# Sage XRT Business Exchange

## Version 12.4.200

## New Features

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# General

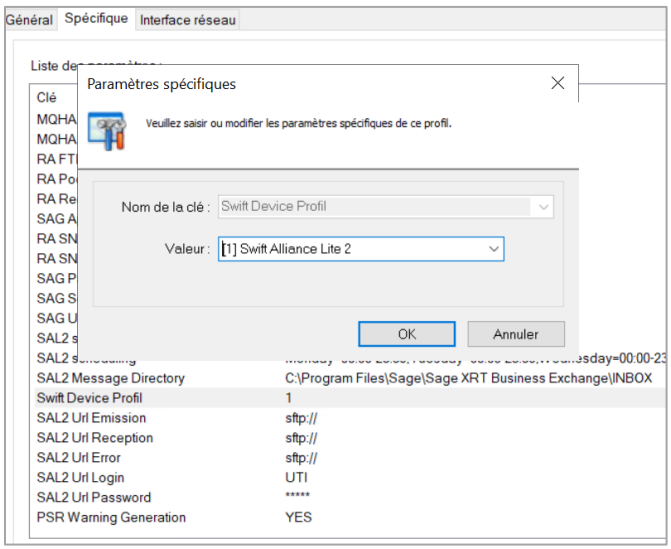
## Alliance Lite2

*PTCSwiftRA.dll* module supports the interface of Swift **Alliance Lite2**.

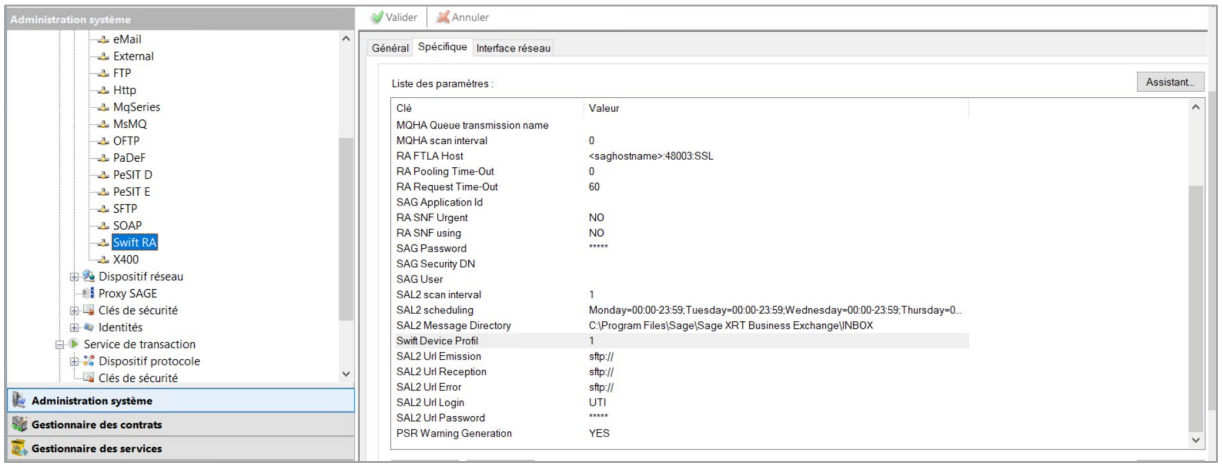
### System Administration

*System Administration - File Transfer Service - Protocol Device - Swift RA*

The **[1] Swift Alliance Lite 2** value must be selected for the *Swift Device Profile* variable (**Key Name**).




The parameters for **Alliance Lite2** start with *SAL2*.




The setup wizard enables you to specify values.

