

A high-angle, over-the-shoulder shot of a person with dark, curly hair and a tattooed left arm using a silver laptop. The person is sitting on a paved surface, possibly a sidewalk, with grass visible in the background. The laptop screen is dark and reflects the surroundings. The person's hands are on the keyboard. The overall tone is professional and modern.

sage

Enterprise Management

## Create a Web Portal using Web services

110240 2025048

The purpose of this document is to explain how to invoke SOAP Web services from a web portal in PHP.

The portal gives you access to your data, such as orders or customer information in real-time. You do not need to share large files across networks or via email. Because the data stays in the application, not saved out to an external server, it is more secure. Remote employees like sales professions can not only view data, but they can also create new data such as sales orders from any computer with internet access via a browser.

You can create the portal using SOAP web services functionality and WampServer® is a Windows web development environment that allows you to create web applications with Apache2, PHP, and a MySQL database. In addition, PhpMyAdmin allows you to easily manage your databases. [Source: [wampserver.com](http://wampserver.com)].

## Audience

This document is intended for experienced Enterprise Management users with administrator level permissions who may or may not have prior experience with publishing web services. There is also a section specifically for developers who have advanced coding and web services knowledge.

# Contents

<b>REQUIREMENTS</b>	<b>6</b>
<b>Install Microsoft Visual C++ Redistributable latest supported downloads</b>	<b>6</b>
<b>BUILD THE PORTAL</b>	<b>8</b>
<b>Install and configure WampServer</b>	<b>8</b>
<b>Configure the server and the pool of Web services</b>	<b>13</b>
Set up the Syracuse Web server	13
Configure the WEB services pool	14
<b>Install and configure the PHP Web portal</b>	<b>16</b>
Download the PHP web portal project files	16
Configure the portal	18
Configure the JWT connection – Connected applications	20
Install the application patch	21
<b>Publish the Web service</b>	<b>23</b>
Cas des erreurs dans la trace	23
<b>USE THE PORTAL</b>	<b>24</b>
<b>Access the portal</b>	<b>25</b>
<b>Read an order</b>	<b>26</b>
<b>Create an order</b>	<b>26</b>
<b>FOR DEVELOPERS</b>	<b>29</b>
<b>List the orders</b>	<b>30</b>
<b>Read an order</b>	<b>33</b>
<b>Create an order while logged in</b>	<b>34</b>
<b>Requirements</b>	<b>4664</b>
<b>Install Microsoft Visual C++ 2012 Redistributable (x64)</b>	<b>4664</b>
<b>Build the portal</b>	<b>5775</b>
<b>Install and configure WampServer</b>	<b>5775</b>

<b>Configure the server and the pool of Web services</b>	<b>10121210</b>
Set up the Syracuse Web server	10121210
Configure the WEB services pool	10131310
<b>Install and configure the PHP Web portal</b>	<b>12151512</b>
Download the PHP web portal project files	12151512
Configure the portal	13161613
Install the application patch	14171714
<b>Publish the Web service</b>	<b>16191916</b>
Cas des erreurs dans la trace	16191916
<b>Use the portal</b>	<b>17202017</b>
<b>Access the portal</b>	<b>17212117</b>
<b>Read an order</b>	<b>18222218</b>
<b>Create an order</b>	<b>18222218</b>
<b>For developers</b>	<b>21252521</b>
<b>List the orders</b>	<b>22262622</b>
<b>Read an order</b>	<b>25292925</b>
<b>Create an order while logged in</b>	<b>26303026</b>
<b>Requirements</b>	<b>4</b>
Install Microsoft Visual C++ 2012 Redistributable (x64)	4
<b>Build the portal</b>	<b>5</b>
<b>Install and configure WampServer</b>	<b>5</b>
<b>Configure the server and the pool of Web services</b>	<b>10</b>
Set up the Syracuse Web server	10
Configure the WEB services pool	10
<b>Install and configure the PHP Web portal</b>	<b>12</b>
Download the PHP web portal project files	12
Configure the portal	13
Install the application patch	14
<b>Publish the Web service</b>	<b>16</b>
Cas des erreurs dans la trace	16
<b>Use the portal</b>	<b>17</b>
<b>Access the portal</b>	<b>17</b>

<a href="#">Read an order</a>	<a href="#">18</a>
<a href="#">Create an order</a>	<a href="#">18</a>
<a href="#">For developers</a>	<a href="#">21</a>
<a href="#">List the orders</a>	<a href="#">22</a>
<a href="#">Read an order</a>	<a href="#">25</a>
<a href="#">Create an order while logged in</a>	<a href="#">26</a>
<b><a href="#">REQUIREMENTS</a></b>	<b><a href="#">4</a></b>
<a href="#">Install Microsoft Visual C++ 2012 Redistributable (x64)</a>	<a href="#">4</a>
<a href="#">Install Microsoft Visual C++ 2015 Redistributable (x64)</a>	<a href="#">4</a>
<b><a href="#">BUILD THE PORTAL</a></b>	<b><a href="#">5</a></b>
<a href="#">Install and configure WampServer</a>	<a href="#">5</a>
<a href="#">Configure the server and the pool of Web services</a>	<a href="#">7</a>
<a href="#">Install and configure the PHP Web portal</a>	<a href="#">9</a>
<a href="#">Download the PHP web portal project files</a>	<a href="#">9</a>
<a href="#">Configure the portal</a>	<a href="#">10</a>
<a href="#">Install the application patch</a>	<a href="#">11</a>
<a href="#">Publish the Web service</a>	<a href="#">13</a>
<b><a href="#">USE THE PORTAL</a></b>	<b><a href="#">14</a></b>
<a href="#">Access the portal</a>	<a href="#">14</a>
<a href="#">Read an order</a>	<a href="#">15</a>
<a href="#">Create an order</a>	<a href="#">15</a>
<a href="#">Create an order</a>	<a href="#">16</a>
<b><a href="#">FOR DEVELOPERS</a></b>	<b><a href="#">18</a></b>
<a href="#">List the orders</a>	<a href="#">19</a>
<a href="#">Read an order</a>	<a href="#">22</a>
<a href="#">Create an order while logged in</a>	<a href="#">23</a>

**a mis en forme** : Police par défaut, Police :Gras, Tout en majuscule

**a mis en forme** : Police par défaut, Police :Gras, Vérifier l'orthographe et la grammaire

**a mis en forme** : Police par défaut, Police :Gras, Vérifier l'orthographe et la grammaire

**a mis en forme** : Police par défaut, Police :Gras, Tout en majuscule

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**a mis en forme** : Police par défaut, Police :Gras, Vérifier l'orthographe et la grammaire

# Requirements

To build the PHP web portal, you need the following:

- Windows 64 bit operating system
- [Sage X3 2025R1 Update 9.0.2](#) or above
- [Microsoft Visual C++ 2012 Redistributable \(x64\)](#)

## Install Microsoft Visual C++ 2012 Redistributable latest supported downloads (x64)

From [Latest supported Visual C++ Redistributable downloads | Microsoft Learn](#)  
<https://www.microsoft.com/en-US/download/details.aspx?id=30679>

Select your language from the pull-down menu and click **Download**.

