



Sage XRT Business Exchange

Version 12.4

P5RAPI Service



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Description

P5RAPI service is a **Production Rest Service**. This type of Rest API enables you to exchange data with **Sage XRT Business Exchange** through the Rest API types described in the following paragraphs.

High-Level Administration Rest API

This type of Rest API enables you to administer the platform for **SGB** profile: creation of **SFB** provisioning, company publication, etc.

Plain Production Rest API

This type of Rest API enables you to monitor the bank flows life cycle: new file in the Signature Station, file received or sent, statuses, etc.

Extended Production Rest API

This type of Rest API enables you to access advanced production APIs in order to obtain the list of Files to Sign or to send for example.

Consortium Signature Cloud API

This type of Rest API enables you to manage certificates within the cloud in compliance with CSC standard in order to obtain the certificates list, calculate or obtain signatory authentication, for example.

Business Activity Monitoring API

This type of Rest API enables you to retrieve info (statistics for consumptions, usages and other technical details) on the product and its environment in order to get the list of the available statistical templates or start an analysis, for example.
It can also enable you to launch and get results from your maintenance plans.

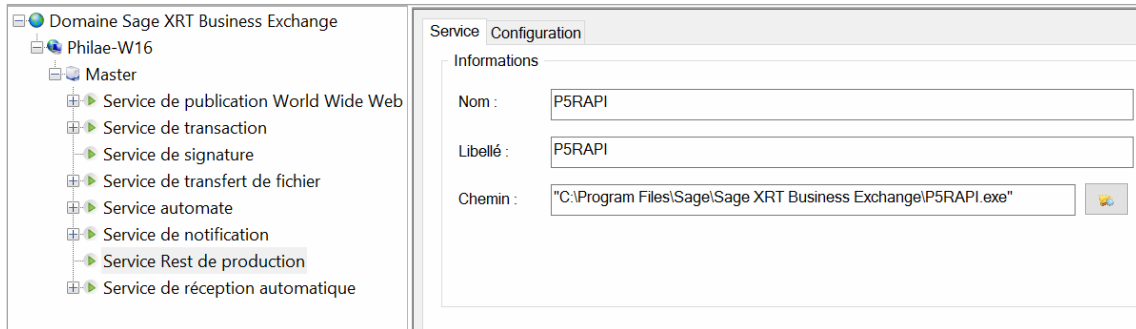
Extended Production Com API

This type of Rest API enables you to access communication APIs in order to initialize, renew or revoke bank contracts, or edit initialization letters, for example.

Installation

Installation

P5RAPI service is included into **Sage XRT Business Exchange** installation package.



P5RAPI must be started with a service account.

Documentation on the Rest APIs of **P5RAPI** is available on **[http\(s\)://Hostname/srp/swagger](http(s)://Hostname/srp/swagger)**. *Srp (SBE Rest Production)

You can view all the APIs that are already available in this version.

Swagger Sage SXBE REST PRODUCTION API

Sage Business Exchange Rest Production Api

Created by Sage XRT Electronic Banking Philae Team
See more at <http://www.sage.fr>
[Contact the developer](#)
[Sage Copyright 2019](#)

Business Activity Monitoring Api	Show/Hide	List Operations	Expand Operations
COM Extended Production Api	Show/Hide	List Operations	Expand Operations
CSC Production Api	Show/Hide	List Operations	Expand Operations
Information version Api	Show/Hide	List Operations	Expand Operations
PDS Extended Production Api	Show/Hide	List Operations	Expand Operations
SFB Production Api	Show/Hide	List Operations	Expand Operations
Simple Production Api	Show/Hide	List Operations	Expand Operations

Access to APIs is restricted to the following rights in **Sage XRT Common Services**.

Sage XRT Business Exchange	<input checked="" type="checkbox"/>	Administration Système
	<input checked="" type="checkbox"/>	Gestionnaire de Contrats
	<input checked="" type="checkbox"/>	Gestionnaire de Services
	<input checked="" type="checkbox"/>	Suivi
Sage XRT Administration Service	<input checked="" type="checkbox"/>	Gestionnaire des Contrats de Signature Rest Api
	<input checked="" type="checkbox"/>	Apis of administration
	<input checked="" type="checkbox"/>	Apis of simple production
Sage XRT Functional Service	<input checked="" type="checkbox"/>	Apis of extended production

Configuration

Configuration

You must set up the service from the **System Administration** interface.

Clé	Valeur
UseSecureChannel	NO
OAuthDecryption	Auto
ActiveDocumentation	NO
OAuthValidationAlgorithm	HMACSHA256
OAuthValidationKey	AutoGenerate,IsolateApps
AdditionalPath	srp
Address	philae-W16
DefaultAuthScheme	Anonymous
Port	80
SCAS	http://localhost:80
OAuthDecryptionKey	AutoGenerate,IsolateApps
OAuthAccessTokenExpire	30
OAuthModeSupport	TokenEndpointServer
JWTCertificateFindType	FindBySubjectName

The setup wizard accompanies you in this configuration.

Assistant de paramétrage du service Rest

Cet assistant vous permet facilement de saisir ou modifier les paramètres spécifiques de ce profil.

