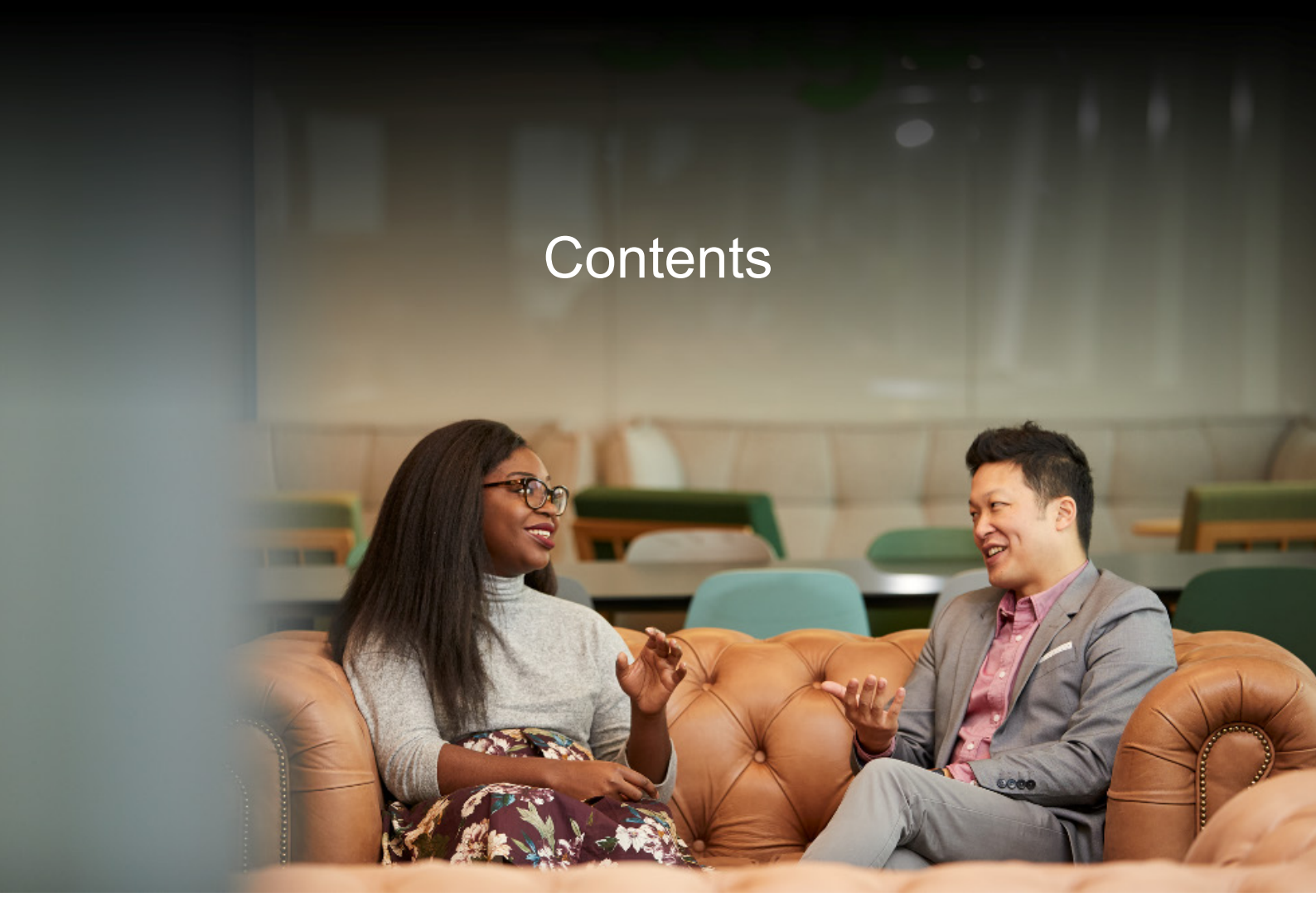
Sage XRT Advanced

Version 2.4.3

Setup Guide

Contents



Introduction **4**

Intended Audience 4

Important Recommendations 4

First Installation **5**

Installing Products 5

Sage XRT Bank Format Library 5

Sage XRT Common Services 5

Sage XRT Advanced 5

Checking Website on Server 13

Databases 15

Adding Databases 15

Service and Certificate 18

Service 18

Certificate 18

Windows Services for Synchronization 22

Sage XRT Treasury WCF 24

Data Encryption 24

Installation - Update mode 27
Installing Products 27
Sage XRT Bank Format Library 27
Sage XRT Common Services 27
Sage XRT Advanced 27
Databases and Users 28
Updating the databases 28

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.2.4.3.TechnicalGuidelines_EN.docx

Important Recommendations

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

We recommend that users follow this order:

1. **Sage XRT Bank Format Library** 4.5.1
2. **Sage XRT Common Services** 5.0.5
3. **Sage XRT Treasury** 4.2.0
4. **Sage XRT Advanced** 2.4.3

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.

©Sage 2020

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.

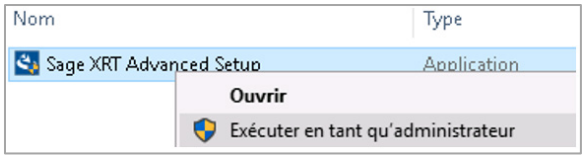
Note: You must install version 5.0.5 right after the format library installation as specified in the introduction.

Sage XRT Advanced

Before starting, make sure you have met all the prerequisites specified in *SXA.2.4.3.TechnicalGuidelines_EN.pdf*. Otherwise, install the missing elements.

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

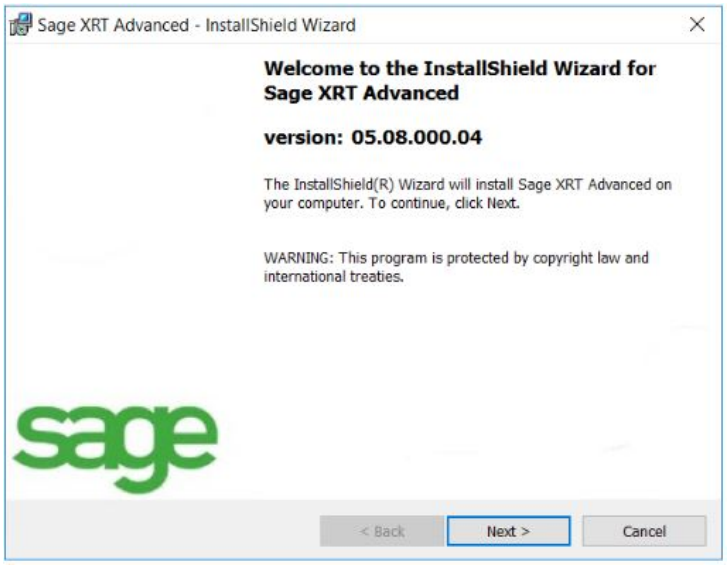
1. Browse the **Products** folder on the DVD and select the *Sage XRT AdvancedSetup.exe*. Launch it selecting the option **Execute as an administrator** available from the contextual menu by right click.



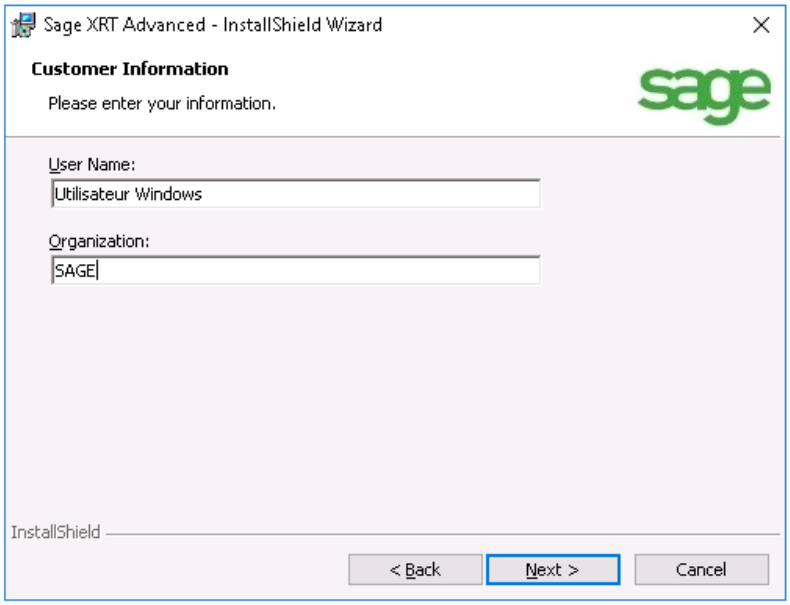
©Sage 2020

First Installation

The welcome screen of the setup wizard is displayed.



