



Sage XRT Business Exchange

Version 12.4.200

Web Administration: Technical Guidelines



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Environment

Overview

Sage XRT Business Exchange Web Administration is a web module which enables you to set up the bank contracts of **Sage XRT Business Exchange** in a new web environment.

This document gathers the prerequisites and guidelines to install, use and maintain **Web Administration** module for **Sage XRT Business Exchange**.

Web Administration pages are based on development tools such as **Carbon** and **Kendo**.

Carbon is a *Sage* system of graphical presentation for web user interfaces. It consists of a range of styles, components, and guidelines to create a consistent interface.

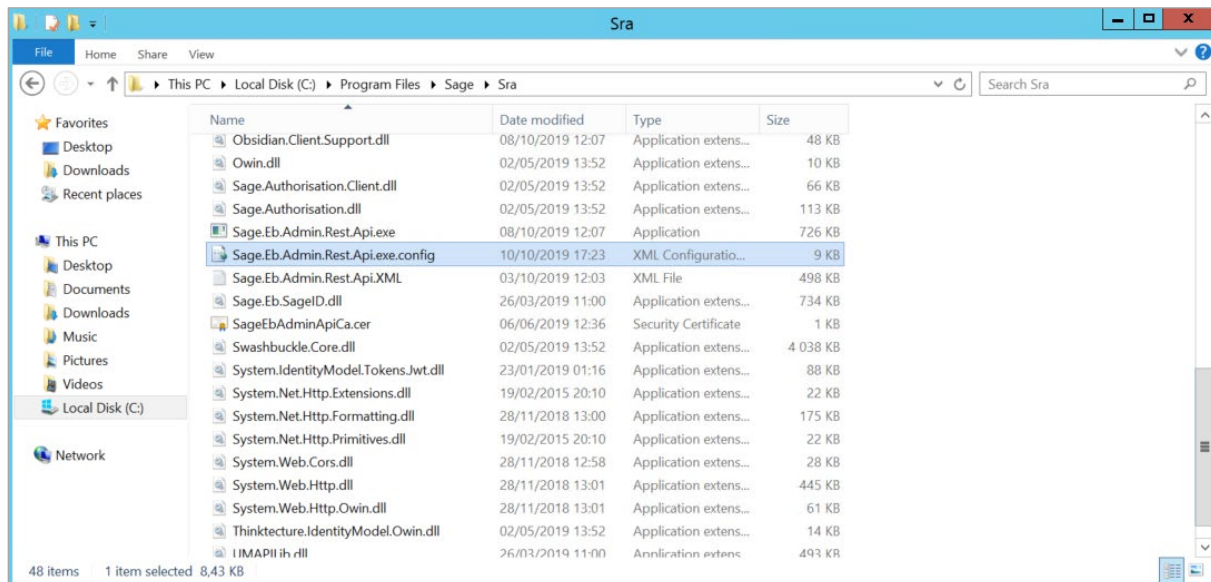
Recommended Environment

	Prerequisite Type	Prerequisite
Server Station	Operating System	Windows 2016 Server
	IIS	Version 9 and later
	Administration Station	Sage XRT Business Exchange 12.4.200
	Common Services	Sage XRT Common Services 5.2.0.1221
	Format Management	Sage Bank Format Library 4.7.0.1254
	Dedicated Service	Sage Eb Admin Rest Api (SRA) 3.2.0.111
Client Station	Browsers	Google Chrome 77
		Mozilla Firefox 69
		Microsoft Edge 42

