



Sage XRT Business Exchange

Version 12.4.200

P5RAPI Service



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Description

P5RAPI is a **production REST service**. P5RAPI service enables you to exchange data with **Sage XRT Business Exchange** through the REST APIs described in the following sections.

High-Level Administration REST API

This type of REST APIs enables the management of the platform for **SFB** profile: **SFB** provisioning, company publication, etc.

Plain Production REST API

This type of REST APIs monitors the bank flows life cycle, for example, when a file is added into the Signature Station, when files are received or sent, statuses, etc.

Extended Production REST API

This type of APIs enables access to advanced production APIs, for example to obtain the list of files to sign, or to send, etc.

Consortium Signature Cloud API

This type of APIs enables the management of certificates in the cloud in compliance with **CSC** standard, for example to get the certificates list, to calculate signatures or to authenticate signatories.

Business Activity Monitoring API

This type of APIs enables the retrieval of info. (statistics of consumption or use, technical data, etc.) on the product and its environment, for example to get the list of the available statistical models, to start an analysis, etc.

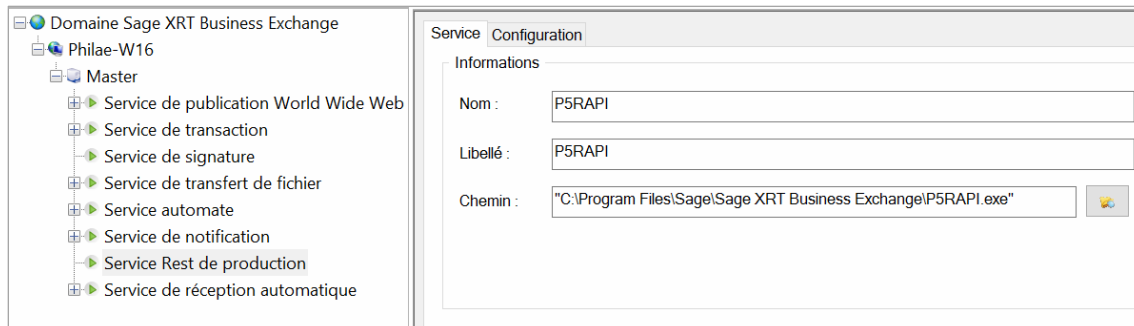
These APIs also launch your maintenance plans and get results from them.

Extended Production Com API

This type of APIs enables access to communication APIs, for example to initialize, renew and revoke bank contracts or to edit initialization letters.

Installation

P5RAPI production REST service is included in the installation package of **Sage XRT Business Exchange**.



P5RAPI must be started with a service account.

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

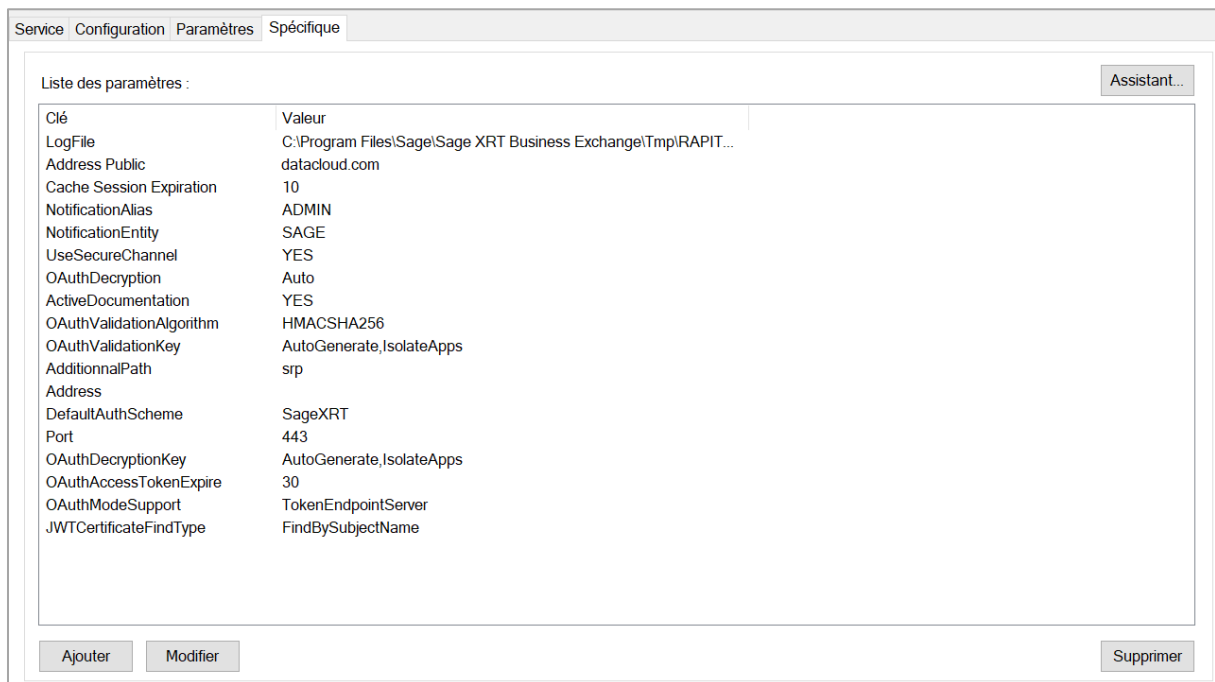
Swagger Sage SXBE REST PRODUCTION API			
Sage Business Exchange Rest Production Api			
Created by Sage XRT Electronic Banking Philae Team See more at http://www.sage.fr Contact the developer Sage Copyright 2019			
Business Activity Monitoring Api	Show/Hide	List Operations	Expand Operations
COM Extended 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 API is restricted to the following rights in **Sage XRT Common Services**.