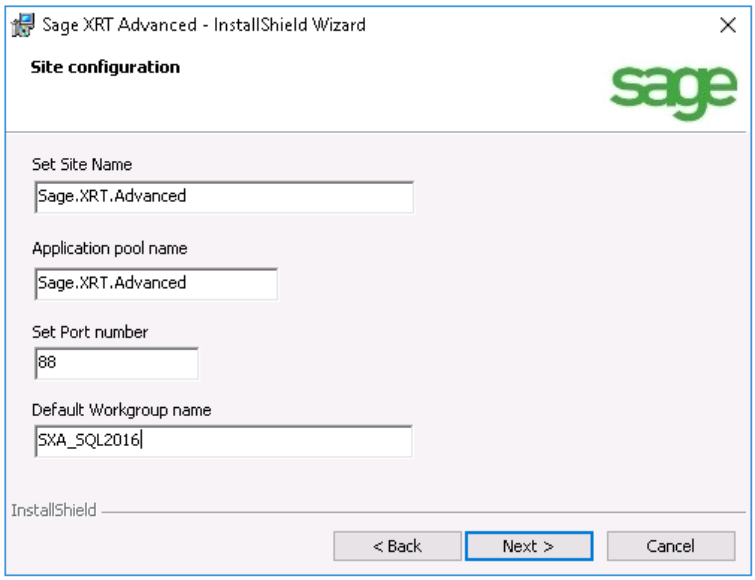
The Customer Information window is displayed.



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

You must now set up the site.

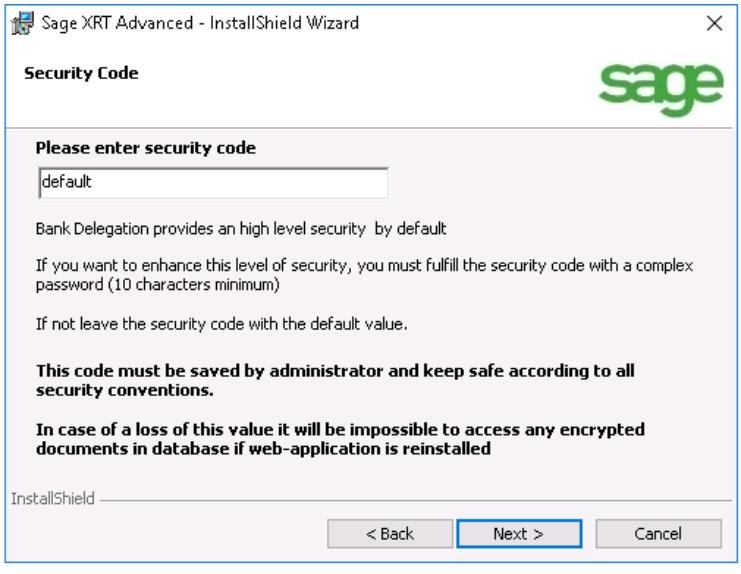
3. In the next window, enter the **Application pool name**, the port number (**Set Port Number**) and the **Default Workgroup name** (Tenant).



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.

©Sage 2020

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.

Customized Security Level: Enter a value consisting of at least 10 symbols and/or characters (accented characters are prohibited).

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

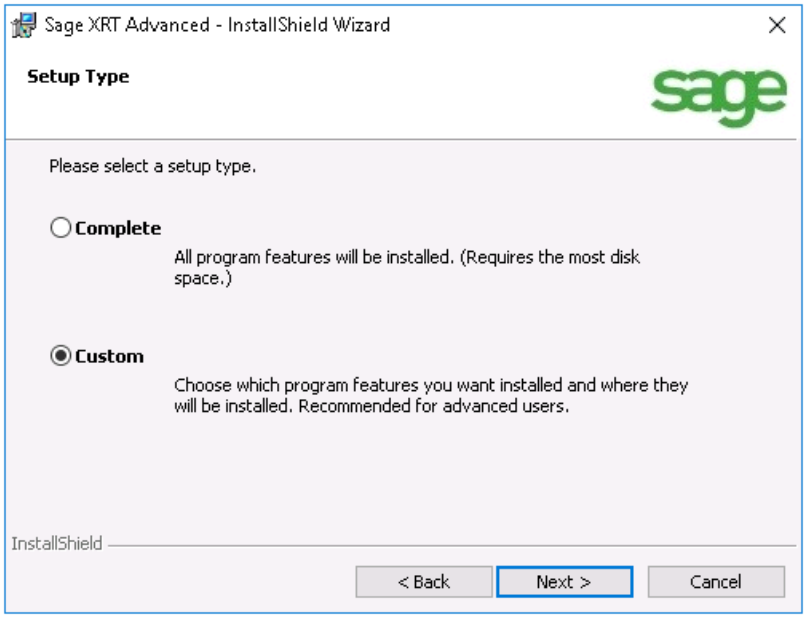
These data must be safely stored by the client. They are crucial to database restoration, re-installation on another server, and encryption modification for security reasons.

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.

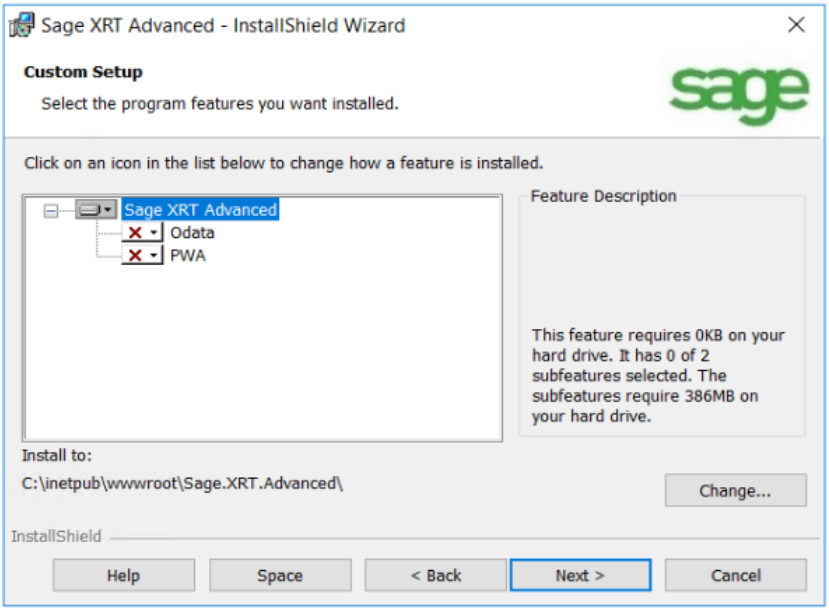
   Custom is a customized installation reserved for advanced users: it enables for example the specific setup of different paths and the selection of applications to install.



7. Click **Next**.

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

©Sage 2020



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.

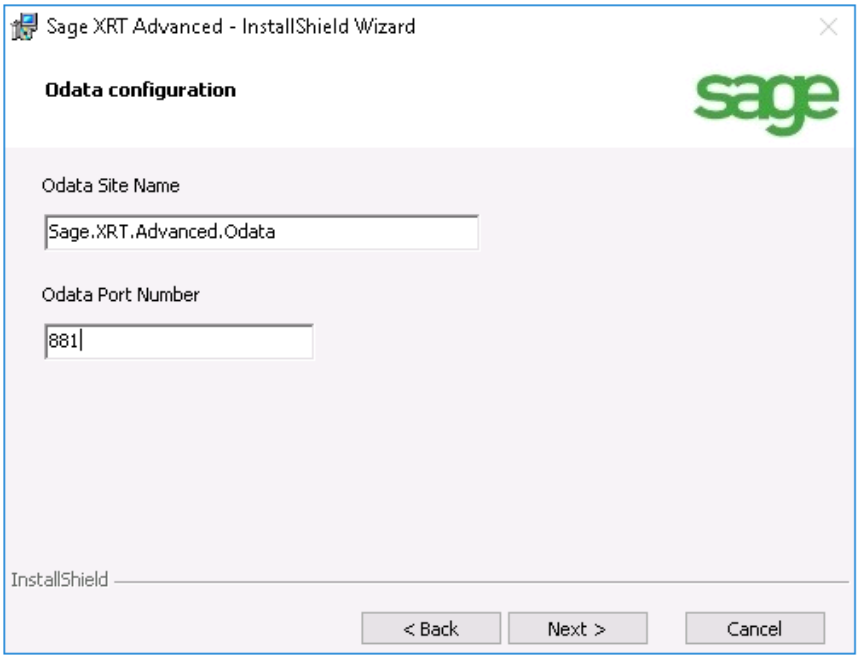
Note: **Odata** service is crucial to the synchronization of data between **Sage XRT Treasury** and **Sage XRT Advanced**. This Service is included into the complete installation.
PWA service is required to view certain info elements on mobiles or tablets (restricted access to functions).