Server Folders Structure

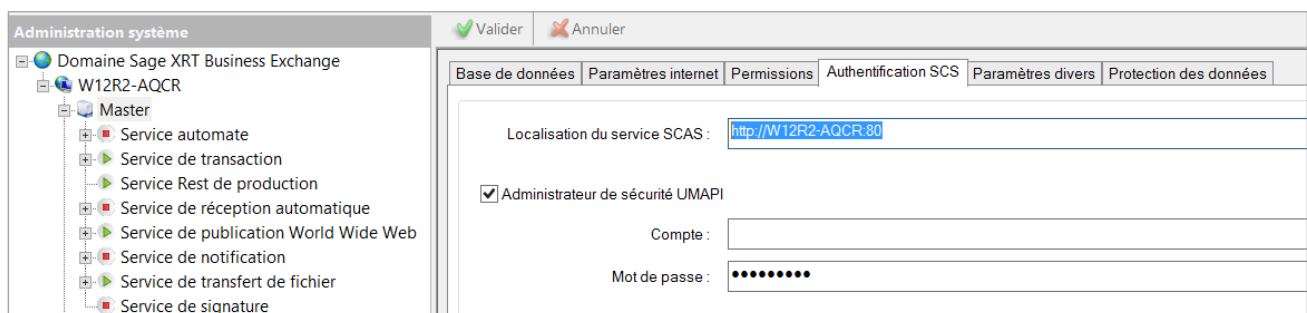
SRA Installation Folder

SRA is located in *C:\Program Files\Sage\Sra* and its configuration file is *Sage.Eb.Admin.Rest.Api.exe.config*.



Setting up SCAS and SCPS Addresses

The **SCAS** address for the sites must be specified in the **SCS Authentication** tab (see the example below for the default master site).



This address must be the same as the one specified in *SageEbAdminRestApi.exe.config* and *webihm.json* (see *Setting up Access Method*).

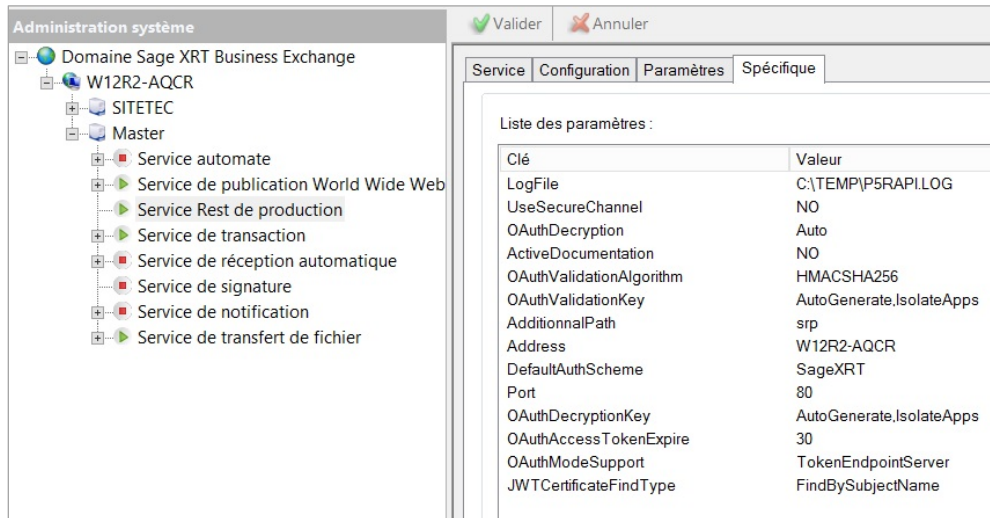
SCPS can be set up in the configuration files only.

SRP Configuration

The *Production Service Rest* must be set up in **System Administration** of **Sage XRT Business Exchange**.