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

Configuration

You need to set up the service from the **System Administration** interface.



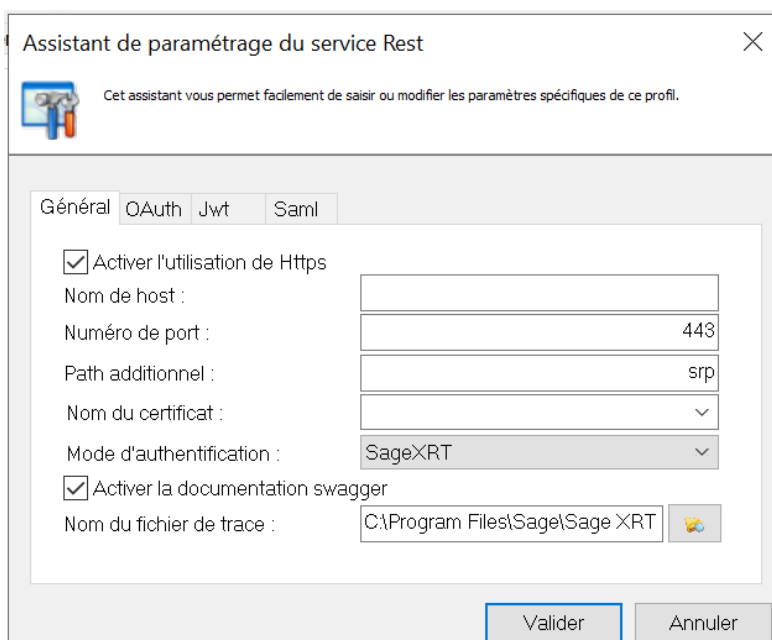
Service Configuration Paramètres Spécifique

Liste des paramètres :

Clé	Valeur
LogFile	C:\Program Files\Sage\Sage XRT Business Exchange\Tmp\RAPIT...
Address Public	datacloud.com
Cache Session Expiration	10
NotificationAlias	ADMIN
NotificationEntity	SAGE
UseSecureChannel	YES
OAuthDecryption	Auto
ActiveDocumentation	YES
OAuthValidationAlgorithm	HMACSHA256
OAuthValidationKey	AutoGenerate,IsolateApps
AdditionalPath	srp
Address	
DefaultAuthScheme	SageXRT
Port	443
OAuthDecryptionKey	AutoGenerate,IsolateApps
OAuthAccessTokenExpire	30
OAuthModeSupport	TokenEndpointServer
JWTCertificateFindType	FindBySubjectName

Ajouter Modifier Supprimer Assistant...

A setup wizard helps you go through the process.



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 https)
	Server Name, empty by default (Station Name)
<i>AdditionnalPath</i>	Access Path to REST API, by default srp
<i>Adress Public</i>	Public address of the server
<i>Cache Session expiration</i>	General Cache Timeout, 10 minutes by default
<i>NotificationAlias</i>	Alias for the notification, used for signature
<i>NotificationEntity</i>	Entity Alias for the notification, used for signature
	REST API access port, 443 by default
<i>LogFile</i>	By default path and log of the service, deactivated if no value is specified
<i>ActiveDocumentation</i>	To select to enable the 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>	Self-generated decryption key, default value: Auto
<i>OAuthValidationAlgorithm</i>	Self-generated validation algorithm, HMACSHA256 by default
<i>OAuthValidationKey</i>	Self-generated validation key, AutoGenerate, IsolateApps
<i>OAuthDecryptionKey</i>	Self-generated decryption key, AutoGenerate, IsolateApps