Important! The default path is the one used for IIS web applications.. The final section of the path corresponds to the names defined for the web site and the application pool, as defined at step 3. It is recommended that you do not rename this part, in order to keep your installation consistent.

10. Click **Next**.

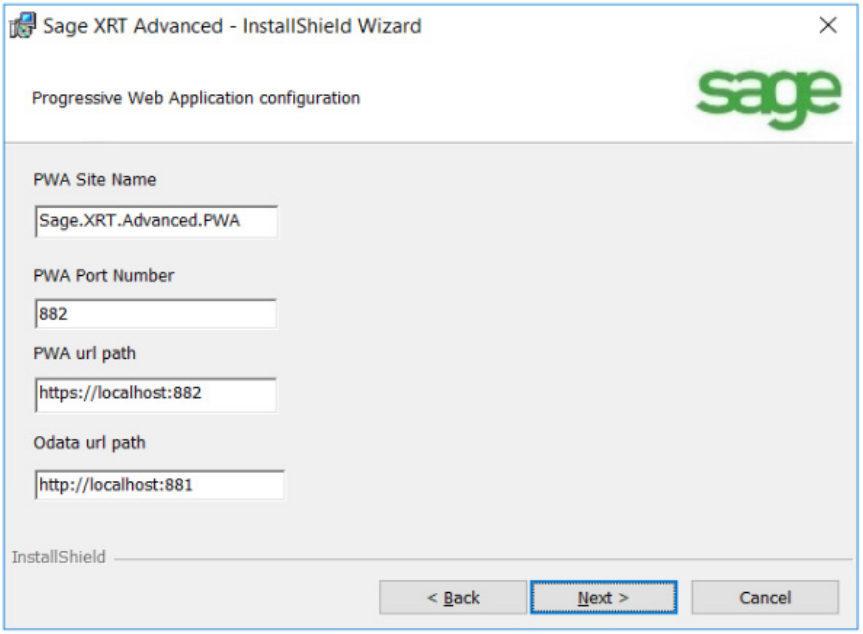
©Sage 2020

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**.

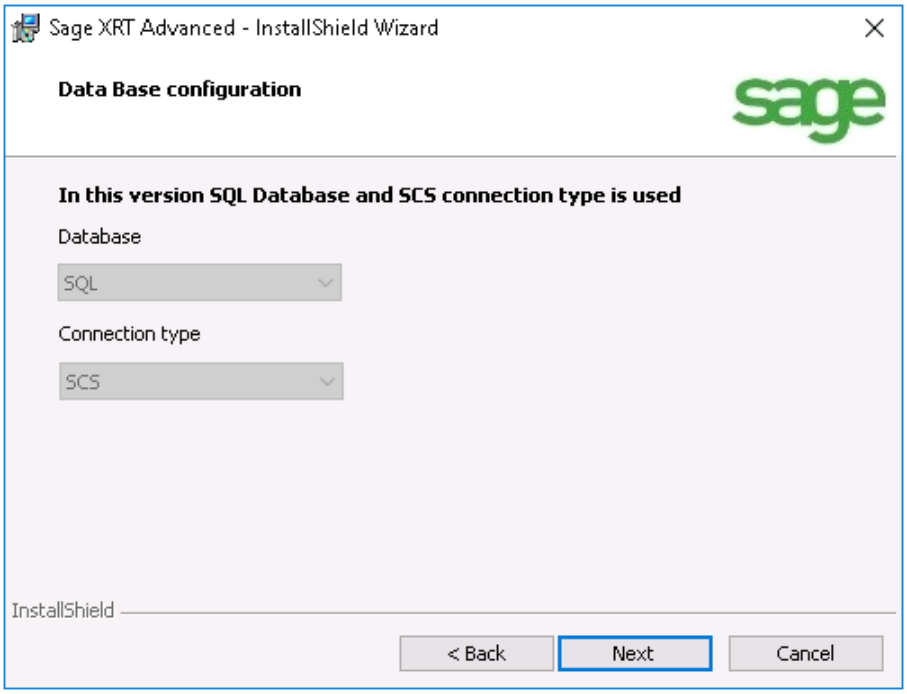
In **Progressive Web Application configuration** window, modify or validate the details linked to the mobile service: **PWA Site Name**, **PWA Port Number**), **PWA url path** which is secured, and **Odata url path** which must correspond to the previous window URL.



12. Click **Next**.

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

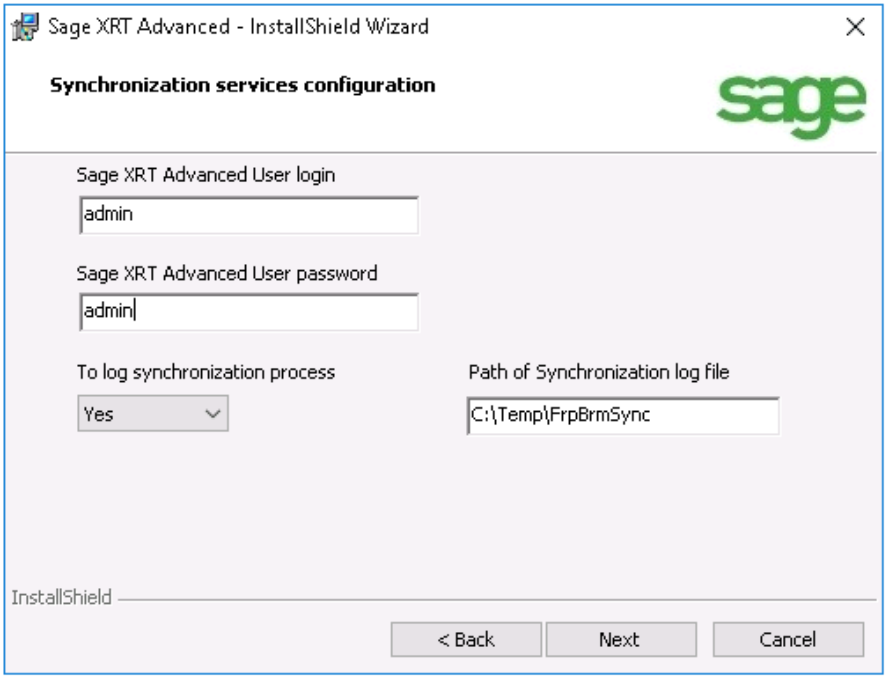
©Sage 2020



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

13. Specify the configuration settings for the **Odata** web site (used for synchronization).

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.



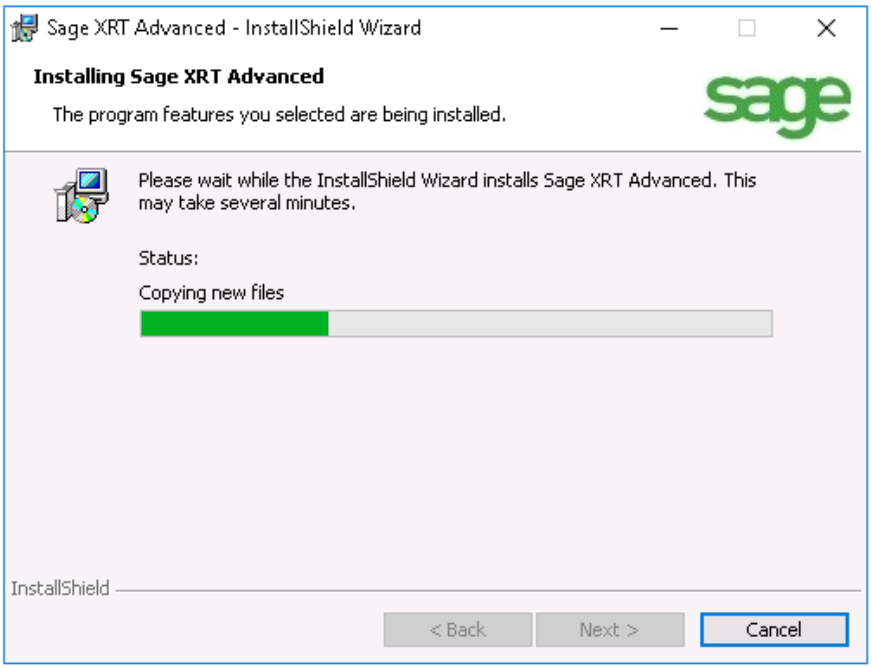
©Sage 2020

- **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** in **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.