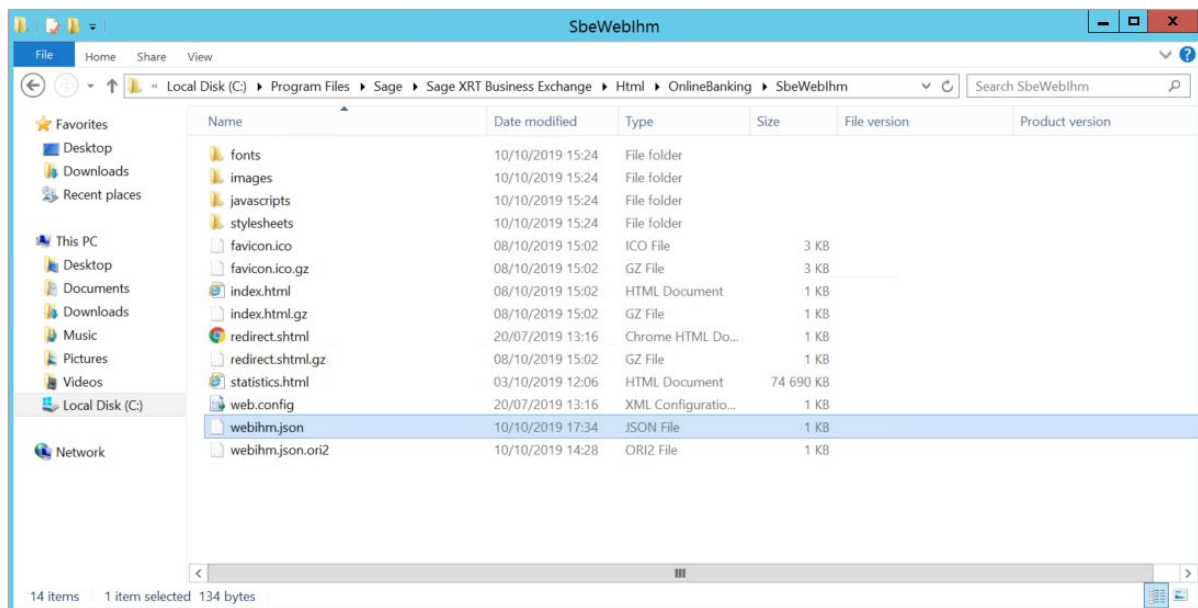
Server Folders Structure

In the example below, the station name (defined in the **Address** parameter) is **W12R2-AQCR**.



Web Administration Folder

Sage XRT Business Exchange Web Administration is located in *C:\Program Files\Sage\Sage XRT Business Exchange\Html\OnlineBanking\SbeWebIhm* and its configuration file is *webihm.json*.



SCAS and SCPS Folder

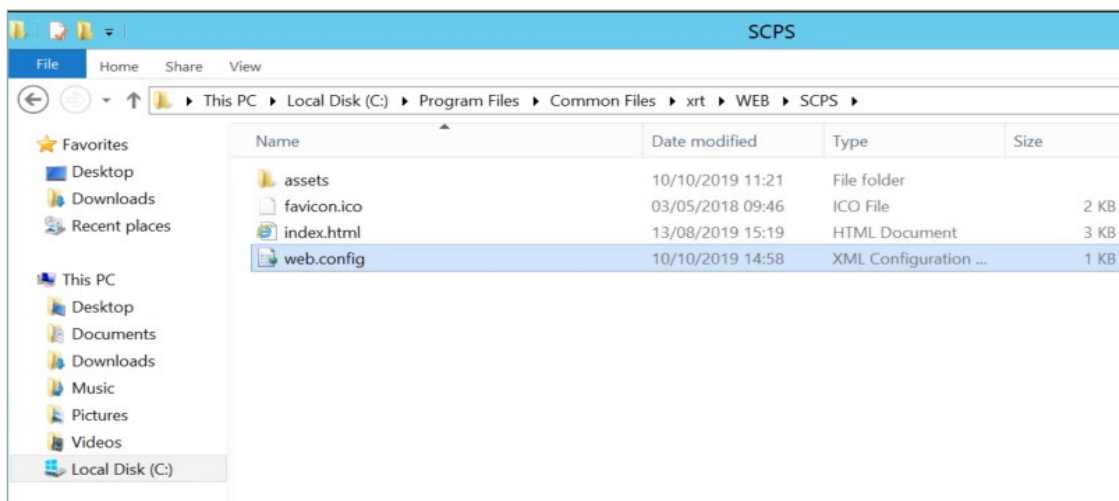
Both **SCAS** and **SCPS** are associated with **Sage XRT Business Exchange Web Administration**:

- **SCAS** is dedicated to the access authentication.
- **SCPS** enables the data management for usage rights and audit.

The installation folders for these services are respectively located in:

C:\Program Files\Common Files\xrt\WEB\SCAS and **C:\Program Files\Common Files\xrt\WEB\SCPS**

Each folder includes a configuration file: *web.config*.



Guidelines

Master Site Declaration

1. Once you installed **Sage XRT Business Exchange version 12.4.200**, open the **Administration** module of **Sage XRT Common Services** to declare the **MASTER** site and the other potential sites.
2. In the **Rights** menu and the **Sites** section, click **New site** to create the **MASTER** site.

3. Activate the site users and click **Create**.

Operation with IIS 8.5 and Previous Versions

IIS 8.5 and the previous versions cannot support the default security option to use **SXBE Web Administration**.

In this case, a 500 error is displayed.

To fix this error, delete the **<security>** segment from the *web.config* file.

Setting up Access Method

For the smooth operation of **Sage XRT Business Exchange Web Administration** site, the configuration files for **SRA** (*SageEbAdminRestApi.exe.config*) and for **Sage XRT Business Exchange Web Administration** (*webihm.json*) must contain the same values for the access method as those specified in the *Production Service Rest* for **SCPS**, **SCAS**, and **SRP**.