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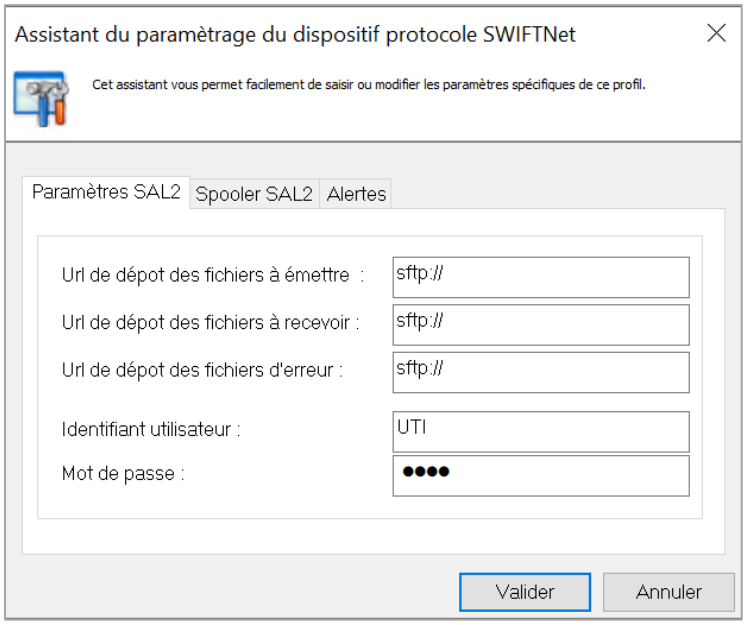
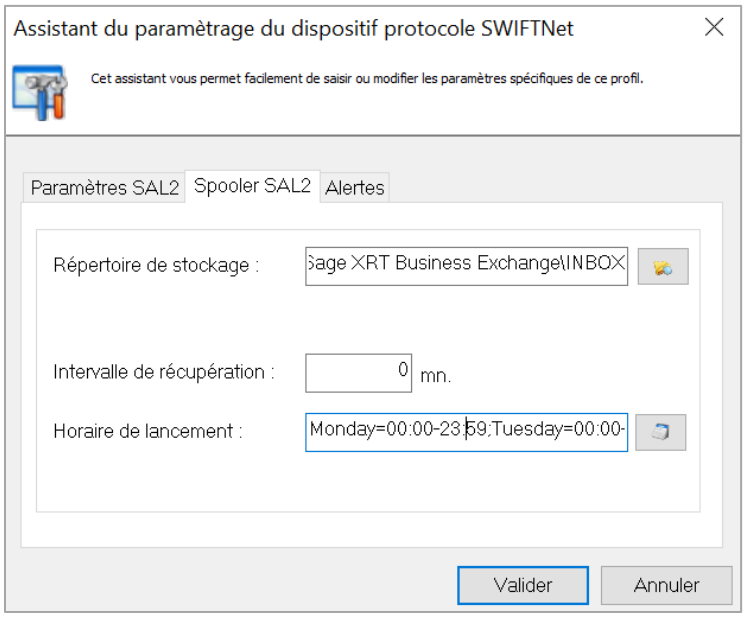
## General

In **SAL2 Parameters** tab, specify the URL provided, as well as your username and password.




The supported protocols are: *SFTP*, *FTP*, *HTTP*, *HTTPS* and file sharing.

The **Spooler SAL2** tab specifies the storage directory.