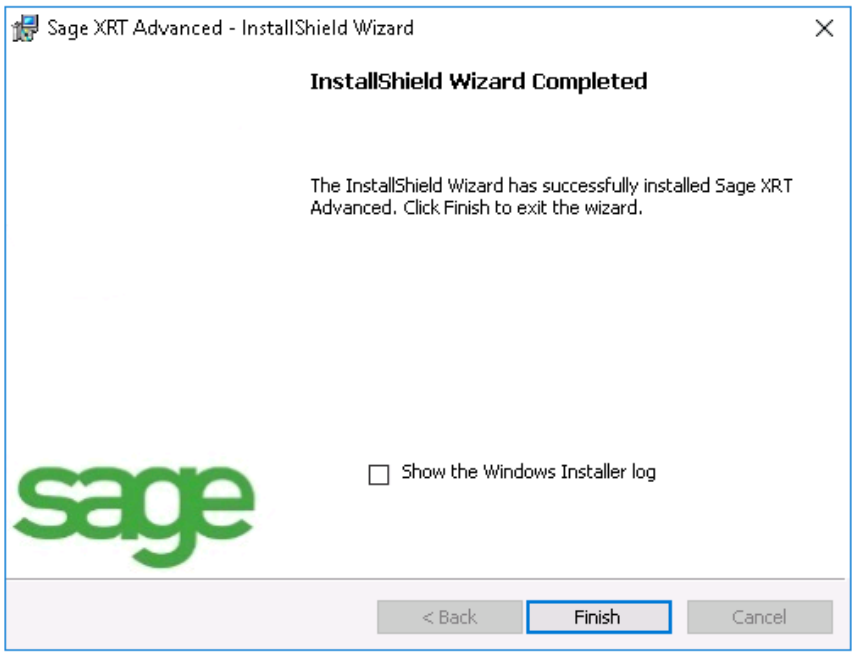
The application is now ready to be installed.

14. Click **Next**.



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

©Sage 2020



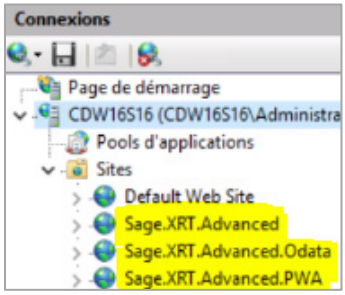
15. Click **Finish** to terminate the installation.

Checking Website on Server

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

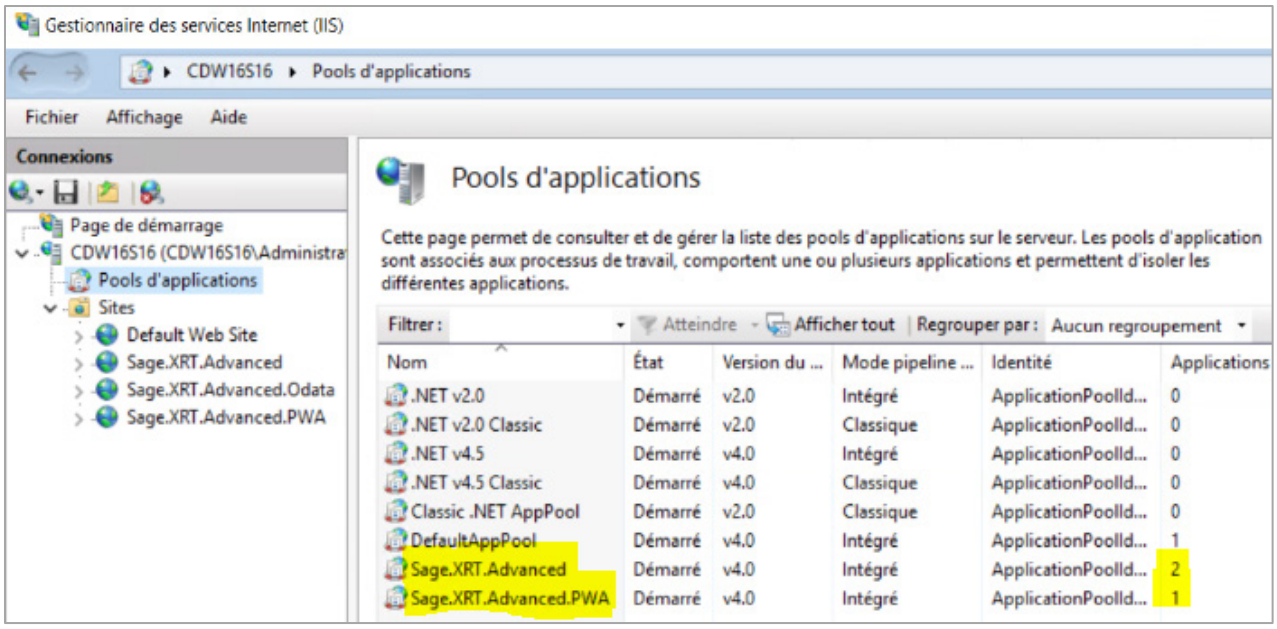
The website you previously created appears in the list: **Sage.XRT.Advanced.**

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.

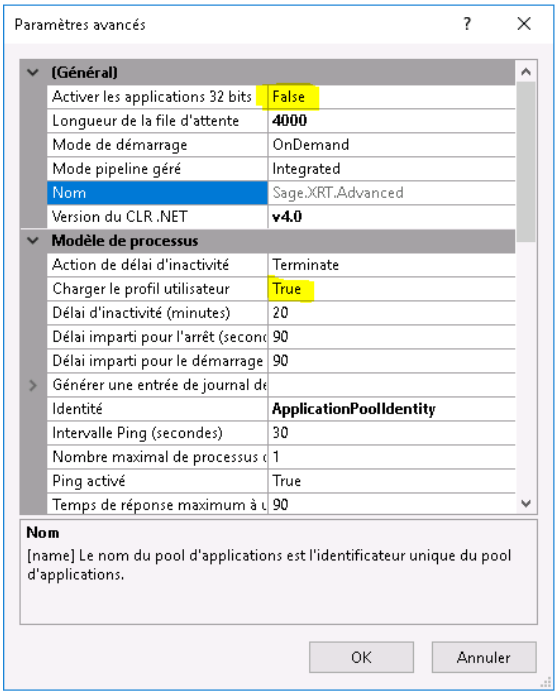


2. Go to the **Application Pools**.

©Sage 2020



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.

©Sage 2020

Databases

To continue with **Sage XRT Advanced** installation, you need to add one, or two databases and specify a Tenant.

Go to the Administration Console of **Sage XRT Common Services** 5.0.5: **Administration Sage .NET**.

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

Ensure that services **SCASServer** and **SCPSServer** from **Sage XRT Common Services** are running prior to creating databases. Restart them if required.

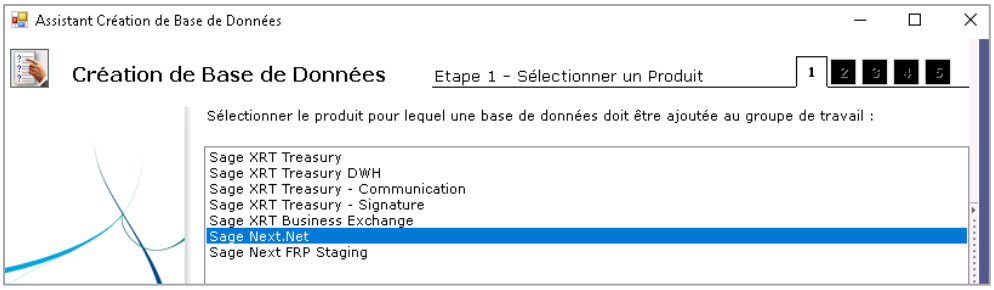
Adding Databases

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

Two databases can be used for **Sage XRT Advanced**:

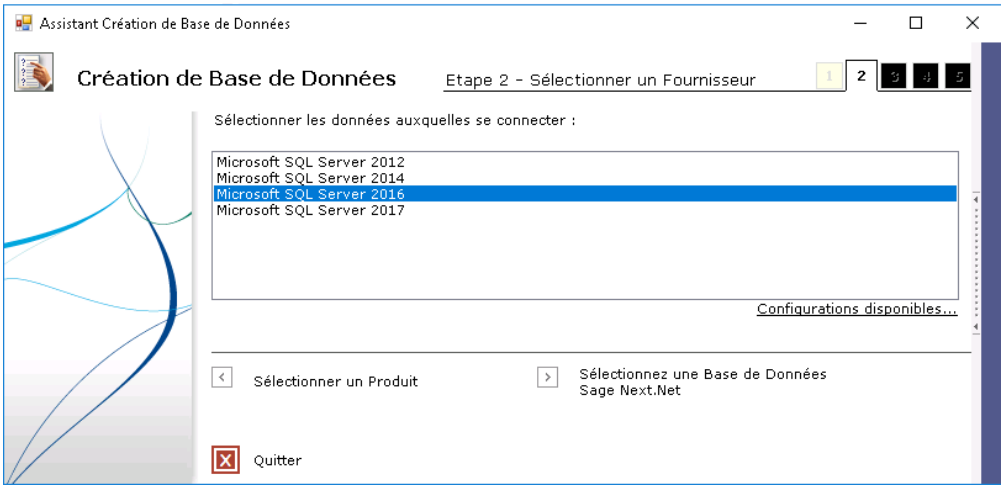
- **Sage Next.Net** (standard application database)
- **Sage Next FRP Staging** (synchronization database)