Configuration

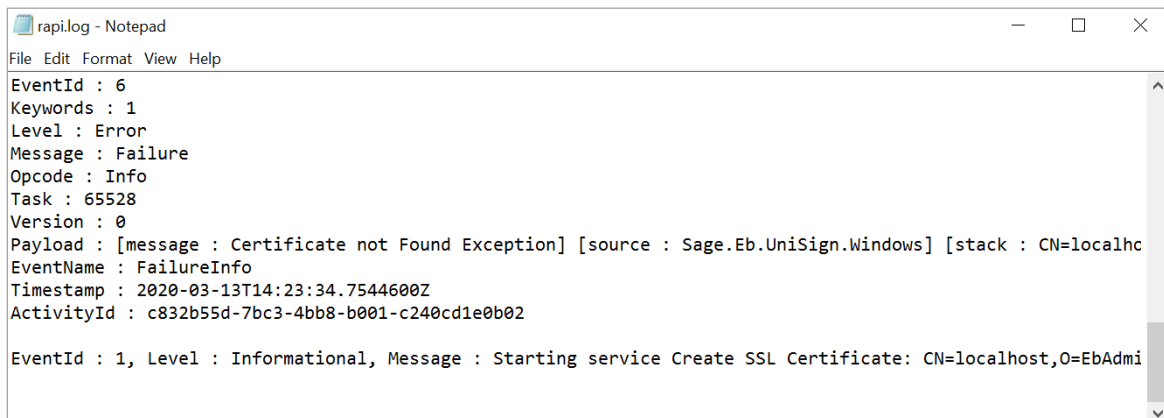
Key	Comments
<i>OAuthAccessTokenExpire</i>	Access Token Lifetime in minutes indicates 30 by default
<i>OAuthModeSupport</i>	Value: TokenEndpointServer When TokenEndPoint is specified, P5RAPI becomes an identity and access token server. To recover a valid Oauth2 token, P5RAPI + /token address must be called. If not specified, P5RAPI is just a resources server.
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 DN 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

The service can be used in Debug Mode through:

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

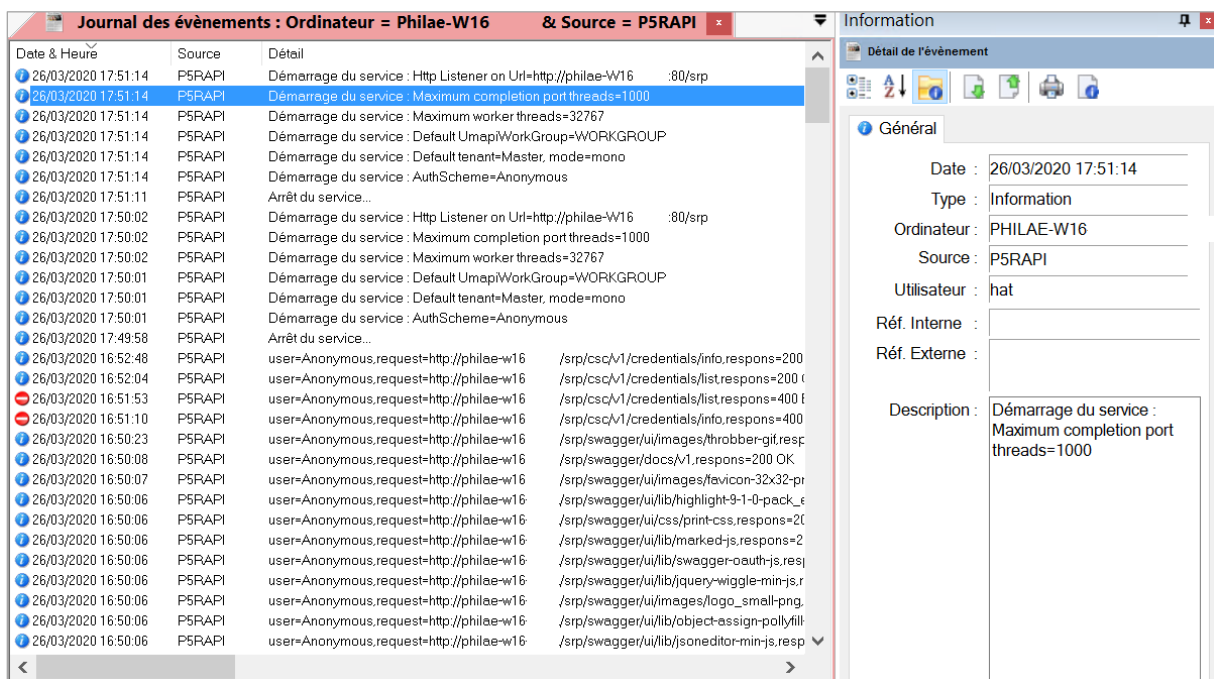
The log file can be accessed in the location specified during the services setup.
The value = **LogFile** must be specified.



```
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** production **REST** service are registered in the monitor.



Date & Heure	Source	Détail
26/03/2020 17:51:14	P5RAPI	Démarrage du service : Http Listener on Url=http://philae-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=WORKGROUP
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://philae-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=WORKGROUP
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://philae-w16 /srp/csc/v1/credentials/info, respons=200
26/03/2020 16:52:04	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/csc/v1/credentials/list, respons=200
26/03/2020 16:51:53	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/csc/v1/credentials/list, respons=400
26/03/2020 16:51:10	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/csc/v1/credentials/info, respons=400
26/03/2020 16:50:23	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/images/throbber.gif, resp=200
26/03/2020 16:50:08	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/docs/v1, respons=200 OK
26/03/2020 16:50:07	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/images/favicon-32x32-png, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/highlight-9-1-0-pack-ess, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/css/print-css, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/marked-js, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/swagger-oauth.js, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/query-wiggle-min.js, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/images/logo_small.png, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/object-assign-polyfill, respons=200
26/03/2020 16:50:06	P5RAPI	user=Anonymous,request=http://philae-w16 /srp/swagger/ui/lib/jsoneditor-min.js, respons=200

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