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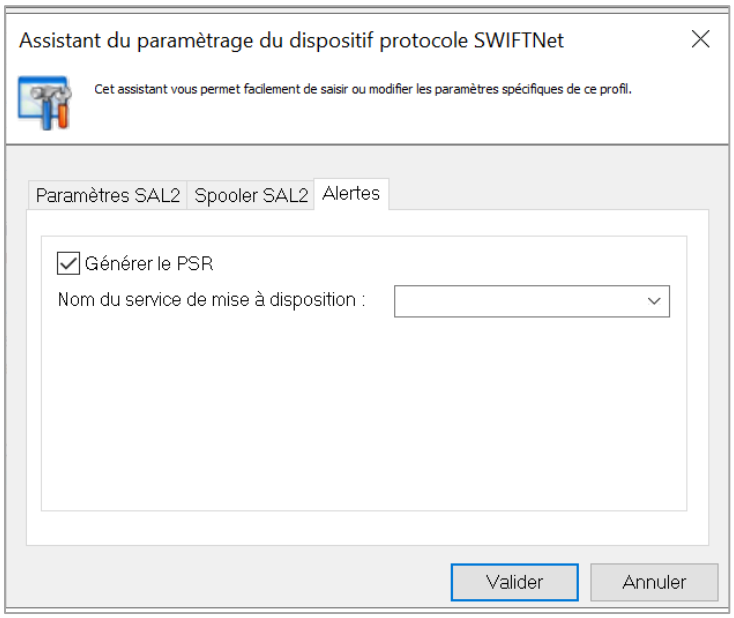
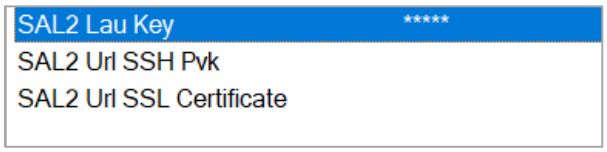
### General

In the **Alerts** tab, specify the service used for the acknowledgment delivery.




The three following variables can be added:

- **SAL2 Lau Key**: LAU key provided.
- **SAL2 Url SSH Pvk**: Authentication key file for SSH client and SFTP connection.
- **SAL2 Url SSL Certificate**: File X509 Certificate for client and HTTPS connection.




**Note**: Swift FTI is obsolete, all parameters have been deleted.

## Contract Manager

*Contract Manager - SwifNet Requestor*

These setup tabs are the same as the setup tabs for RAHA.

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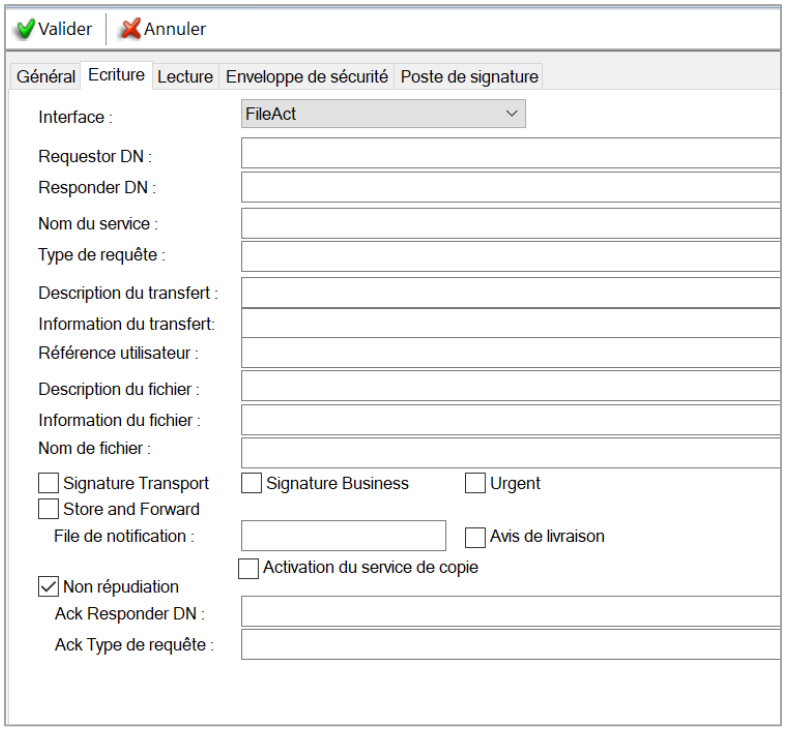
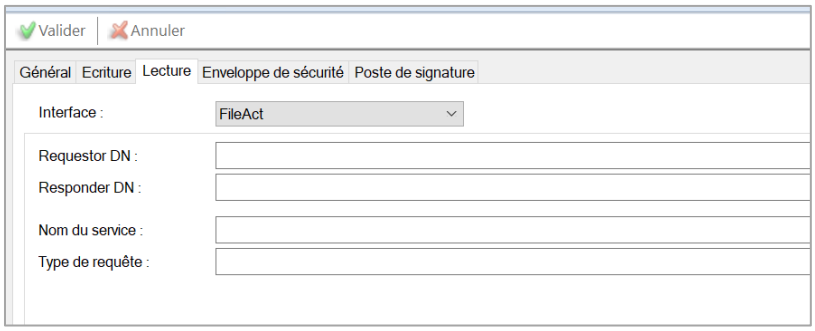
## General