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

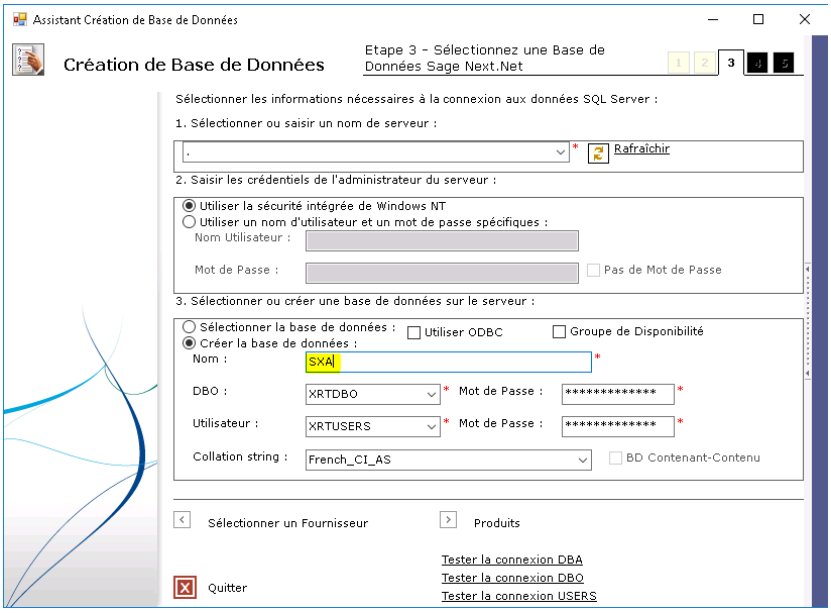


3. Click **Select a Provider**. Select the Provider.

©Sage 2020



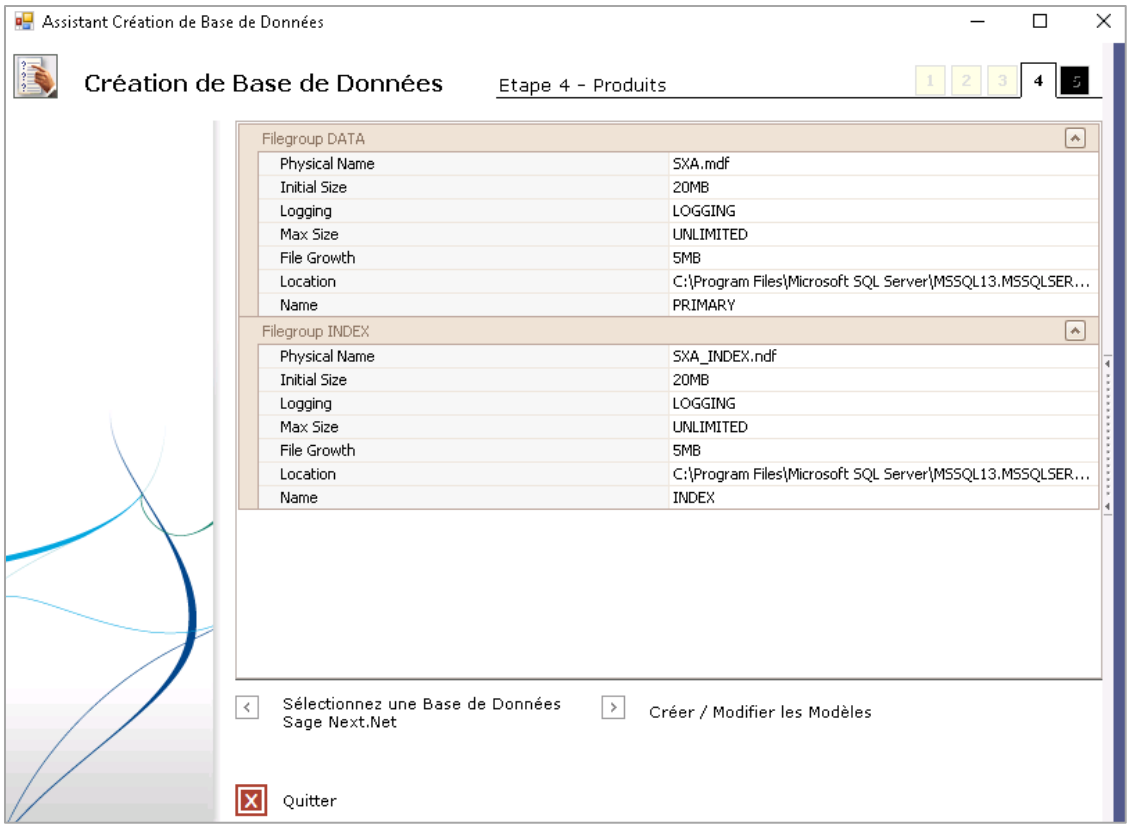
4. Click **Select Sage Next.Net Database**. Specify the server, connection settings as well as any additional details linked to this new database.



5. Click Products.

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

©Sage 2020



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

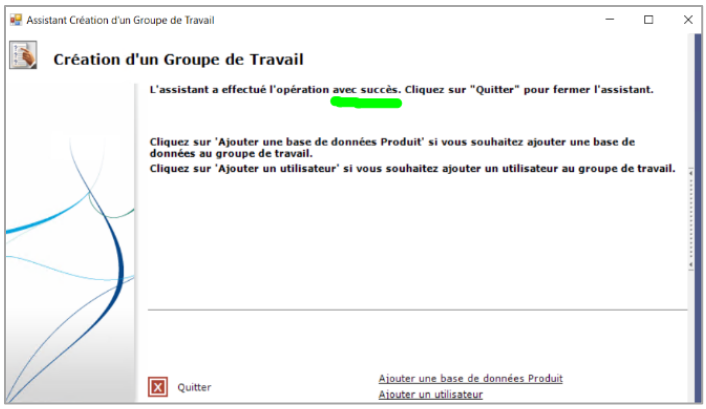
6. Click **Creating/Modifying Models**.

The list of the scripts to be used is displayed.

7. Click **Validate all steps**.

The result of the database creation is displayed.

©Sage 2020



8. Click **Add a Product Database** and repeat this process with **Sage Next FRP Staging**, only if you need to synchronize the setup of **Sage XRT Treasury** with **Sage XRT Advanced**.

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

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

Service and Certificate

Service

Start the **Sage.Next.BatchTasks** service in the **Service Manager**.

Certificate

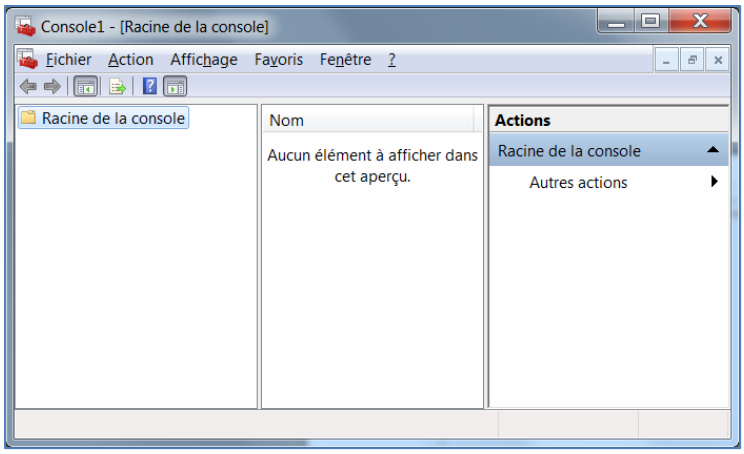
This new information is specific to **Sage XRT Common Services** 5.0.x. versions.

These web tools require a certificate. A list of authorized users must be defined on this certificate to grant access to **Sage XRT Advanced**.

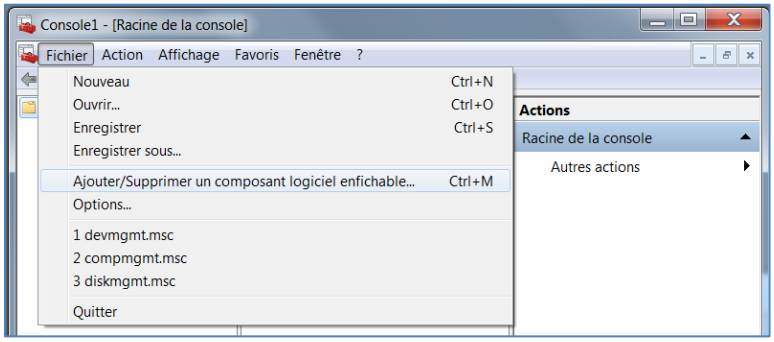
As of version 5.0.x, certificates are mandatory to use **Sage XRT Common Services**. All the users authorized to access **Sage XRT Advanced** must be added to this certificate.