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <configuration>
3   <appSettings>
4     <add key="UseSecureChannel" value="false" />
5     <add key="SecureChannelCertificateName" value="" />
6     <add key="DefaultAuthScheme" value="SageXRT" />
7     <add key="Address" value="W12R2-AQCR" />
8     <add key="AdditionnalPath" value="sra" />
9     <add key="Port" value="80" />
10    <add key="ActiveDocumentation" value="false" />
11    <!-- Authentication FCS parameters-->
12    <add key="SCAS" value="http://W12R2-AQCR" />
13    <add key="SCPS" value="http://W12R2-AQCR" />
14    <!-- Authentication SageID parameters-->
15    <add key="SageIDAccessTokenEncryptionKey" value="Hhlnk2r3dYXtJouX6Zb223TCVMfd1fN1/gnmj6nZYU=" />
16    <add key="SageIDAccessTokenEncryptionInitialisationVector" value="OwUAAKjcp1sEQF/qTrU/g==" />
17    <add key="SageIDSSORootCertificateFindValue" value="CN=Sage SSO Identity Root (Pre-Production), O=" />
18    <add key="SageIDSSORootCertificateFindType" value="FindBySubjectDistinguishedName" />
19    <add key="SageIDAPIDefaultResource" value="SSO/France/EM/FRXrtOnlineBank/Default" />
20    <add key="SageIDAPIDefaultAction" value="Default" />
21    <add key="SageIDAPIAdminResource" value="SSO/France/EM/FRXrtOnlineBank/admin" />
22    <add key="SageIDAPIAdminAction" value="Default" />
23    <!-- Authentication OAuth2/Bearer parameters-->
24    <add key="OAuthDecryption" value="Auto" />
25    <add key="OAuthValidationAlgorithm" value="HMACSHA256" />
