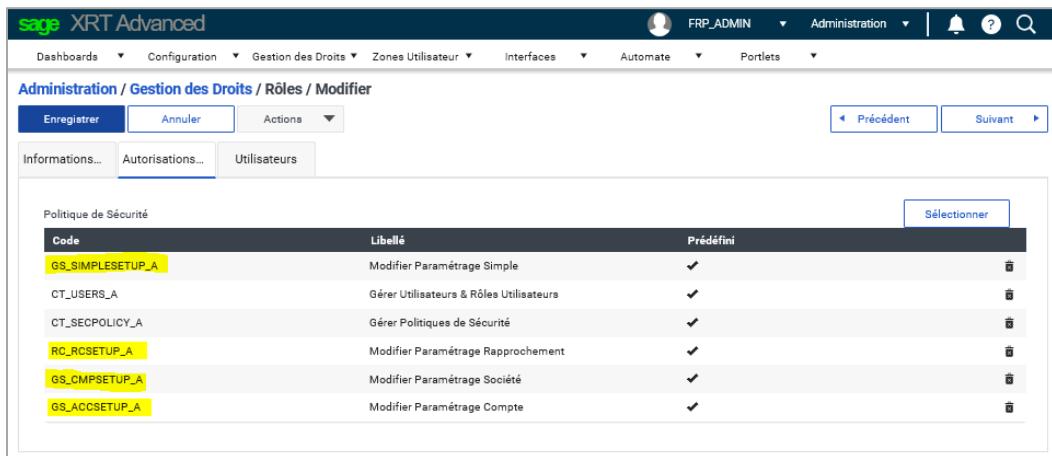


## First Installation

2. In **Administration – Right Management – User Role**, open the **FRPAdmins** role by clicking the modification icon (the pencil before the code), then go to Access Rights.



3. From **Security Policy**, select all the lines ending by **SETUP\_A** (a total of four so far, appearing on various pages).

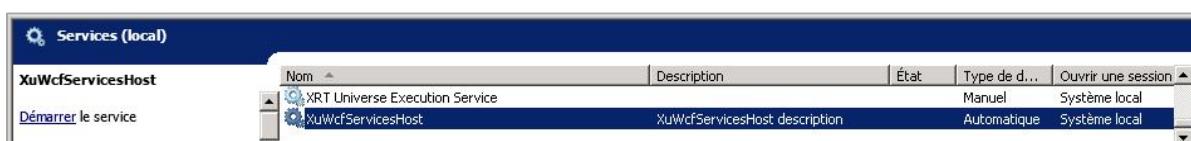


4. Validate the selection by clicking **Accept**, then terminate the role modification by clicking **Save**.
5. Restart manually **Sage.Next.Batch Tasks (Sage.XRT.Advanced)**.

You can make sure the synchronization works properly by checking the log file located in **C:\Temp\FrpBrmSync\Log** (or the path defined in the configuration file).

## Sage XRT Treasury WCF

This service is created during the custom installation of **SAGE XRT Treasury** under the name **XuWcfServicesHost**, it is automatically started.



## First Installation

In the configuration file of this service, you must enter all the elements enabling the service to connect to the workgroup defined in **Sage XRT Common Services**, as well as the username to be used.

1. In Windows explorer, go to: **C:\Program Files (x86)\Sage\FRP\Treasury\xunet**.
2. Edit the file **XUHost.WcfServices.exe.config** with an application such as Windows **Notepad** in administration mode.
3. Complete the values in red between quotation marks, like in the example:

```
<appSettings>
<add key="WorkgroupName" value="SXT_SQL2016"/>
<add key="XuUserName" value="admin"/>
```

**Note:** The user defined for **XuUserName** must be a level-1 administrator in **Sage XRT Common Services** with all access rights (**admin** in the example).

4. Save, quit and restart the service manually.

## Data Encryption

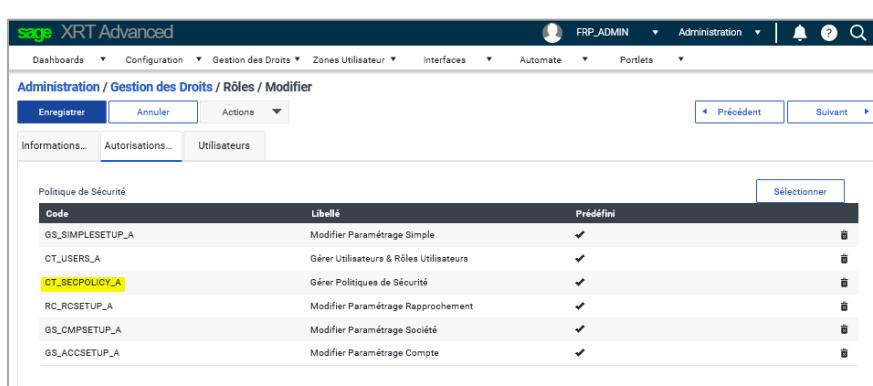
This password identification is mandatory to ensure a high security level.