There are multiple files available for this download. When prompted, select **VSU\_4\vc\_redist\_x64.exe**.

Choose the download you want

<input type="checkbox"/>	File Name
<input checked="" type="checkbox"/>	VSU_4\vc_redist_x64.exe
<input type="checkbox"/>	VSU_4\vc_redist_x86.exe
<input type="checkbox"/>	VSU4\vc_redist_arm.exe

a mis en forme : Sans numérotation ni puces

a mis en forme : Anglais (Royaume-Uni)

a mis en forme : SAGE\_Body Text

Expand table

Version	Section
Latest supported v14 (for Visual Studio 2017–2026)	Latest supported Redistributable version
Visual Studio 2015	Visual Studio 2015 (VC++ 14.0)
Visual Studio 2013	Visual Studio 2013 (VC++ 12.0)
Visual Studio 2012	Visual Studio 2012 (VC++ 11.0)
Visual Studio 2010	Visual Studio 2010 (VC++ 10.0)
Visual Studio 2008	Visual Studio 2008 (VC++ 9.0)
Visual Studio 2005	Visual Studio 2005 (VC++ 8.0)

For Visual Studio:

- 2010: only x64
- 2012: x64 + x86
- 2013: x64 + x86

a mis en forme : Retrait : Gauche : 0 cm

a mis en forme : Avec puces + Niveau : 1 + Alignement : 2,5 cm + Retrait : 3,14 cm

## Build the portal

### Install and configure WampServer

You can download WampServer from [www.wampserver.com](http://www.wampserver.com).



On the homepage, scroll down and download this one:

**WAMP SERVER 64 BITS (X64) 3.3.7 x640-6**

**La version qui est en fait téléchargée est au minimum 3.1.4**

**The version that is actually downloadeddownloaded is at least 3.3.74.4**

By default, WampServer installs to **c:\sage\wamp**, but you can select a different folder when prompted. By default, WampServer installs in **C:\wamp64** but it is best to choose **c:\sage\wamp**, or a different folder.

Next, you can keep the default you need to choose a default browser and the default text editor, such as Chrome or IE.

**Navigate to the EXE file on your computer.**

**Select the file and click Open.**

**Examples for IE and Chrome are shown below.**

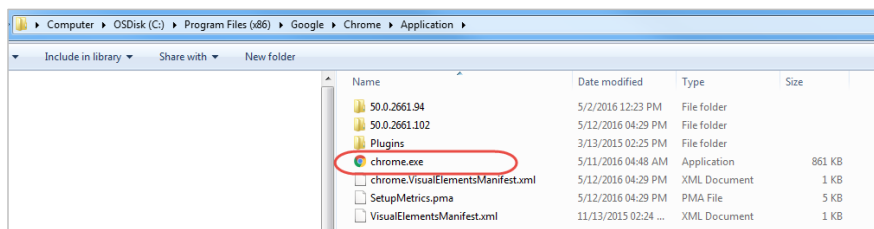
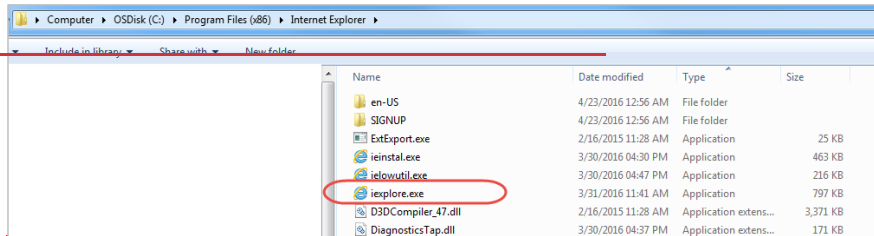
**a mis en forme :** Police :(Par défaut) Arial, 11 pt, Gras, Anglais (Royaume-Uni)

**a mis en forme :** Police :(Par défaut) Arial, 11 pt, Gras, Anglais (Royaume-Uni)

**a mis en forme :** SAGE\_Body Text, Motif : Transparente

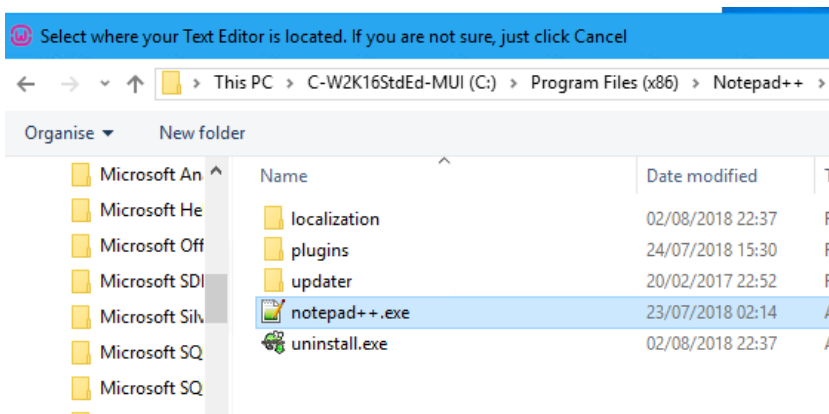
**a mis en forme :** Police :(Par défaut) Arial, 11 pt, Couleur de police : Couleur personnalisée(RVB(81;83;74)),Anglais (Royaume-Uni)





Then you can choose a default text Editor:

Example Notepad ++ (32bits)



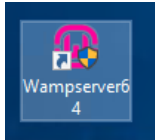
Then on your desktop, this program allows to start, stop or configure the server Wamp

**a mis en forme :** Police : (Par défaut) Arial, 11 pt, Couleur de police : Couleur personnalisée(RVB(81;83;74)),Anglais (Royaume-Uni)

**a mis en forme :** Police : (Par défaut) Arial, 11 pt, Couleur de police : Couleur personnalisée(RVB(81;83;74)),Anglais (Royaume-Uni)

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Couleur de police : Texte 1, Anglais (États-Unis)

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Couleur de police : Texte 1, Anglais (États-Unis)



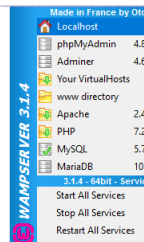
Launch it.