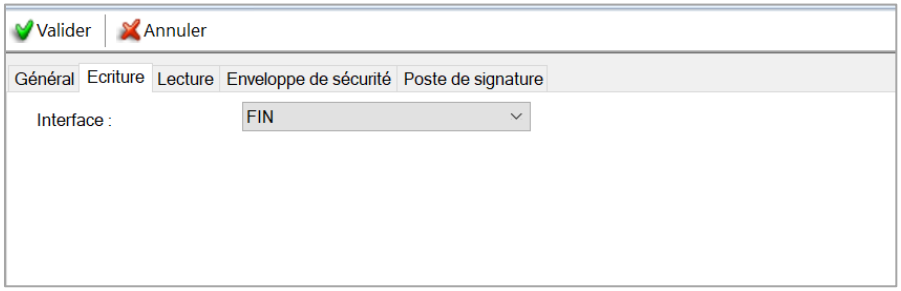
FileAct **Write** direction:




FileAct **Read** direction:




FIN **Write** direction:




For **FIN**, blocks 1 and 2 must be included into the file to be transmitted.

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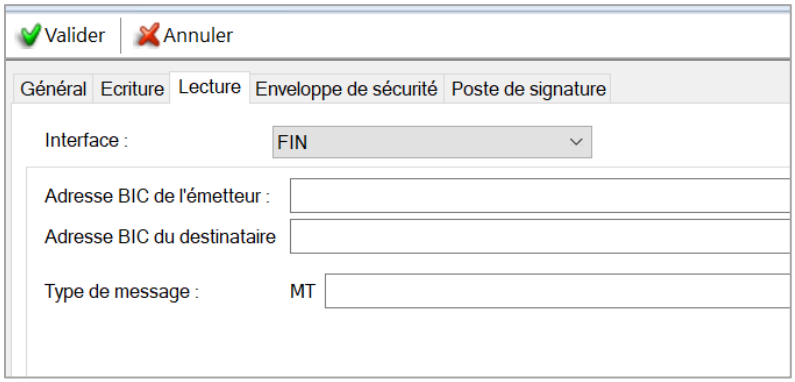
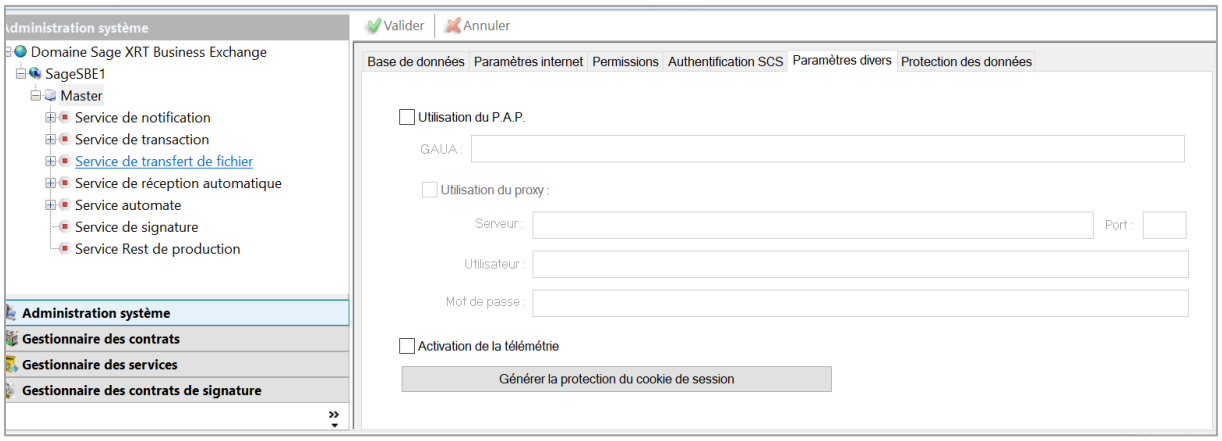
### General