The password must be entered to complete the encryption key which enables the attachment of documents in the setup and to perform file import.

Three steps are required.

The first step consists in checking whether the user has the proper rights to proceed.

1. In **Sage XRT Advanced – Administration – Right Management – User Role**, modify the **FRPAdmins** role, and go to Access Rights.  
Check the presence of the security policy called: **CT\_SECPOLICY\_A**. If it does not exist, select it from the list.
2. Then click **Validate**.



## First Installation

3. Check the presence of the **Security Policy** called: **CT\_SECPOLICY\_A**. Go to **Administration – Right Management – Security Policy**.

Code	Libellé	Prédefini
GS_SIMPLESETUP_R	Afficher Paramétrage Simple	✓
GS_SIMPLESETUP_A	Modifier Paramétrage Simple	✓
AA_LETTER_A	Gérer Lettres Autorisation Compte	✓
AA_LETTER_R	Afficher Lettres Autorisation Compte	✓
CT_USERS_A	Gérer Utilisateurs & Rôles Utilisateurs	✓
CT_USERS_R	Afficher Utilisateurs & Rôles Utilisateurs	✓
AA_ACCAUTH_R	Afficher Autorisation Compte	✓
CS_RECON_A	Gestion Rapprochement	✓
AA_ACCAUTH_A	Gérer Autorisation Compte	✓
CS_RECON_R	Visualiser Rapprochement	✓
CT_SECPOLICY_R	Afficher Politiques de Sécurité	✓
GS_CMPSETUP_R	Afficher Paramétrage Société	✓
CT_SECPOLICY_A	Gérer Politiques de Sécurité	✓
RC_REPORT_A	Gérer Reporting Rapprochement	✓

4. Then go to **Administration – Configuration – Platform Management** and in the **Security** tab.

Administration / Configuration / Gestion de la Plateforme / Créer			
<input type="button" value="Enregistrer"/> <input type="button" value="Annuler"/> <input type="button" value="Enregistrer et Modifier"/>			
Application	Base de Donn...	Outils	Security
Mot de passe Clé de cryptage			
Utiliser Mot de Passe par défaut:	<input type="radio" value="Non"/>		
Nouveau Mot de Passe:	<input type="text"/>		
Confirmer Mot de Passe:	<input type="text"/>		

5. Switch the button to **Yes** and click **Save**. If you want to, specify a new password in the two corresponding fields.

The password must be remembered for future use, if **Sage XRT Advanced** Database linked to **Sage.XRT.Advanced** site, has to be redeployed on a new server, or if a modification in the database encryption key is required.

**Important!** The security code and password which generate the encryption key, are defined by the client and, as such, are confidential. These data must be safely stored by the client. They are crucial to database restoration, re-installation on another server, and encryption modification for security reasons.

**Losing the security code and/or password can lead to data loss!**

## Installation - Update mode

### Installing Products

Since version 2.1, our applications (**Sage XRT Bank Format Library**, **Sage XRT Common Services**, **Sage XRT Advanced**) are in 64 bits.

We strongly recommend you un-install/re-install instead of using update mode installations.

**Important!** Make sure you have backed up your database before proceeding with these updates, with or without synchronization with **Sage XRT Treasury**. Here is the list of the databases to back up:

- **Sage XRT Common Services (32 and 64-bit)**
- **Sage XRT Treasury**
- **Sage Next.Net**
- **Sage Next FRP Staging**

### Sage XRT Bank Format Library

Update your format library by uninstalling **Sage XRT Bank Format Library** 2.1.2xx and installing **Sage XRT Bank Format Library** 4.4.0.

**Note:** If you perform the sync with **Sage XRT Treasury**, keep a 32-bit version of **Sage XRT Bank Format Library** and **Sage XRT Common Services**. 32-Bit and 64-bit versions can co-exist.

### Sage XRT Common Services

Update your **Sage XRT Common Services** by uninstalling version 3.9.20x and installing **Sage XRT Common Services** 5.0.0.

**Note:** If you perform the sync with **Sage XRT Treasury**, keep a 32-bit version of **Sage XRT Bank Format Library** and **Sage XRT Common Services**. 32-Bit and 64-bit versions can co-exist.