26    <add key="OAuthValidationKey" value="AutoGenerate,IsolateApps" />
27    <add key="OAuthDecryptionKey" value="AutoGenerate,IsolateApps" />
28    <add key="OAuthAccessTokenExpire" value="30" />
  
```

Administration système

Domaine Sage XRT Business Exchange

- W12R2-AQCR
 - Master
 - Service automate
 - Service de transaction
 - Service Rest de production
 - Service de réception automatique
 - Service de publication World Wide Web
 - Service de notification
 - Service de transfert de fichier
 - Service de signature

Base de données Paramètres internet Permissions Authentification SCS Paramètres divers Protection des données

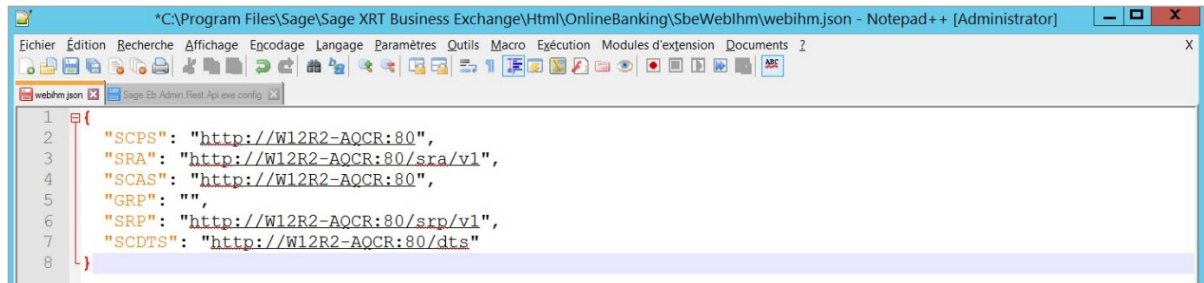
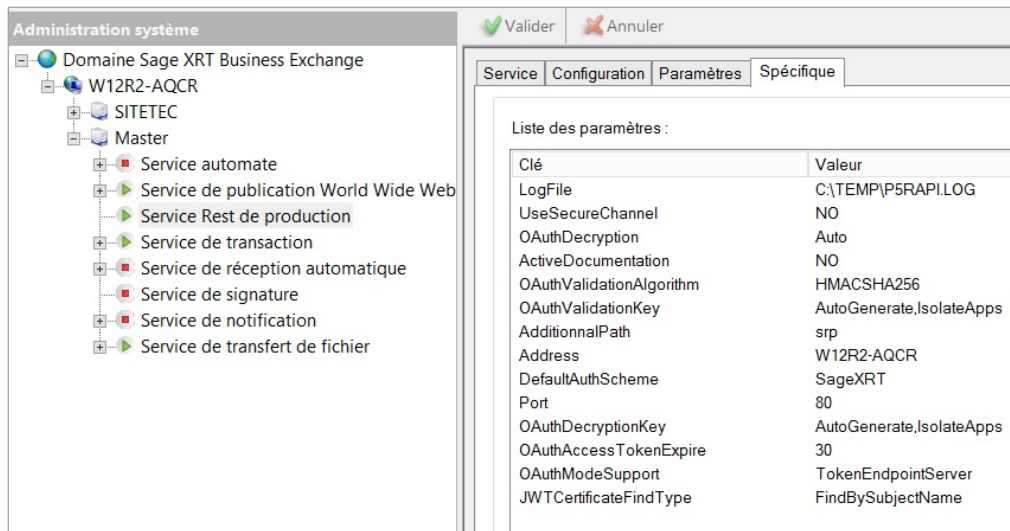
Localisation du service SCAS :

☒ Administrateur de sécurité UMAPI

Compte :

Mot de passe :

Guidelines



Connection with Edge and Firefox without Additional Authentication

Double Authentication can be avoided for the first connection to **Sage XRT Business Exchange Web Administration** site with **Edge** and **Firefox** browsers.

For this, the following modifications must be applied:

- In **Sage.Eb.Admin.Rest.Api.exe.config**, replace the value

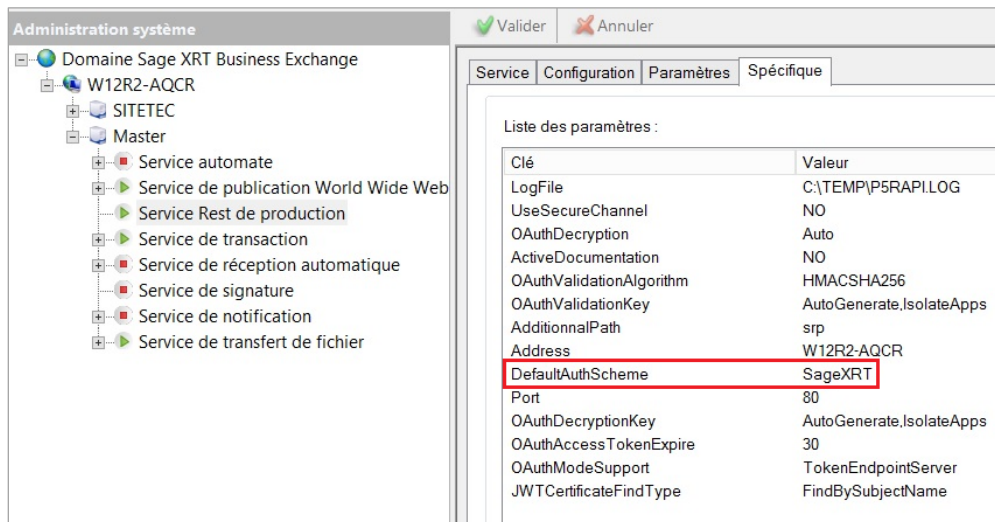
<add key="DefaultAuthScheme" value="Ntlm"/>

by

<add key="DefaultAuthScheme" value="SageXRT" />

Guidelines

- In the **Specific** tab of the *Production Service Rest*, for the **DefaultAuthScheme** parameter, replace the value **Ntlm** by **SageXRT**.