FIN **Read** direction:




## Protection for Session Cookie

Activate the AES-256 encryption of the session cookie by clicking **Generate protection for session cookie** in the **Miscellaneous Parameters** tab of the master site.




You must restart the transaction service and IIS site to complete the activation process.

## Utimaco Support

You can now use *Utimaco* (HSMBOX) to ensure the secure storage of the key pairs used for the secure connections (SSL/TLS type) and transaction and order signatures.

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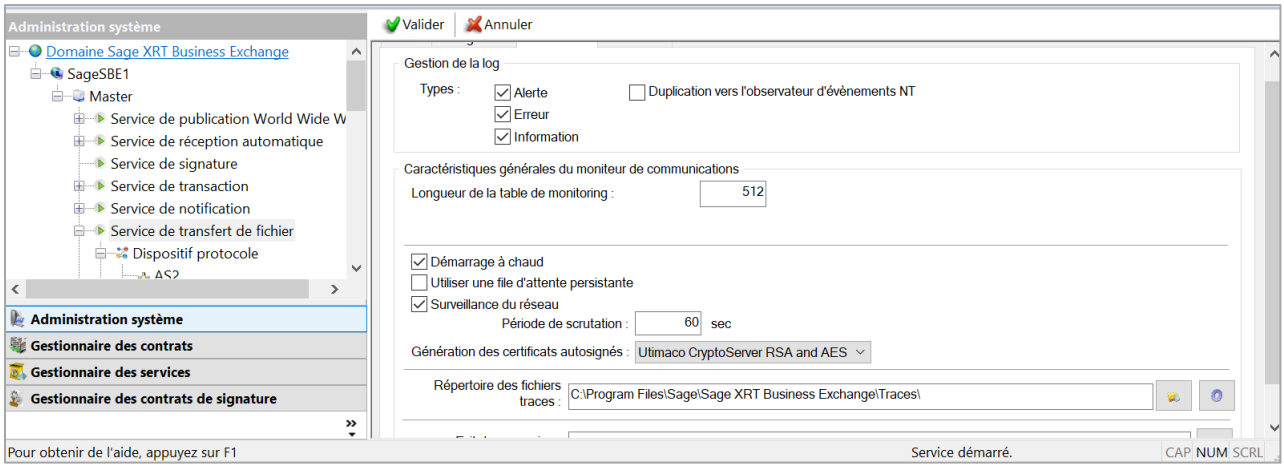
### General

The screenshot below illustrates the setup for this device.