The notification icon changes color and must become Green.

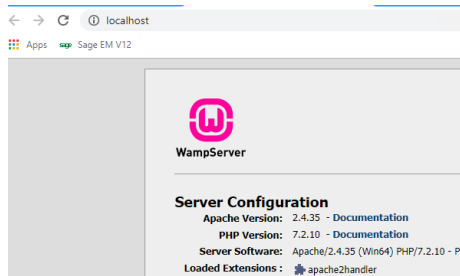


Launch the Wamp server page by clicking on this Icon.

Then select Localhost.



You then have the next page if all goes Well.



It is necessary to change the default HTTP port, which is 80. For example, you can change it to 8125 or another port.

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Anglais (États-Unis)

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Anglais (États-Unis)

**a mis en forme :** Bullet 1, Retrait : Gauche : 0 cm, Suspendu : 0,63 cm, Motif : Transparente

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Anglais (États-Unis)

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Anglais (États-Unis), Motif : Transparente

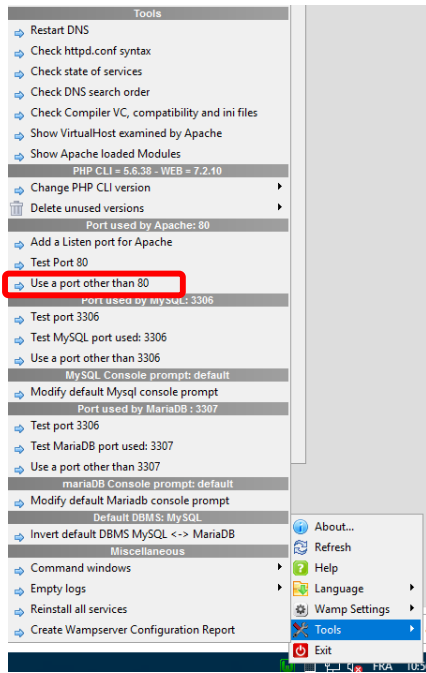
**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Anglais (États-Unis)

**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Couleur de police : Texte 1, Anglais (États-Unis)

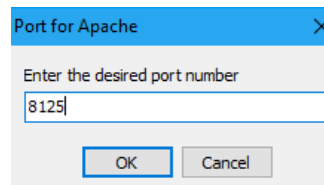
**a mis en forme :** Police : (Par défaut) +Corps (Arial), 11 pt, Couleur de police : Texte 1, Anglais (États-Unis)

**a mis en forme :** Retrait : Gauche : 0 cm, Première ligne : 0 cm

Right click on the Wamp icon then Tools then use a port other than 80



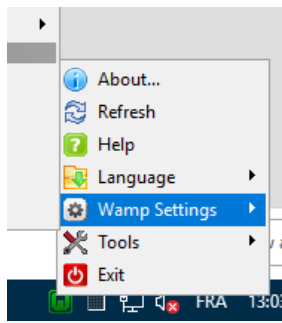
Enter the new port: 8125



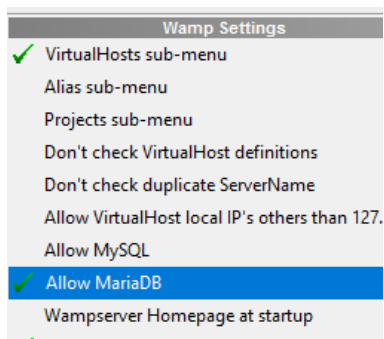
Verify that the page is running on this new port.

The Wamp server includes both MySQL and MariaDB Databases.

To have more resources on our machine, you can stop these two bases.

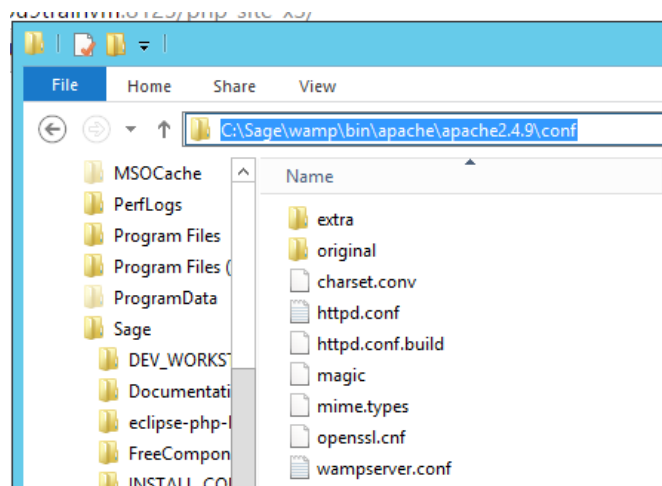


Deselect Allow MySql and Allow MariaDB



This PHP portal does not use any of these databases

You need to change the default http port, which is **80**. You can, for example, change it to **8425**, or to another port.



Navigate to **c:\Sage\wamp\bin\apache2.4.9\conf**

In Notepad ++, open **httpd.conf** and edit the file as follows:

```
#  
# Listen: Allows you to bind Apache to specific IP addresses and/or  
# ports, instead of the default. See also the <VirtualHost>  
# directive.  
#  
# Change this to Listen on specific IP addresses as shown below to  
# prevent Apache from seizing all bound IP addresses.  
#  
#Listen 12.34.56.78:80  
Listen [::0]:8125
```

Save this file and restart all services for WampServer.

Right-click the WampServer icon on your desktop or taskbar, and select **Restart All Services**.

**Note:** You can use this same menu to start and stop all services for WampServer at any time.

Leave **All Services Running** while you set up the portal.

## Configure the server and the pool of Web services

### Set up the Syracuse Web server,

In Enterprise Management, complete follow these steps:

**Note:** The Host name etc. are examples. You might have other names.

Open Administration > Administration > Servers > **Hosts**.  
Click the edit icon next to your host name.

a mis en forme : SAGE\_Body Text

a mis en forme : Police :11 pt

a mis en forme : SAGE\_Body Text

On the next screen, in the **Number of Web service child processes** field, enter **1**.