Général | OAuth | Jwt | Saml

Activer l'utilisation de Https

Nom de host :

Numéro de port :

Path additionnel :

Nom du certificat :

Mode d'authentification :

Activer la documentation swagger

Nom du fichier de trace :

Valider | Annuler

Configuration

Key	Comments
General Settings	
<i>UseSecureChannel</i>	https or http , by default Yes (https)
	Server Name, empty by default (Station Name)
<i>AdditionnalPath</i>	Access Path to Rest API, by default srp
<i>Port</i>	Access Port to Rest API, by default 443
<i>LogFile</i>	Service path and log, by default deactivated if no value entered
<i>ActiveDocumentation</i>	Select to activate swagger documentation
<i>DefautAuthScheme</i>	Authentication Method <ul style="list-style-type: none"> • Ntlm (default) • SageXRT (based on SCAS service) • Negotiate (Ntlm and/or Kerberos) • IntegratedWindowsAuthentication • Basic • Digest • Anonymous • SageID • OAuth (OAuth2 version) • Saml (SamlV2 version) • Jwt (Json Web Token)
OAuth Authentication Parameters	
<i>OAuthDecryption</i>	Autogenerated decryption key, default value: Auto
<i>OAuthValidationAlgorithm</i>	Autogenerated validation algorithm, default value: HMACSHA256
<i>OAuthValidationKey</i>	Autogenerated validation key, AutoGenerate , IsolateApps
<i>OAuthDecryptionKey</i>	Autogenerated decryption key, AutoGenerate , IsolateApps
<i>OAuthAccessTokenExpire</i>	Access Token Lifetime in minutes, 30 by default
<i>OAuthModeSupport</i>	Value: TokenEndpointServer When TokenEndPoint is specified, P5RAPI becomes an identity and access token server. To recover a valid <i>OAuth2</i> token, P5RAPI + /token address must be called. If not specified, P5RAPI remains a resources server.

Configuration

Key	Comments
JWT Authentication Parameters	
<i>Realm</i>	JWT domain
<i>Issuer</i>	Issuer value
<i>Audience</i>	Audience value
<i>Secret</i>	Secret value
<i>Certificate</i>	Certificate Name
<i>CertificateFindType</i>	Search method for certificate, by default <i>DN</i> of certificate object name. Value: FindBySubjectDistinguishedName
SAML Authentication Parameters	
<i>Audience</i>	Audience value
<i>ThumbPrint</i>	Issuer Thumb Print value
<i>Issuer</i>	Issuer Name value

Additional Information

Additional Information

The service can be used in Debug Mode through:

\\Program Files\Sage\Sage XRT Business Exchange\p5rapi.exe NoService

The log file is stored in the location specified during the service setup.
You must specify the **=LogFile** value.

```
EventId : 6
Keywords : 1
Level : Error
Message : Failure
Opcode : Info
Task : 65528
Version : 0
Payload : [message : Certificate not Found Exception] [source : Sage.Eb.UniSign.Windows] [stack : CN=localhost
EventName : FailureInfo
Timestamp : 2020-03-13T14:23:34.7544600Z
ActivityId : c832b55d-7bc3-4bb8-b001-c240cd1e0b02

EventId : 1, Level : Informational, Message : Starting service Create SSL Certificate: CN=localhost,O=EbAdmi
```

The events occurring on **P5RAPI** are logged in the monitor.

Date & Heure	Source	Détail
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Http Listener on Url=http://philaee-w16 :80/srp
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Maximum completion port threads=1000
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Maximum worker threads=32767
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Default UmapiWorkGroup=WORCKGROUP
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Default tenant=Master, mode=mono
26/03/2020 17:51:14	P5RAPI	Démarrage du service : AuthScheme=Anonymous
26/03/2020 17:51:11	P5RAPI	Arrêt du service...
26/03/2020 17:50:02	P5RAPI	Démarrage du service : Http Listener on Url=http://philaee-w16 :80/srp
26/03/2020 17:50:02	P5RAPI	Démarrage du service : Maximum completion port threads=1000
26/03/2020 17:50:02	P5RAPI	Démarrage du service : Maximum worker threads=32767
26/03/2020 17:50:01	P5RAPI	Démarrage du service : Default UmapiWorkGroup=WORCKGROUP
26/03/2020 17:50:01	P5RAPI	Démarrage du service : Default tenant=Master, mode=mono
26/03/2020 17:50:01	P5RAPI	Démarrage du service : AuthScheme=Anonymous
26/03/2020 17:49:58	P5RAPI	Arrêt du service...
26/03/2020 16:52:48	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/csc/v1/credentials/info, respons=200
26/03/2020 16:52:04	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/csc/v1/credentials/list, respons=200
26/03/2020 16:51:53	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/csc/v1/credentials/list, respons=400
26/03/2020 16:51:10	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/csc/v1/credentials/info, respons=400
26/03/2020 16:50:23	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/images/throbber-gif, resp
26/03/2020 16:50:08	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/docs/v1, respons=200 OK
26/03/2020 16:50:07	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/images/favicon-32x32-pi
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/highlight-9-1-0-pack_ε
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/css/print-css, respons=20
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/arked-js, respons=2
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/swagger-oauth.js, resp
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/query-wiggle-min-js.r
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/images/logo_small-png,
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/object-assign-pollyfill
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philaee-w16 /srp/swagger/ui/lib/jsoneditor-min-js, resp

Information

Détail de l'événement

Général

Date : 26/03/2020 17:51:14

Type : Information

Ordinateur : PHILAE-W16

Source : P5RAPI

Utilisateur : hat

Réf. Interne :

Réf. Externe :

Description : Démarrage du service : Maximum completion port threads=1000