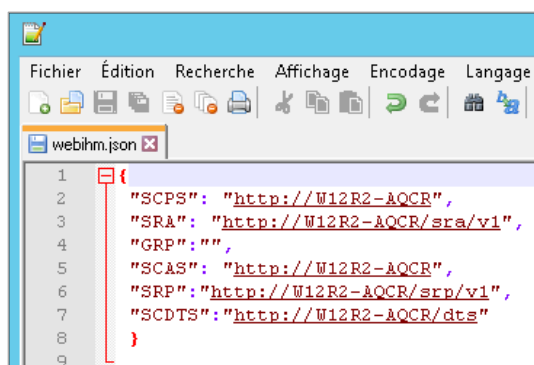


Connection between SXBE Web Administration, SCAS and SRA

The management of connections between **Sage XRT Business Exchange Administration Web** and its environment is ensured by **SRA** for the database and by **SCAS** for the authentication data.

For the database, **SRA** uses the connection *DSN* set up in *Sage.Eb.Admin.rest.Api.exe.config*.

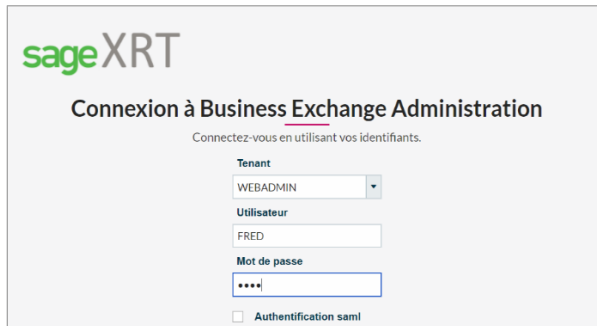
In the configuration file of **SXBE Administration Web** (*webihm.json*), the **GRP** parameter corresponds to the workgroup used by **SXBE Web Administration**.



Guidelines

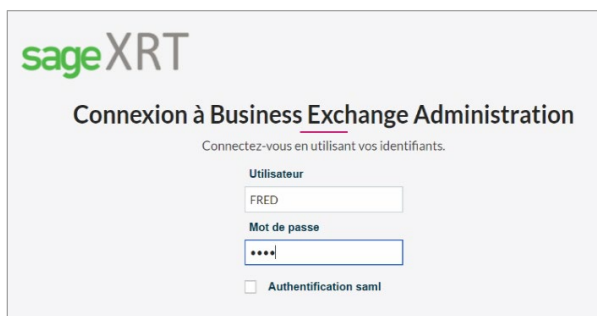
GRP Parameter Not Defined

If the **GRP** parameter is empty ("**GRP**":""") or if several comma-separated values are specified, you need to select a workgroup in the connection window.



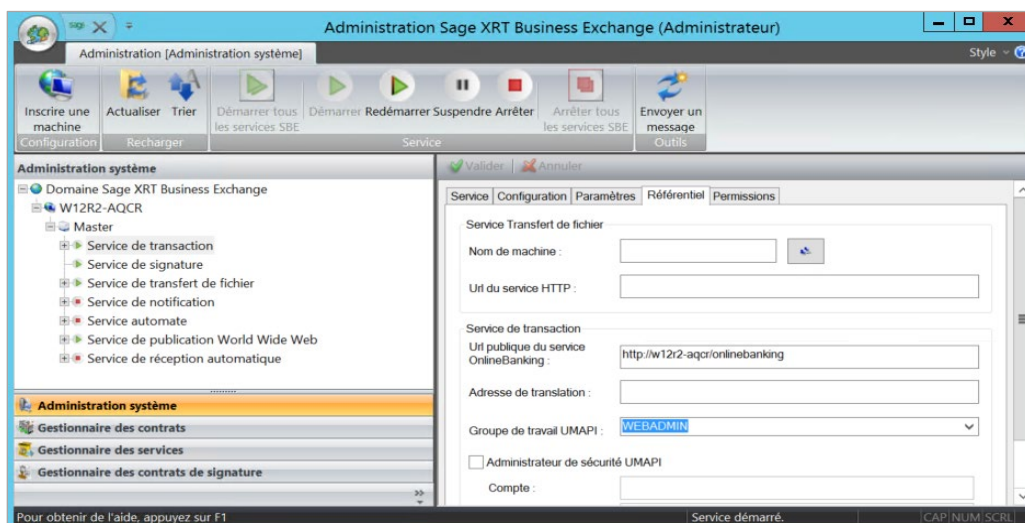
Defined Workgroup

If the **GRP** parameter is specified, the **SCAS** connection window does not display any option of workgroup.



The workgroup must correspond to the one used by **SRA**. Otherwise, the **Access Denied** error is displayed.

The workgroup must be specified in the **Repository** tab of the **Transaction Service**, in the **System Administration** module of **Sage XRT Business Exchange**.



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If it is not specified, it is then retrieved from *Sage.Eb.Admin.Rest.Api.exe.config*.