The screenshot shows the configuration page for Host X3PU9TRAINVM. At the bottom, there are two input fields: 'Number of child processes' with a value of 2, and 'Number of Web service child processes' which is highlighted with a red circle and contains the value 1.

Port	Active	SSL	Client authentication	Server certificate	Client certificate
8124	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
443	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	x3pu9trainvm	

## Configure the WEB services pool

Open **Classic SOAP pools configuration** from Administration > Administration > Web Services > **Classis SOAP pools configuration**

Click **Create soapClassicPool**.

Complete the following fields:

**Alias:** Enter the name of the pool to be used in the web service call.

**Initialization size:** Enter **1**.

Represents the number of clients (per node.js process) that are initialized during the pool startup.

**Maximum size:** Enter **1**.

Represents the maximum number of clients (per node.js process) that can be started on this pool.

**Auto start:** check box Leave unchecked.

If checked, the pool starts when the Syracuse server starts.

**Server TAGS:** Leave blank.

This field is best used by Developers with classic SOAP pool configuration.

**Endpoint:** Enter the endpoint (folder) to be used for web service requests.

**Locale:** Enter your language and location. (In this example, English.)

**User:** Enter the user name. In this case **Admin**.

All > Administration > Administration > Web Services

Super administratorSEED folder, X3PU9TRAIN solution, online docSAGE

Pool configuration:

Alias \*  
SEED

☐ Auto start

Initialization size \*  
1

Endpoint \*  
SEED folder, X3PU9TRAIN solution, local doc  
Endpoints describe services locations

Locale \*  
English (United States) en-US  
Regional preferences

X3 server TAGS  
Tags can be used to prefer some X3 process server defined in X3 solution

Maximum size \*  
1

User \*  
admin  
z profile

All > Administration > Administration > Web Services

Pool configuration: SEED

Pool configuration: SEED

Alias \*  
SEED

☒ Auto start

Initialization size \*  
1

Endpoint \*  
EMV12EAP / SEED  
Endpoints describe services locations

Locale \*  
English (United States)  
Regional preferences

X3 server TAGS  
Tags can be used to prefer some X3 process server defined in X3 solution

Maximum size \*  
1

User \*  
admin  
z profile

Super administrator

To continue setting up the PHP web portal, you need to start the pool.

After you create the pool based on the previous steps, it displays in the list of soapClassicPools.

Click the name of the pool you just created.

From the Actions panel, click **Start/Update**.

✕

BackForward

TRAIN solution, online doc

SAGE

Edit

Start/Update

Stop

Status

## Install and configure the PHP Web portal

If you have not already done so, start the web service pool you just created. See steps in the previous section for details.

### Download the PHP web portal project files

The project file for the PHP web portal is available from GitHub. The project file is open to everyone, so you do not need a GitHub account. The download file contains everything you need to create and configure the portal including the application patch for the YOSOH web service.

From GitHub <https://github.com/Sage-ERP-X3/sample-x3-ws-php-webportal>, click **Clone** or **Download**.

If you are logged in to GitHub, you have the option to **Clone** or **Download without logged in**.

Be sure to download the ZIP file.

a mis en forme : Police :Gras

Sage-ERP-X3 / sample-x3-ws-php-webportal

Watch 7 Star 0 Fork 0

Code Issues 0 Pull requests 0 Pulse Graphs

No description or website provided.

3 commits 1 branch 0 releases 1 contributor

Branch: master New pull request New file Find file HTTPS https://github.com/Sage-E Download ZIP

x3admin add patch X3 for X3 YSOH web services Latest commit f22173c 2 days ago

WebService	initial commit	8 days ago
X3/PATCH_X3	add patch X3 for X3 YSOH web services	2 days ago
bootstrap	initial commit	8 days ago

All > Administration > Administration > Web Services

Pool configuration: SEED

Pool configuration: SEED

Alias \*  
SEED

Auto start  
☒

Initialization size \*  
1

Endpoint \*  
EMV12CAP / SEED

Locale \*  
English (United States)

X3 server TAGS  
Type can be used to prefer some X3 processes server defined in X3 solution

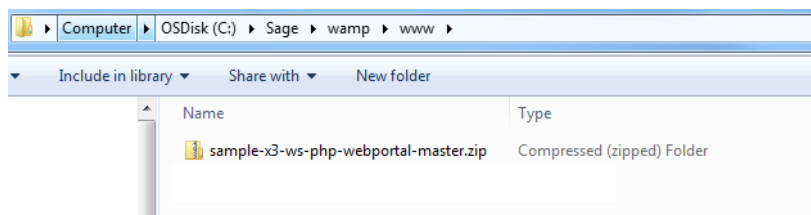
Maximum size \*  
1

User \*  
admin

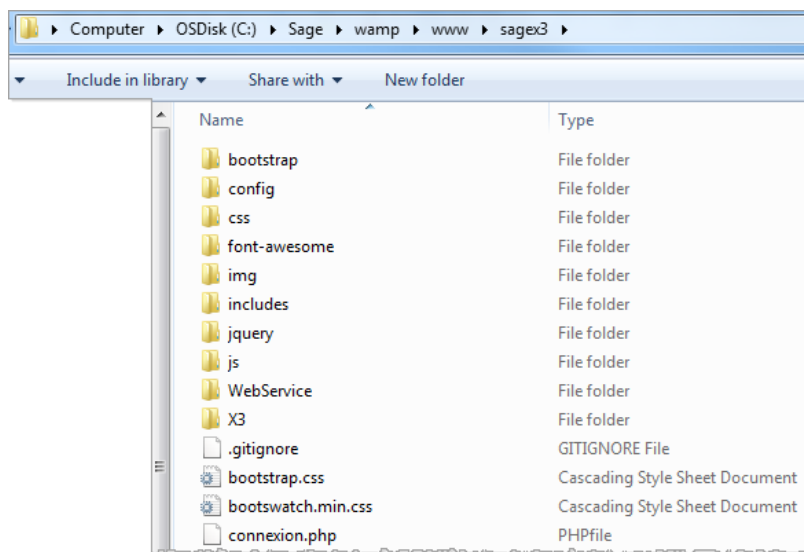
Super administrator

Save the **sample-x3-ws-php-webportal-master.zip** file to **C:\Sage\wamp\www**.