1. Enter **mmc.exe** in the **Run** dialog box to open the **MMC** (*Microsoft Management Console*) virtual console manager.

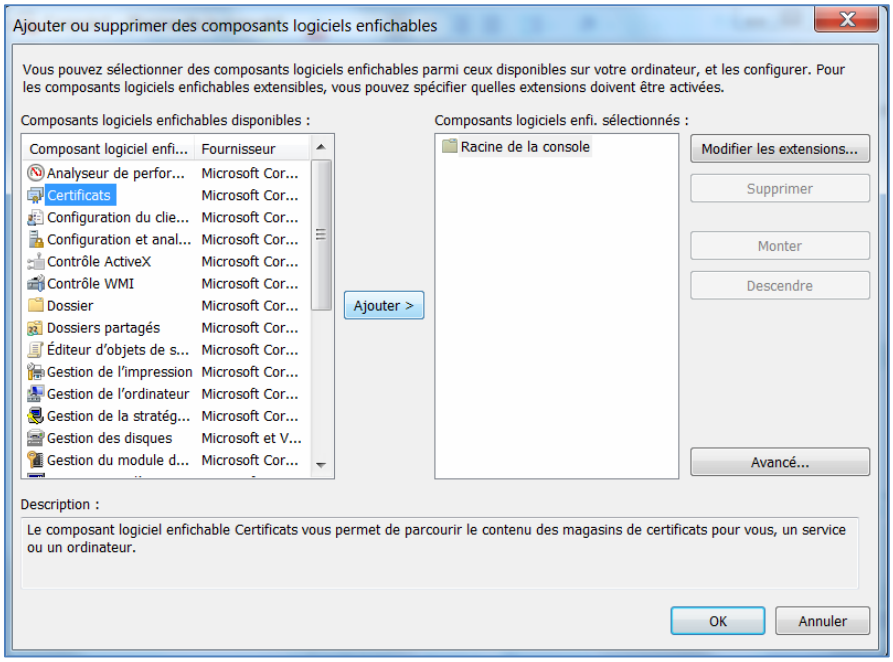
©Sage 2020



2. In the **File** menu, select **Add or Remove Sanp-ins**.

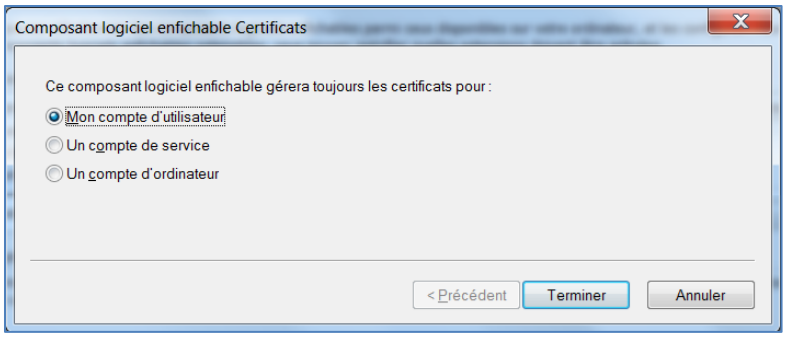


3. In the **Available snap-ins** list, select **Certificates**, then click **Add**.

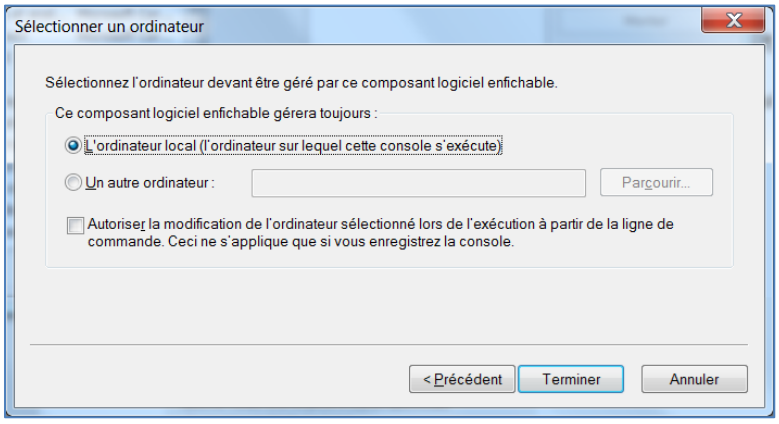


4. Enable the **Computer account** option and click **Next**.

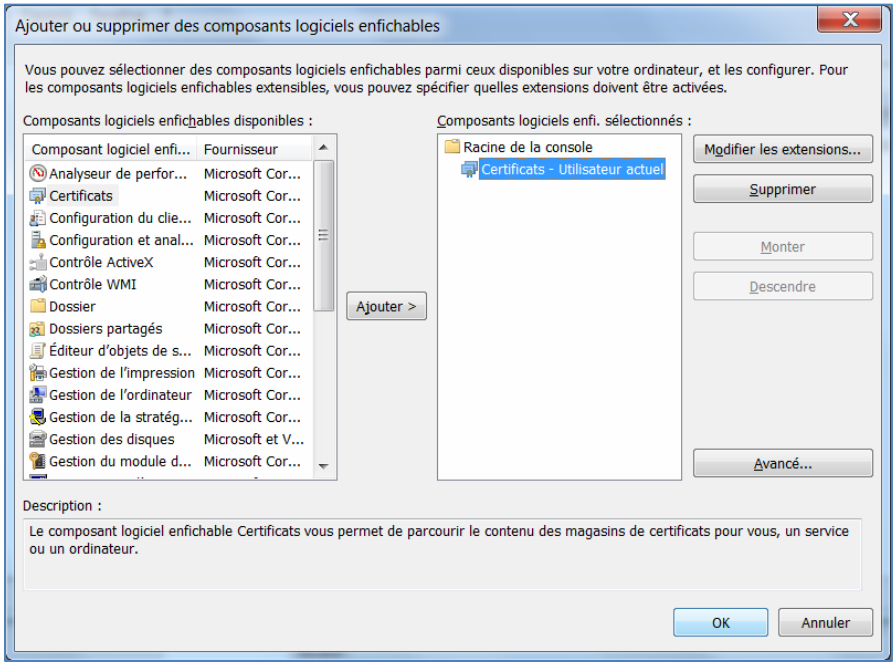
©Sage 2020



5. In the **Select Computer** window, enable the **Local computer** option and click **Finish.**

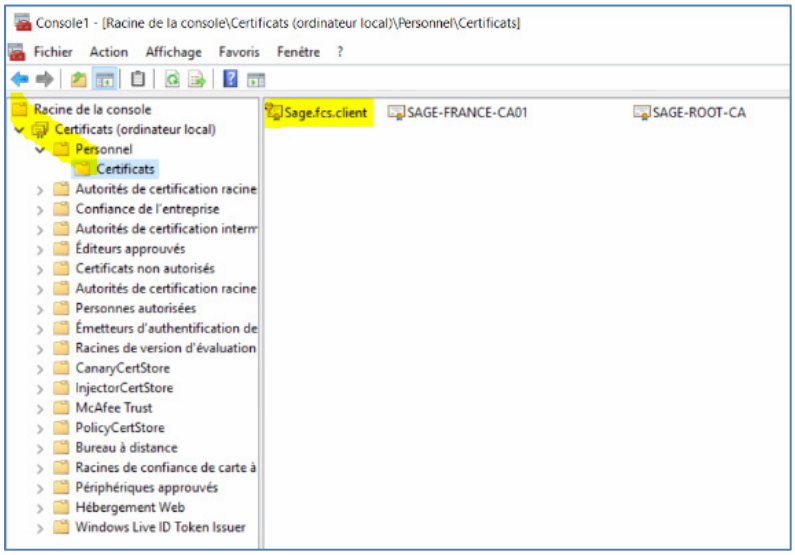


6. A line has been added to the **Selected snap-ins** list: **Certificates (Local Computer)**. Click **OK**.



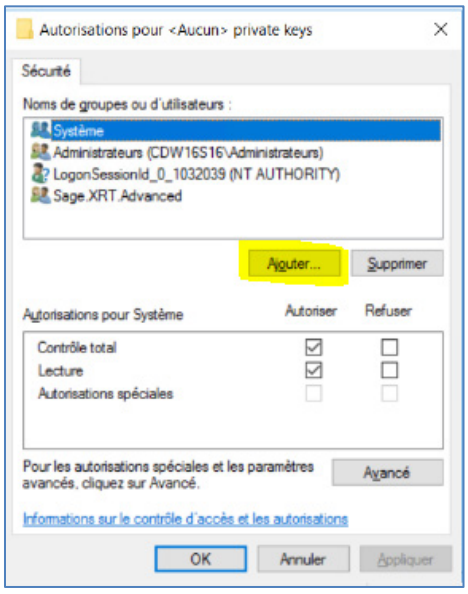
©Sage 2020

7. From the **Console Root** tree-view, expand the **Certificates (Local Computer)** level, browse **Personal - Certificates** and select the **Sage.fcs.client** certificate.