```
<!-- Tenant MASTER-->
<add key="DsnType" value="" />
<add key="Dsn" value="" />
<add key="OlbUrl" value="" />
<add key="ComComputerName" value="" />
<add key="UmapiWorkGroup" value="" />
<add key="UmapiLogin" value="" />
<add key="UmapiPassword" value="" />
<add key="UmapiProfil" value="" />
```

Undefined Workgroup

In this version, a workgroup which is not defined in the configuration, can be directly specified into the connection address.

To use this connection mode, enter:

"GRP": "UNDEFINED",

The connection to the site is performed through an address with the suffix:

/?GRP=<Workgroup name>.

Example: Connection potentially on two workgroups: **PRODUCTION** and **TEST** in **UNDEFINED** mode

```
{
"SCPS": "http://W12R2-AQCR",
"SRA": "http://W12R2-AQCR:9090/sra/v1",
"GRP": "UNDEFINED",
"SCAS": "http://W12R2-AQCR",
"SRP": "http://W12R2-AQCR/srp/v1",
"SCDTS": "http://W12R2-AQCR/dts"
}
```

To connect to the **PRODUCTION** workgroup, enter the address:

<http://W12R2-AQCR/sbewebihm/?GRP=PRODUCTION>

To connect to the **TEST** workgroup, enter the address:

<http://W12R2-AQCR/sbewebihm/?GRP=TEST>

Multisite Connection

After the declaration of all the required sites in the **Administration** module of **Sage XRT Common Services** (see *Master Site Declaration*), you need to declare the workgroup used for each site.

Guidelines

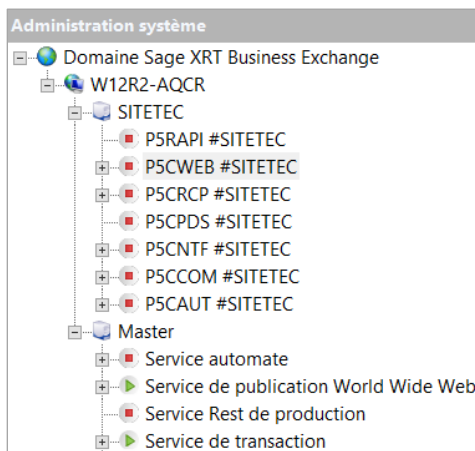
You can declare it either in the sites' **Transaction Service**, or in the *SageEbAdminRestApi.exe.config* file.

Important! The declaration through the **Transaction Service** prevails on the declaration through *SageEbAdminRestApi.exe.config*.


This implies that a declaration in *SageEbAdminRestApi.exe.config* is ignored if a workgroup is declared in the **Transaction Service**.

Declaration through Transaction Service

For each site, open the **Transaction Service (P5CWEB #<Site Name>)**.



In the **Repository** tab, specify the workgroup to use for this site in the **UMAPI Workgroup** field.

Service	Configuration	Paramètres	Référentiel	Permissions
Service Transfert de fichier				
Nom de machine :		<input type="text"/>		
Url du service HTTP :		<input type="text"/>		
Service de transaction				
Url publique du service OnlineBanking :		<input type="text" value="http://w12r2-aqcr/onlinebanking"/>		
Adresse de translation :		<input type="text"/>		
Groupe de travail UMAPI :		<input type="text" value="WKGRPSITE01"/>		
<input type="checkbox"/> Gestion de l'oubli du mot de passe				
URL :		<input type="text"/>		

Declaration through SageEbAdminRestApi.exe.config

For each site, edit the file in the following way.

Guidelines

In the section <!-- Autre Tenant XXXX-->:

```
<!-- Autre Tenant XXXX-->
<add key="DsnType[XXXX]" value="" />
<add key="Dsn[XXXX]" value="" />
<add key="OlbUrl[XXXX]" value="" />
<add key="ComComputerName[XXXX]" value="" />
<add key="UmapiWorkGroup[XXXX]" value="" />
<add key="UmapiLogin[XXXX]" value="" />
<add key="UmapiPassword[XXXX]" value="" />
<add key="UmapiProfil[XXXX]" value="" />
```

Declare the sites as well as their respective workgroups along with the line:

add key=ComComputerName.

Example:

```
<!-- Autre Tenant SITE01-->
<add key="DsnType[XXXX]" value="" />
<add key="Dsn[XXXX]" value="" />
<add key="OlbUrl[XXXX]" value="" />
<add key="ComComputerName[XXXX]" value="" />
<add key=" UmapiWorkGroup[SITE01]" value="WKGRPSITE01" />
<add key=" UmapiWorkGroup[SITE02]" value=" WKGRPSITE02" />
<add key="UmapiLogin[XXXX]" value="" />
<add key="UmapiPassword[XXXX]" value="" />
<add key="UmapiProfil[XXXX]" value="" />
```