Extract all files to **C:\Sage\wamp\www\sagex3**.



## Configure the portal

Next, you need to configure the portal to communicate with Enterprise Management.

In the folder **C:\Sage\wamp\www\sagex3\config**, copyopen the **Config\_template.php** to **Config.php** file.

The following fields should match what you entered when you configured your web service pool in Enterprise Management:

# no character "/" at the end.

# "http://<name websevr X3>/" Not right

WEB\_SERVER\_X3WSDL\_ : \_\_\_\_\_ :  
\_\_\_\_\_ Your server URLhttp://localhost:8124

### Config SOAP Web services X3 : Config.php

/\*

Config Web server X3

\*/

# no character "/" at the end.

# "http://<name websevr X3>/" Not right

#public static \$WEB\_SERVER\_X3 = "http://<name websevr X3>";

public static \$WEB\_SERVER\_X3 = "http://<name websevr X3>";

/\*

Config SOAP Web services X3

\*/

public static \$CODE\_LANG = "ENG";

public static \$POOL\_ALIAS = "...";

public static \$WS\_ORDER = "YOSOH";

public static \$WS\_STOCK = "YSTOCK\_LOT";

a mis en forme : Police :Gras

a mis en forme : Anglais (Royaume-Uni)

a mis en forme : Retrait : Première ligne : 1,27 cm

a mis en forme : Anglais (Royaume-Uni)

a mis en forme : Police :Gras, Anglais (Royaume-Uni)

a mis en forme : Police :Gras, Anglais (Royaume-Uni)

a mis en forme : Anglais (Royaume-Uni)

```
__public static $WS_PRODUCT = "YOITM";
```

```
__
```

```
__/*
```

```
__Config GraphQL X3
```

```
__*/
```

```
__public static $GQL_ENDPOINT = "...";
```

```
__/*
```

```
__Config PHP Web Portal
```

```
__*/
```

```
__public static $WEB_SITE_LOGIN = "websage";
```

```
__public static $WEB_SITE_PASSWD = "websage";
```

```
__public static $WEB_SITE_CONSOLE = false;
```

```
__/*
```

```
__Config JWT
```

```
__*/
```

```
__
```

```
__public static $JWT_CLIENT_ID = "...";
```

```
__public static $JWT_SECRET_OR_PRIVATE_KEY = "...";
```

```
__public static $JWT_AUDIENCE = "";
```

```
__public static $JWT_USER = "...";
```

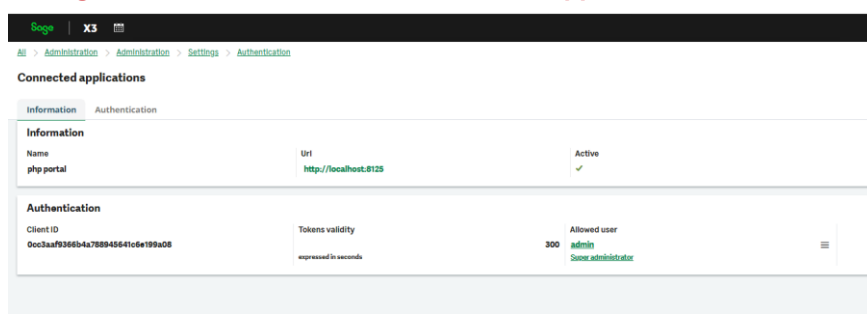
}

?>

**Important!** Do not change the punctuation and formatting.

a mis en forme : Anglais (États-Unis)

## Configure the JWT connection – Connected applications



a mis en forme : SAGE\_Body Text

a mis en forme : Anglais (Royaume-Uni)

CODE\_LANG

POOL\_ALIAS

WS\_ORDER YOSOH The name of the Sales orders Web services for orders, is just for this example. You might set up a different web service.

a mis en forme : Retrait : Première ligne : 1,02 cm

WEB\_SITE\_LOGIN and WEB\_SITE\_PASSWD represent the credentials you will share with those who will be accessing these web services via the web portal.

<?php

```
class Config {  
    public static $WSDL = "http://x3pu9trainvm:8124/soap-wsdl/syracuse/collaboration/syracuse/CAdxWebServiceXmlCC?wsdl";  
    public static $CODE_LANG = "ENG";  
    public static $CODE_USER = "admin";  
    public static $PASSWORD = "admin";  
    public static $POOL_ALIAS = "SEED";  
    public static $REQUEST_CONFIG = "adxwss.optreturn=XML";  
}
```

```

—— public static $WS_ORDER —— = "YOSOH";
——
—— public static $WEB_SITE_LOGIN —— = "websage";
—— public static $WEB_SITE_PASSWD —— = "websage";
——
}
?>

```

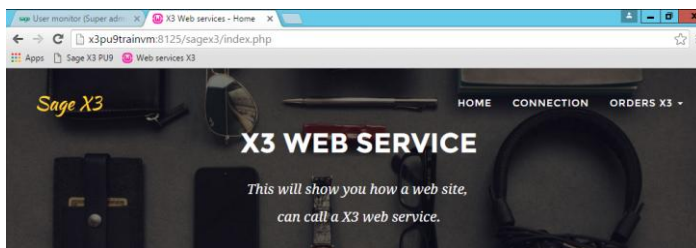
**Important!** Do not change the punctuation and formatting.

From the WampServer menu, **Restart All Services**.

Enter the URL for your portal in your default browser. In this example the URL is <http://x3pu9trainvm:8125/sagex3/>

This is the name of Syracuse server and the number was configured in **httpd.conf**.

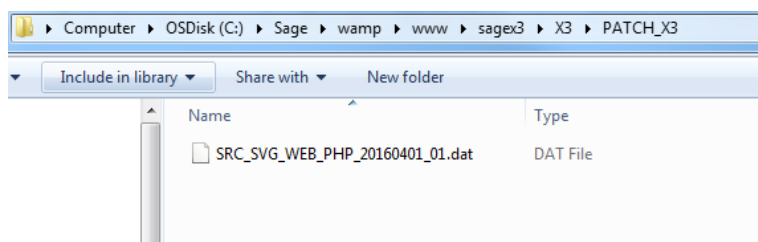
This is an example of what your portal could look like.



## Install the application patch

You need to install the patch containing the YOSOH web services. The file was downloaded in the ZIP file from GitHub.