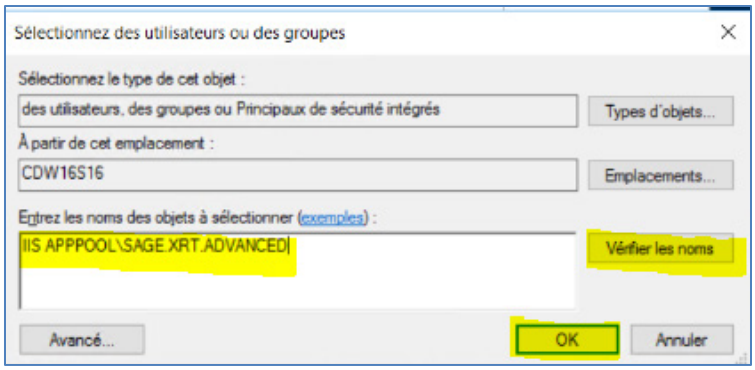
8. Right-click the certificate then select **All Tasks - Manage Private Keys...** in the contextual menu.

9. In the next window, click **Add**.



10. Enter the user name **IIS APPPOOL\<SXA Pool Name>** in the selection window, click the **Check Names** button, then **OK**.

©Sage 2020



11. Click **OK** to close the **Authorizations** window, then close the **MMC** console.

Windows Services for Synchronization

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

Note: **Sage XRT Treasury** and **Sage XRT Advanced** are now working with the same version of **Sage XRT Common Services**. The applications are 64-bit, except for **Sage XRT Treasury**, which remains 32-bit.

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

Synchronization is a scheduled task that can be performed only in this direction: 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 recommend 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.

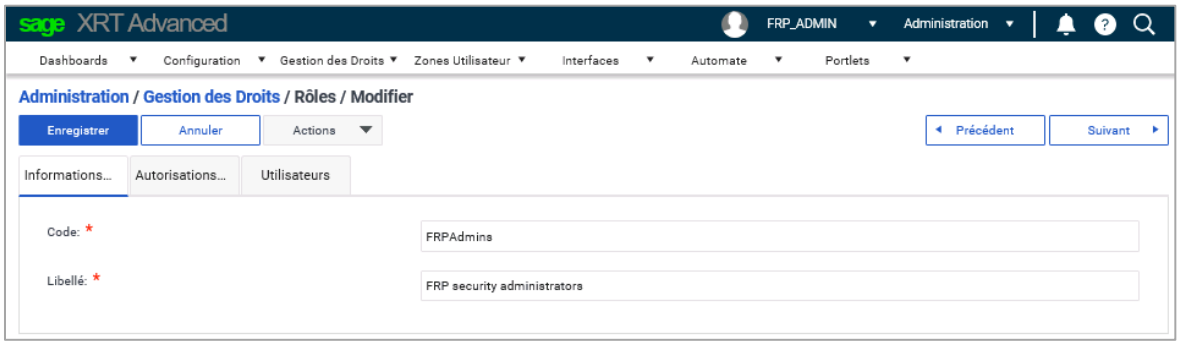
The service must be restarted so that the modifications are taken into account.

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).

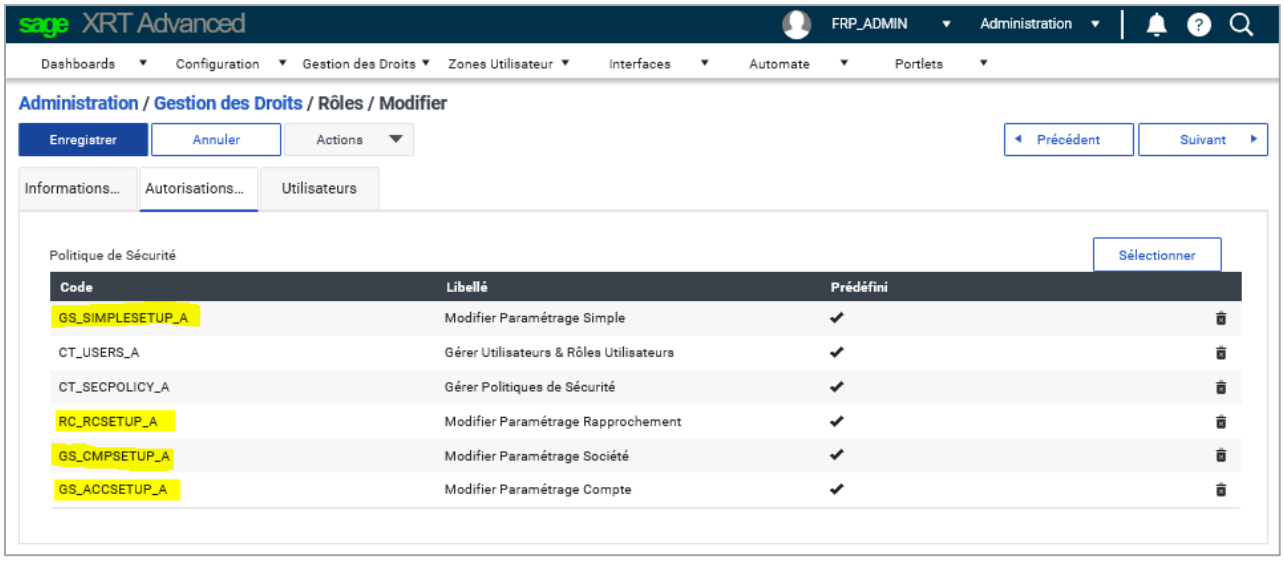
1. Go to **Sage XRT Advanced** using the link: *http://[Web Server Name]:[port]*.

©Sage 2020

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. Log off from **Sage.XRT.Advanced**.

©Sage 2020

6. 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.

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.

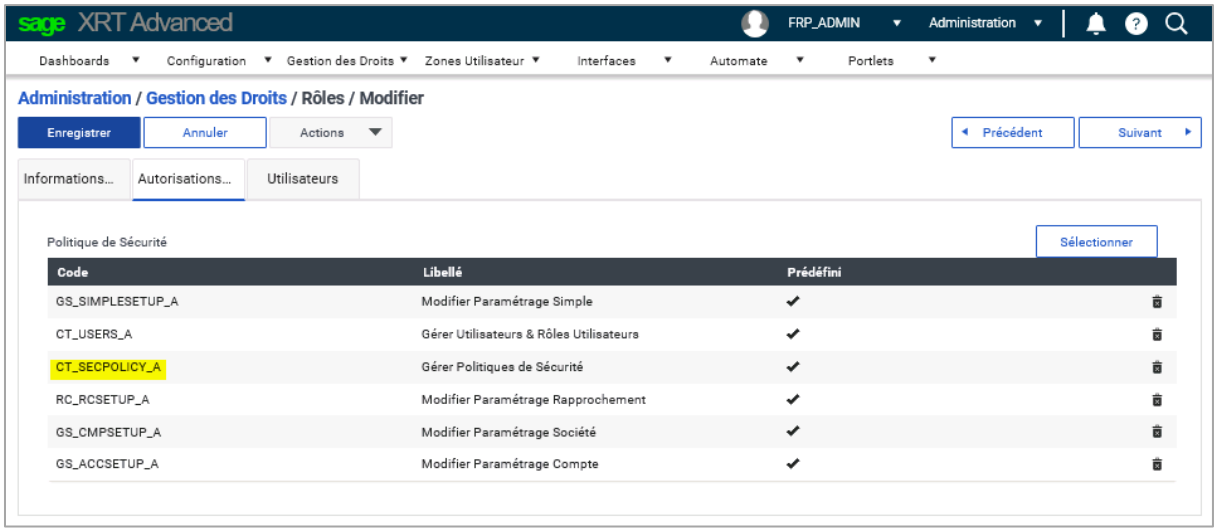
The first step consists in checking whether the user has the proper rights to proceed.