### Sage XRT Advanced

Before starting, make sure you have met all the prerequisites specified in *SXA.2.4.TechnicalGuidelines\_EN.pdf*. Otherwise, install the missing elements.

This is a two-step process:

1. Uninstall the previous version (4.00.x or 5.0x) via **Programs** in the **Control Panel**.
2. Install **Sage XRT Advanced** 2.4 just like a first installation (see the previous chapter).

**Important!** Do not use **Sage XRT Advanced** Installation Update Mode. This mode may be unstable.

## Databases and Users

Two **Sage XRT Advanced** databases must now be updated in the workgroup.

1. Go to **Sage XRT Common Services** Administration Console i.e. **Administration Sage .NET**
2. Select the corresponding workgroup and click **+** to expand it along with the databases.

## Updating the databases

1. Select **Sage Next.Net** database and click the action: **Check Database**.

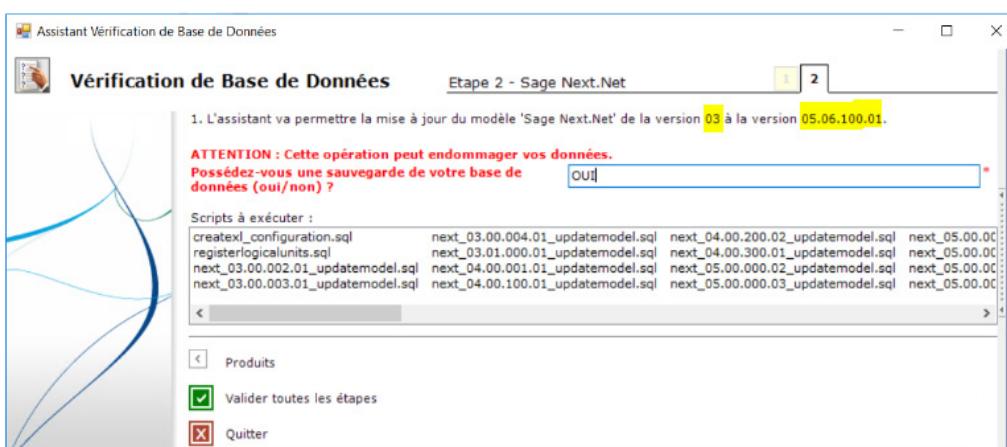
### Step 1 – Products



This window helps you to identify the current version.

2. Click **Sage Next.Net**.

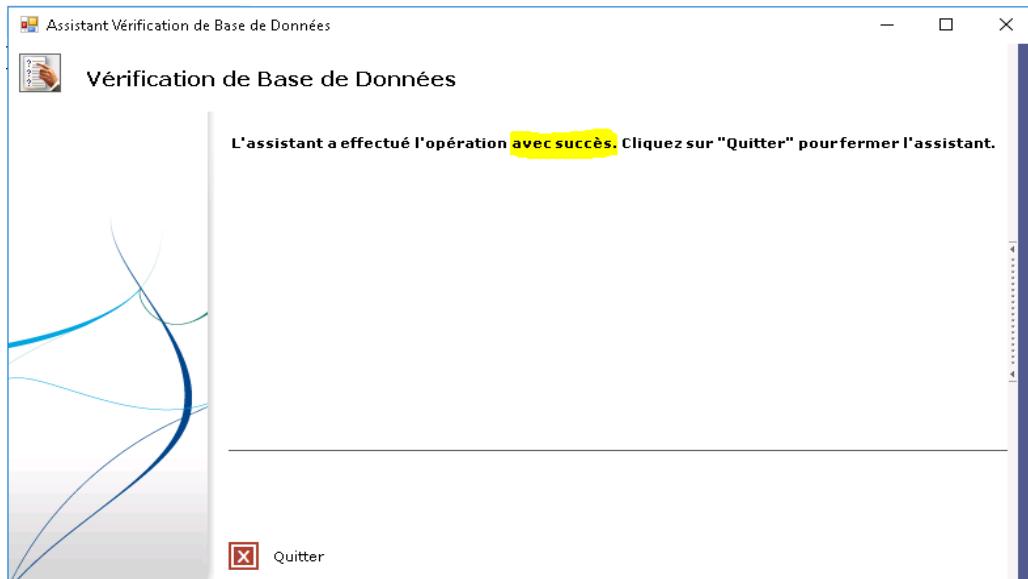
### Step 2 – Sage Next.Net



3. Click **Validate all steps**.

## Installation - Update mode

The result of the database update is displayed.



4. Click **Finish** to close the wizard.
5. Repeat this operation to update the synchronization database: **Sage Next FRP Staging**.