The name of file is **SRC\_SVG\_WEB\_PHP\_YYYYMMDD\_NN.dat**. It is in the following directory: C:\Sage\wamp\www\X3\PATCH\_X3\12.



**Important!** You can only install the patch on the SEED folder, not the application folder.

The patch contains the following objects:

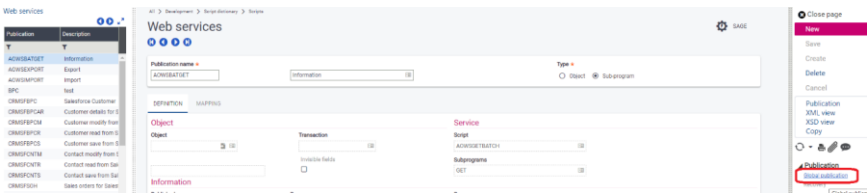
| Type | Objects                   | Comments                                                          |
|------|---------------------------|-------------------------------------------------------------------|
| ACV  | YSWPH                     | Activity code PHP Web portal                                      |
| EXE  | SUBSLC                    | Generate Sales entry transaction                                  |
| TRT  | YSWPHPSTOCK               | Script Available stock                                            |
| ASU  | YSWPHPSTOCK~STOCK         | Sub program YSWPHPSTOCK~STOCK Available stock                     |
| AWE  | YOSOH                     | Web service YOSOH Sales orders                                    |
| AWE  | YSSTOCKPHP                | Web service YSSTOCKPHP Available stock                            |
| SLT  | STRTYP=2 &<br>STRNUM='WS' | Sales entry transaction WS: Web service for the web service YOSOH |

## Publish the Web service

After installing the patch with the web service, you need to publish the service. This validates the web service so that it is visible.

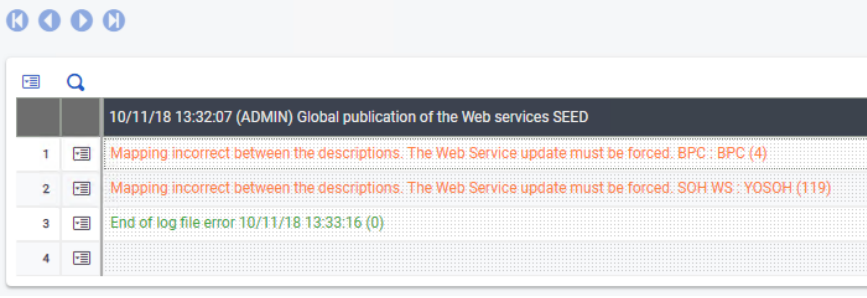
In the application, navigate to **Development > Script dictionary > Scripts** and open **Web services** (GESAWÉ).

Cliquez sur **Publication globale**.



## Cas des erreurs dans la trace

### Log Reading F34599

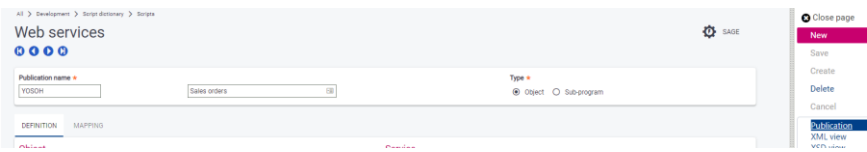


a mis en forme : Français (France)

Seulement le web service YOSOH est utilisé.

a mis en forme : Français (France)

Dans la même fonction aller sur ce web service **YOSOH** et cliquer sur le bouton **Publication**.



## Use the portal

Click Global publication:

The screenshot shows the 'Web services' configuration interface. On the left, a list of web services is displayed, with 'D\_CPT1LEC' selected. The main area shows the configuration for 'D\_CPT1LEC'. The 'Publication name' is 'D\_CPT1LEC'. The 'Type' is set to 'Object'. The 'Definition' section has two tabs: 'Object' and 'Service'. The 'Object' tab is active, showing fields for 'Object', 'Transaction', 'Script', and 'Subprograms'. The 'Information' section at the bottom shows 'Published on' (2013032000010), 'By' (ADMIN), and 'Program' (WID\_CPT1LEC). A red circle highlights the 'Publication' button in the right-hand sidebar.



## Use the portal

Now that the web service has been published, you can begin accessing application data in real-time via the portal.

**Note:** WampServer needs to be running to access the portal and the application services.

### Access the portal

Using the default browser that you set earlier, enter the URL for your web portal.

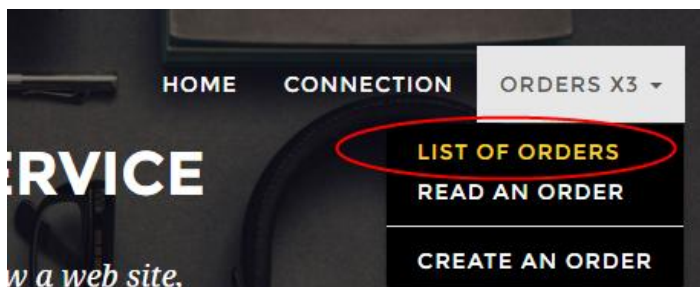
**Note:** For this example, the URL is `http://x3pu9trainvm:8125/sagex3`.

Click **CONNECTION** and log in with the username and password you set up when configured the portal.

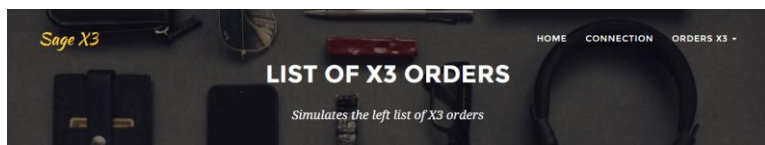
**Important!** You do not need to be logged into the Portal to view the orders.

Remember, because this web service is based on YOSOH for sales information, this portal provides access to orders in Enterprise Management.

From the **ORDERS X3** pull-down menu, select **LIST OF ORDERS**.



You can now see a list of current orders in your application instance.



#### RESULT

| Order num    | Client | Order date | Reference | Sales rep | Delivery status | Postal code |
|--------------|--------|------------|-----------|-----------|-----------------|-------------|
| SOWFR0120004 | FR002  | 05/04/2016 |           | FR252     | Not delivered   | 13770       |
| SOWFR0120003 | FR001  | 04/04/2016 |           | FR251     | Not delivered   | 44000       |
| SOWFR0120002 | FR004  | 04/04/2016 |           | FR252     | Not delivered   | 95370       |
| SOWFR0120001 | FR004  | 04/04/2016 |           | FR252     | Not delivered   | 95370       |

When you look at this data in Enterprise Management, you can see that it is the same.