©Sage 2020

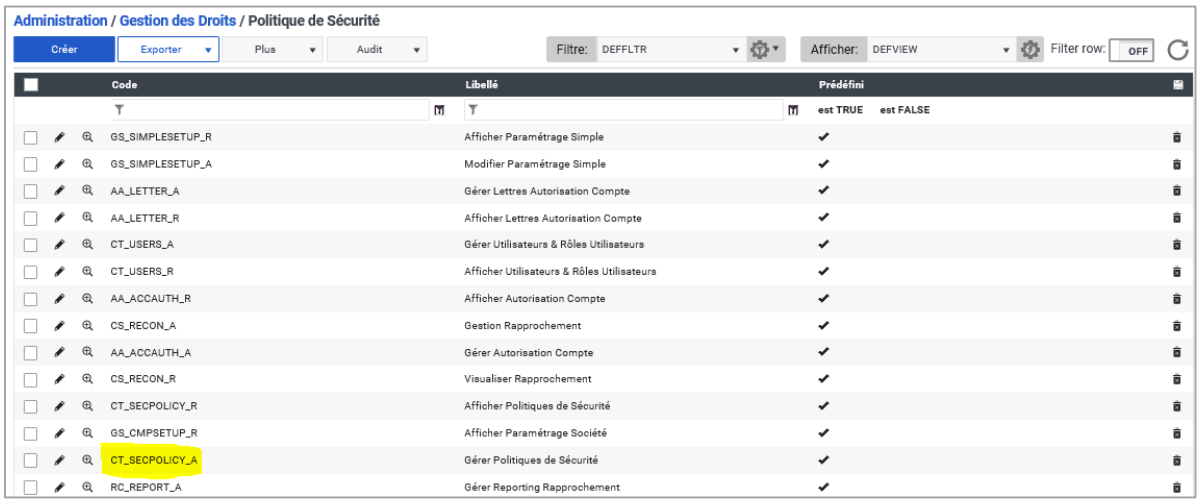
1. In **Sage XRT Advanced – Administration – Right Management – User Role**, modify the **FRPAdmins** role, and go to Access Rights.

   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**.

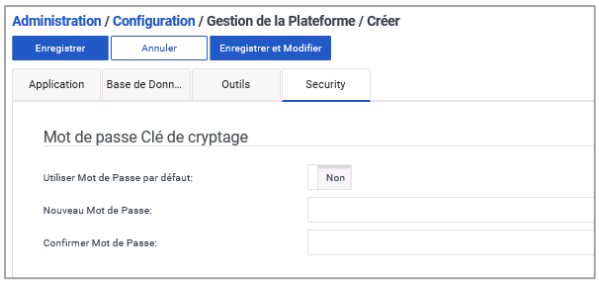


3. Check the presence of the **Security Policy** called: *CT_SECPOLICY_A*. Go to **Administration – Right Management – Security Policy**.



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

©Sage 2020



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!

©Sage 2020

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**
- **Sage XRT Treasury**
- **Sage Next.Net**
- **Sage Next FRP Staging**

Sage XRT Bank Format Library

Update you format library by uninstalling **Sage XRT Bank Format Library** 4.2.x and installing **Sage XRT Bank Format Library** 4.5.1.

Sage XRT Common Services

Update your **Sage XRT Common Services** by uninstalling version 4.2.x and installing **Sage XRT Common Services** 5.0.5.

Sage XRT Advanced

Before starting, make sure you have met all the prerequisites specified in *SXA.2.4.3.TechnicalGuidelines_EN.pdf*. Otherwise, install the missing elements.

This is a two-step process:

1. Uninstall the previous version (4.0.x or 5.x.x) via **Programs** in the **Control Panel**.
2. Install **Sage XRT Advanced** 2.4.3 just like a first installation (see the previous chapter).

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

©Sage 2020

Databases and Users

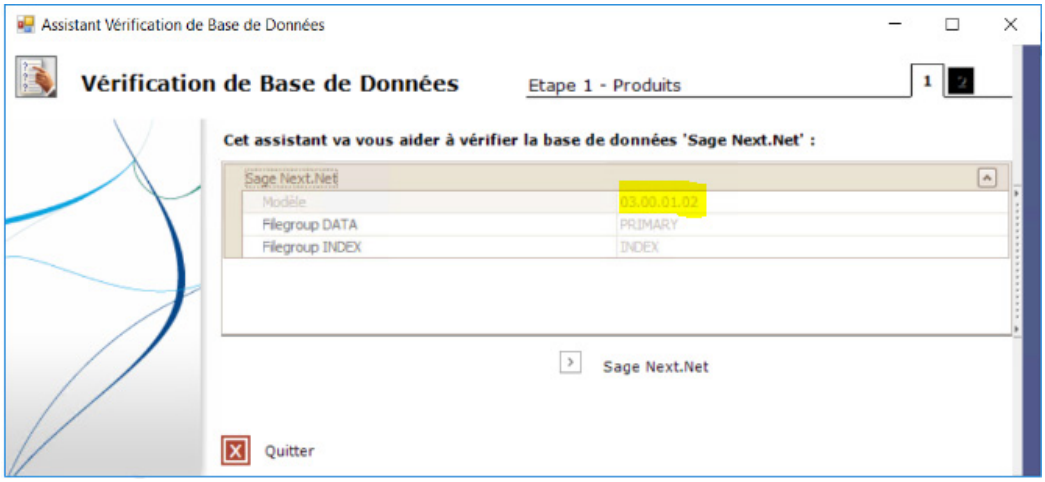
Two **Sage XRT Advanced** databases must now be updated in the workgroup.

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

Updating the databases

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

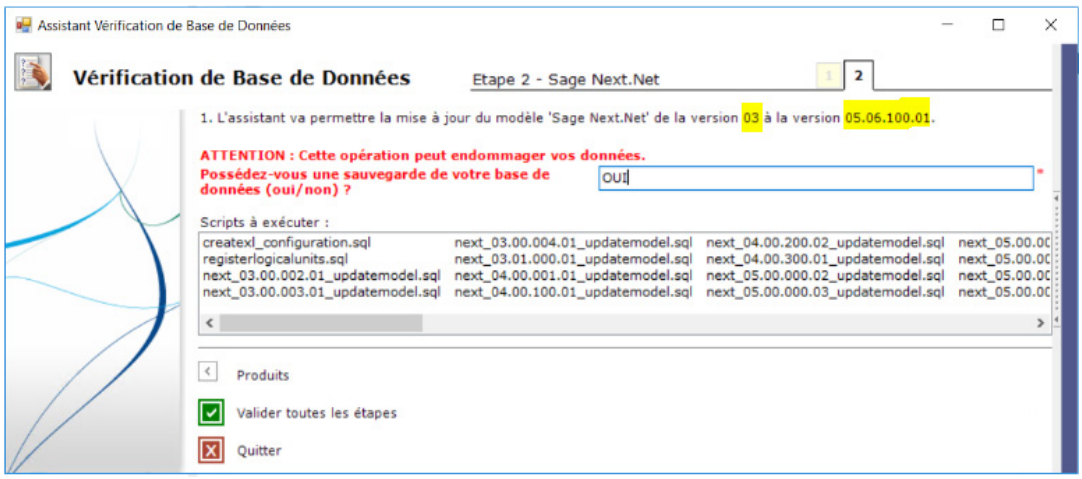
Step 1 – Products



This window helps you to identify the current version.

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

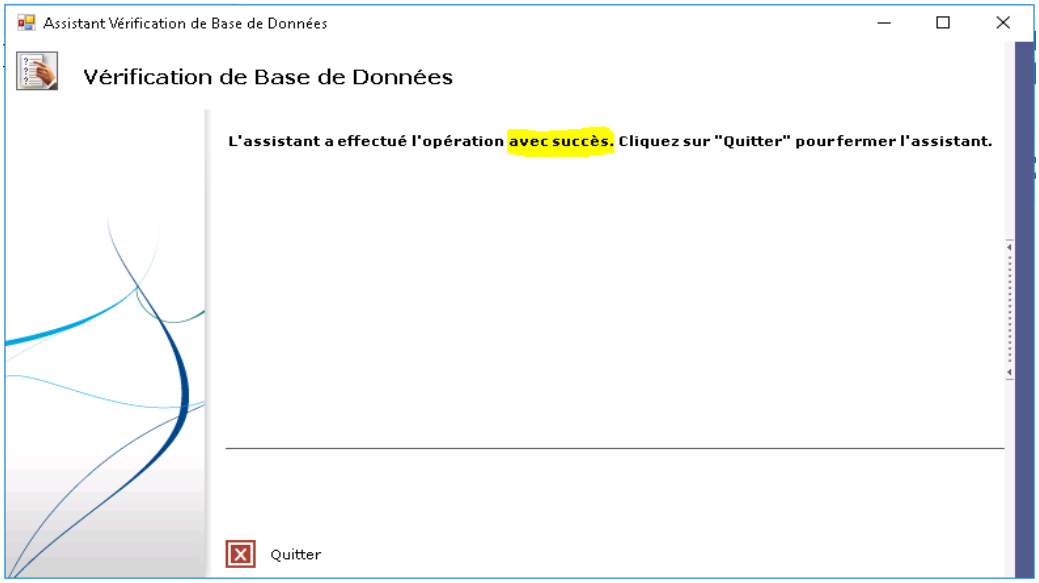
Step 2 – Sage Next.Net



3. Click **Validate all steps**.

©Sage 2020

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**.

©Sage 2020