**Warning**: Do not use this setup without **Umatico CryptoServer**.

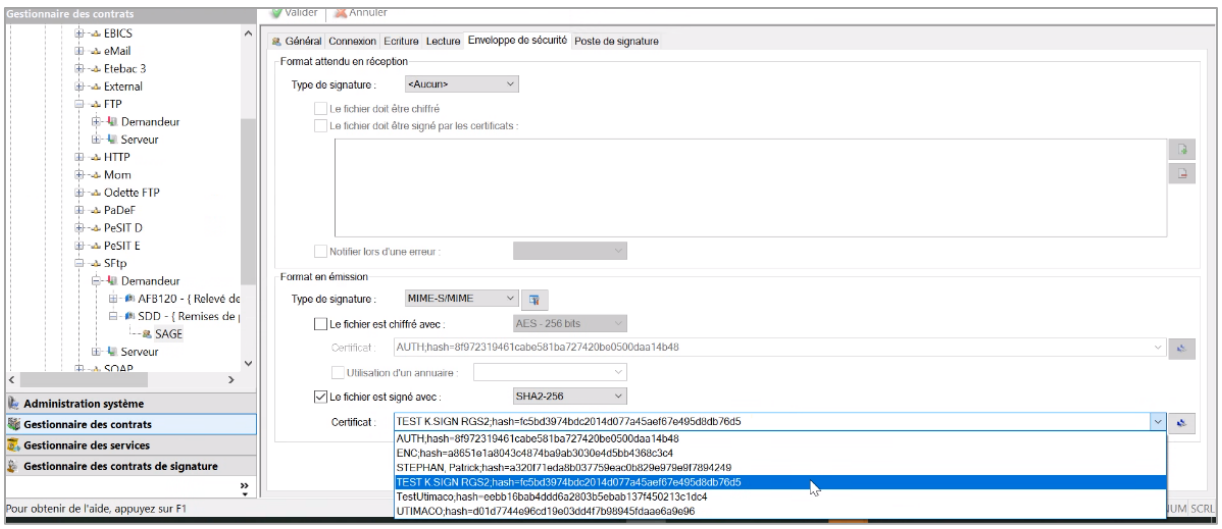
## Support of Elliptic Curve Protocols

The SFTP server is now compatible with Elliptic Curve Algorithms for the connection process.

## Certificates Check

Certificates can be checked thanks to their *hash* in all the **Sage XRT Business Exchange** modules. The *hash* ensures the identification of valid certificates.

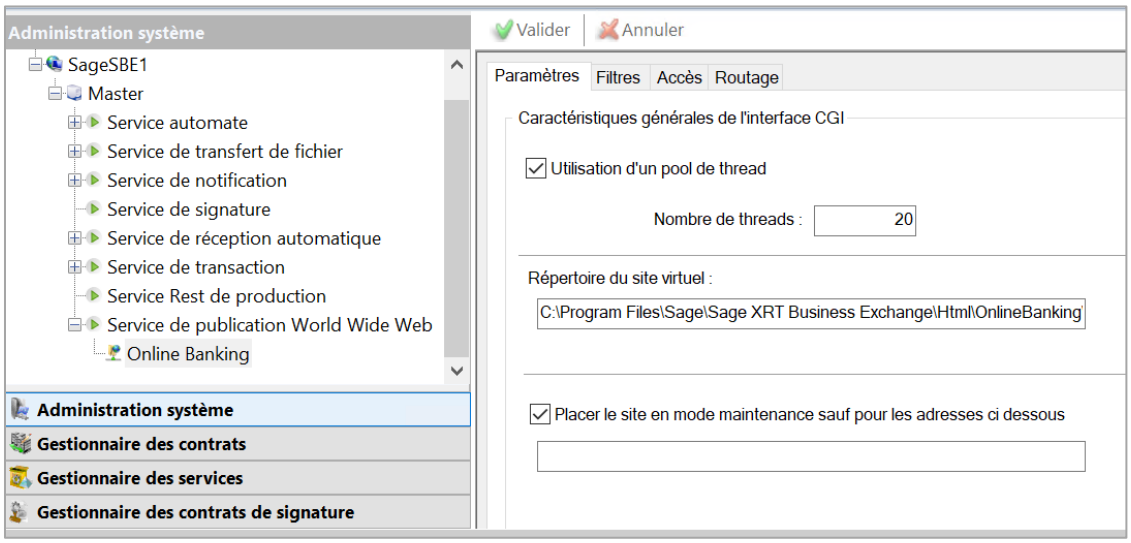
Example for **SFTP Requestor** Contracts:



# Maintenance Mode

*System Administration - World Wide Web Publication Service - Online Banking*

In the **Parameters** tab, the option **Put the site in maintenance mode except for the following addresses** suspends the site activity and notifies users that **Online Banking** site is in maintenance.