The screenshot shows the 'Orders' section in Sage X3 Enterprise Management. On the left, a table lists sales orders with columns: Order no., Sold-to, Order date, Reference, Sales rep, Delivery status, and Postal code. The first row is highlighted in green. On the right, a detailed view of a sales order is shown, titled 'Sales order WS : Web services'. It includes fields for Sales site, Type, Number, Revision, Reference, Date, Currency, and Sold-to.

## Read an order

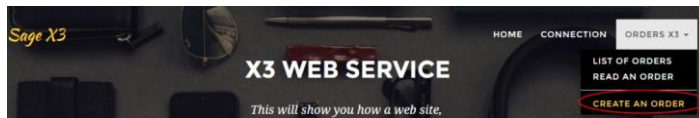
You can read orders by selecting from the list or by selecting **READ AN ORDER** from the **ORDERS X3** menu and entering the order number. For either method, you do not need to be logged in to the portal.

Click the order number for one of the orders in the list. This example uses order SOWFR0120004.

Clicking the order number or enter the order number provides detailed information about that order.

The screenshot shows the 'READ A X3 ORDER' page in Sage X3. It features a 'Selection' section with a text input for 'Order number' (containing 'SOWFR0120004') and buttons for 'Cancel' and 'READ ORDER'. Below this is a 'RESULT' section with a table showing order details. The table has columns: Site, Order num, Reference, and order date. The first row shows 'FR012', 'SOWFR0120004', and '05-04-2016'. Below this is another table with columns: Product, Designation, and Quantity. The first row shows 'DES010', 'Laser Printer B&W 10ppm', and '10'. The second row shows 'DES009', 'Standard 22" screen 1610', and '20'.

You can create an order in Enterprise Management using the portal. You need to be logged in to the portal to do this.



Remember, you defined the login and password for your portal in Config.php.

Open the file Config.php

```
need to connect to create an order; don't need to login to view orders
<?php
```

```
class Config {
    ...

    public static $WEB_SITE_LOGIN    = "websage";
    public static $WEB_SITE_PASSWD   = "websage";

}
?>
```

## Create an order

In addition to viewing orders, you can create a new order through the portal.

**Note:** To create a new order, you need to be logged into the Portal.

From the **ORDERS X3** pull-down menu, select **CREATE AN ORDER**.

Enter the relevant information as you would if you were working directly in your application and click **Submit**.

| Product                           | Quantity |
|-----------------------------------|----------|
| D0009 - Standard 22" screen 16:10 | 1        |
| D0008 - Laser Printer S&W i110pm  | 2        |

When the order has been created, click the order number to view details.



Selection

Order number: SOWFR0110008

Cancel SUBMIT

**RESULT**

| Site   | Order num    | Reference | order date |
|--------|--------------|-----------|------------|
| FR011  | SOWFR0110008 |           | 05-04-2016 |
| Client | Name of site |           |            |
| FR003  | Cybertek     |           |            |

| Product | Designation              | Quantity |
|---------|--------------------------|----------|
| DIS009  | Standard 22" screen 1610 | 1        |
| DIS010  | Laser Printer B&W 10ppm  | 2        |

In the WS entry transaction, you can see the same order:

Orders

Clear Filter

Order no. Sold-to

SOWFR0110008 FR003

SOWFR0110008 FR003

All > Sales > Orders

Super administrator

SEED folder: X3PUBTRA\tr\ solutions, local disc

MODEL

**Sales order WS : Web services**

M A P H

| Sales site | Type | Number       | Revision |
|------------|------|--------------|----------|
| FR011      | WEB  | SOWFR0110008 | 0        |

Reference: Comptech SA

Date: 04/05/16

Currency: EUR

Sold-to: FR003

Cybertek

**Delivery Lines**

|   | Product | Standard description     | Major version | Minor version | Ordered qty. |
|---|---------|--------------------------|---------------|---------------|--------------|
| 1 | DIS009  | Standard 22" screen 1610 |               |               | 1            |
| 2 | DIS010  | Laser Printer B&W 10ppm  |               |               | 2            |
| 3 |         |                          |               |               | 0            |

## For developers

This section provides details specifically addressed to developers who have an advanced knowledge of coding and web services. The YOSOH web service will still be used as an example.

This section describes how to initiate calls without using an external application, but using the Enterprise Management test tool. You can also see the PHP or C# codes used to call the same web services.

This web service is defined as an object with the WS optimized transaction.

All > Development > Script dictionary > Scripts

Super administratorSEED folder, X3PU9TRAIN solution, lo

Web services

Publication name

YOSOH

Sales orders

Type \*

☒ Object

☐ Sub-program

Definition

Mapping

Object

Object

SOH

Orders

Transaction

WS

☐ Invisible fields

Service

Script

Subprograms

Information

Published on

20160401190309

By

ADMIN

Program

WJYOSOH

## List the orders

In the PHP code:

Remember, the name of the Order web service is SOH.

Config::\$WS\_ORDER → YSOH

In /sagex3/page\_soh\_list.php

```
<?php

require_once
('WebService/models/Order.php');

try {

    $order = new Order ();
    echo ($order->showListe ());

} catch ( SoapFault

$e ) {

ToolsWS::printError

( "Web service not available" );

}

?>
```

In /sagex3/WebService/models/Order.php

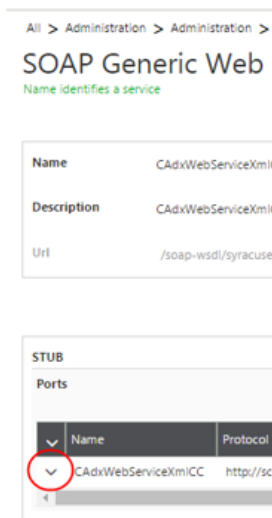
```
function showListe() {
    $WS = "";
    $this->CAdxResultXml = $this->query ( Config::$WS_ORDER, $WS,100);
    ...
}
```

In the application tool:

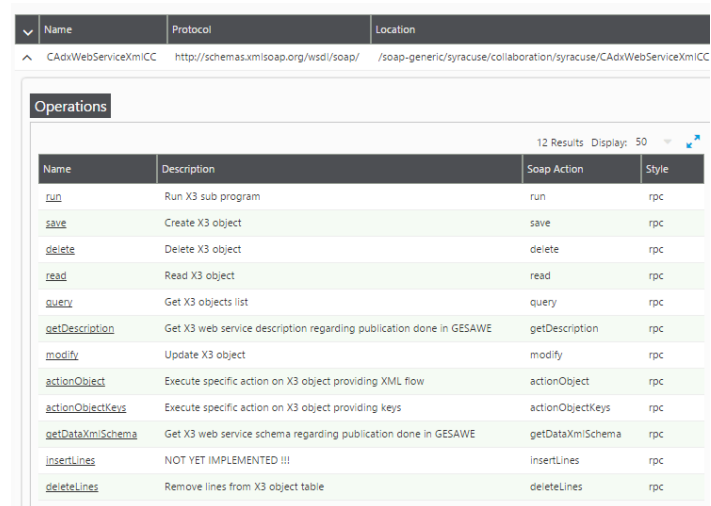
Navigate to **Administration > Administration > Web Services** and select **Classic SOAP Web Services**.

From the list of SOAP Generic Web Services, select this web service.

On the next screen, click the down arrow to see the list of Operations.



From the list of Operations, click **query**.



query

query \$request : Get X3 objects list

Super administrator

SEED folder: X3PUOTRAIN solution, local doc

Back

Forward

Invoke

Request

BODY \*

QUERY \*

CALL CONTEXT \*

Language code

ENG

Pool alias

SEED

Pool ID

Request configuration

adxwss.optreturn=JSON&adxwss.beautify=true

Public name \*

YOSOH

Object keys

+

Key

Value

No data to display

List size \*

20

The request configuration

`adxwss.optreturn=JSON&adxwss.beautify=true`  
means

`adxwss.optreturn=JSON`  
The output data format is JSON or XML, where

`adxwss.beautify=true`  
This action improves the presentation as shown below.

query

query \$request : Get X3 objects list

Request

Response 9 ✕

BODY

QUERY RESPONSE

QUERY RETURN

Messages

+

Message

Type

No data to display

Result XML/JSON

```
[
  {
    "SOHNUM": "SOWFR0120004",
    "BPCORD": "FR002",
    "ORDDAT": "05/04/2016",
    "CUSORDREF": "",
    "REP": "FR252",
    "DLVSTA": "1",
    "DLVSTA_LBL": "Not delivered",
    "POSCOD": "13770"
  },
  {
    "SOHNUM": "SOWFR0120003",
    "BPCORD": "FR001",
    "ORDDAT": "04/04/2016",
    "CUSORDREF": "",
    "REP": "FR251",

```

n the status is 1.

|                       |   |
|-----------------------|---|
| Status                | 1 |
| TECHNICAL INFORMATION |   |
| Busy                  | ✕ |



- 0= ERROR

## Read an order

In the PHP code:

In /sagex3/page\_soh\_read.php

```
<?php
...
echo
($order->showOne ( $sohnum ));
...
?>
```

In /sagex3/WebService/models/Order.php

```
function showOne($crit) {
    ...
    $cle = new CAdxParamKeyValue ();
    $cle->key = "SOHNUM";
    $cle->value = $crit;

    $this->CAdxResultXml = $this->read
    (Config::$WS_ORDER,Array($cle));
    ...
}
```

In the application tool:

You must call the Read operation with the key of the order.

a mis en forme : Allemand (Allemagne)

## read

read \$request : Read X3 object

### Request

**BODY \***

**READ \***

**CALL CONTEXT \***

Language code  
ENG

Pool alias  
SEED

Pool ID

Request configuration  
adxwss.optreturn=JSON&adxwss.beautify=true

Public name \*  
YOSOH

Object Keys  
+

Key  
No data to display

| Object keys |              |
|-------------|--------------|
| +           |              |
| Key         | Value        |
| SOHNUM      | SOWFR0110009 |

After selecting **Invoke**

+

Message  
No data to display

Result XML/JSON {  
"SOHO\_1": {  
"SALFCY": "FR011",  
"ZSALFCY": "Comptech SA",  
"SOHTYP": "WEB",  
"ZSOHTYP": "WEB"

## Create an order while logged in

Using the application tool:

At first you can copy the result of the JSON data from the read:

```

{
  "SOH0_1": {
    "SALFCY": "FR011",
    "ZSALFCY": "Comptech SA",
    "SOHTYP": "WEB",
    "ZSOHTYP": "WEB",
    "SOHNUM": " SOWFR0110009 ",
    "REVNUM": "0",
    "CUSORDREF": "",
    "ORDDAT": "20160406",
    "CUR": "EUR",
    ...

```

a mis en forme : Anglais (Royaume-Uni)

Replace the line: "SOHNUM": " SOWFR0110009 ", with "SOHNUM": " ",

In the tool, enter this data into the **Object Xml** field.

save

save \$request : Create X3 object

RequestResponse 5 ✕

BODY \*

SAVE \*

CALL CONTEXT \*

Language code

ENG

Pool alias

SEED

Pool ID

Request configuration

adxwss.optreturn=JSON&adxwss.beautify=true

Public name \*

YOSOH

Object Xml \*

```

{
  "SOH0_1": {
    "SALFCY": "FR011",
    "ZSALFCY": "Comptech SA",
    "SOHTYP": "WEB",

```

## Invoke

```
Result XML/JSON {
    "SOHO_1": {
        "SALFCY": "FR011",
        "ZSALFCY": "Comptech SA",
        "SOHTYP": "WEB",
        "ZSOHTYP": "WEB",
        "SOHNUM": "SOWFR0110012",
```

The code for the order that was created is in the JSON result:  
The status have the value 1.

|                       |   |
|-----------------------|---|
| Status                | 1 |
| TECHNICAL INFORMATION |   |

## PHP code:

### In /sagex3/page\_soh\_create\_action.php

```
<?php
...
try {
    $order = new Order ();
    echo ($order->create ( $WS ));
} catch ( SoapFault $e ) {
    ToolsWS::printError ( "web service not available" );
}
...
?>
```

### In /sagex3/WebService/models/Order.php

```
function create($WS) {
    $this->CAdxResultXml = $this->save ( Config::$WS_ORDER, $WS );
    ...
}
```

|



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