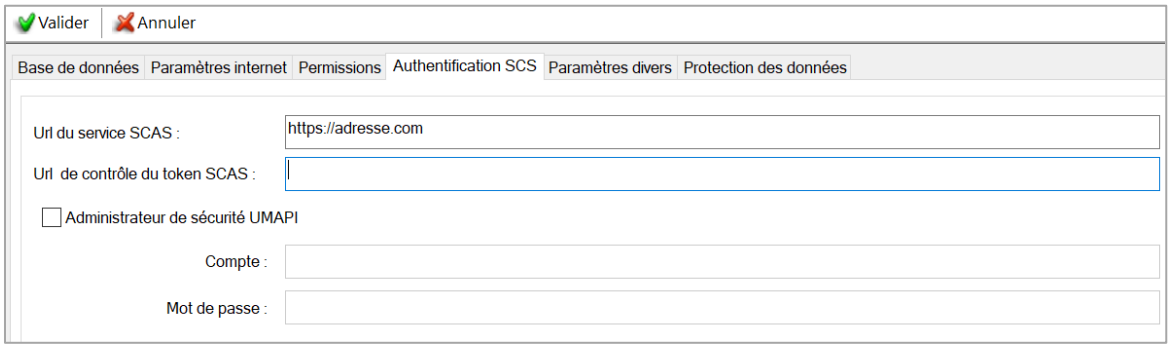



The site suspension has no impact on the specified IP Addresses and Domain Names (separated by a semicolon).

# LAN and WAN SCAS URL

*System Administration - Master*

In the **SCS Authentication** tab, the **Control URL for SCAS token** field enables you to specify an internal address. If there is no access to the Internet on the station where **Sage XRT Business Exchange** is installed, this internal address replaces the external one for the token verification.

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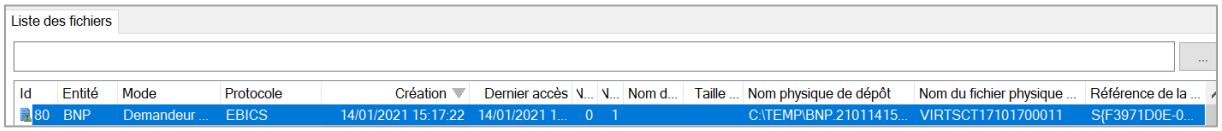
# VFS Files

*Service Manager - Resources - Files*

The **Original Physical File Name** column contains:

- The name of the file received in Recipient Requestor mode for *CopyFile*, *External*, *FTP*, *SFTP* protocols.
- The name of the file received in Recipient Server mode for FTP, SFTP protocols.




# SSL Server Certificates and Configuration

*System Administration*

The **Production Rest Service** (**P5RAPI**) and the TCPIP network device of the file transfer can use the station definition: IP address/port number and a station certificate.

Use the command *Netsh http show sslcert* to display the configurations.

**Note**: If no certificate is defined for the station configuration, the **RAPI** service creates its own self-signed certificate.

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# Management of Received Files

For all protocols and the requestor recipient contracts, the files received within an archive can be automatically unzipped.

**Note**: The files are then available as contained in the archive. If the archive includes several files, then they are concatenated in one single physical file for VFS.

# Arguments

In the program, path, or arguments fields (processing of pre/post-transfer exits, processing of signature, interfaces, scheduler actions, connection exit, etc.) and executable or script processing, the following arguments (in the table) are available.

| Variable | Correspondence |
|---|---|
| **%$Y4** | YYYY |
| **%$Y2** | YY |
| **%$Y1** | Y |
| **%$M2** | MM |
| **%$D2** | DD |
| **%$QT** | Day number |
| **%$h2** | HH |
| **%$m2** | MM |
| **%$s2** | SS |
| **%$ms** | Milliseconds (3 characters from 000 to 999) |
| **%$tc** | TICKCOUNT (Number of milliseconds since the OS was started). |
| **%#SITE** | Site |
| **%#HOST** | Host |
| **%XXX%** | **Supporting variables for the current user account**<br>For the processing (exits, etc.), *%temp%* folder can be set up in the arguments name to generate the files into the temporary folder of the user account. |

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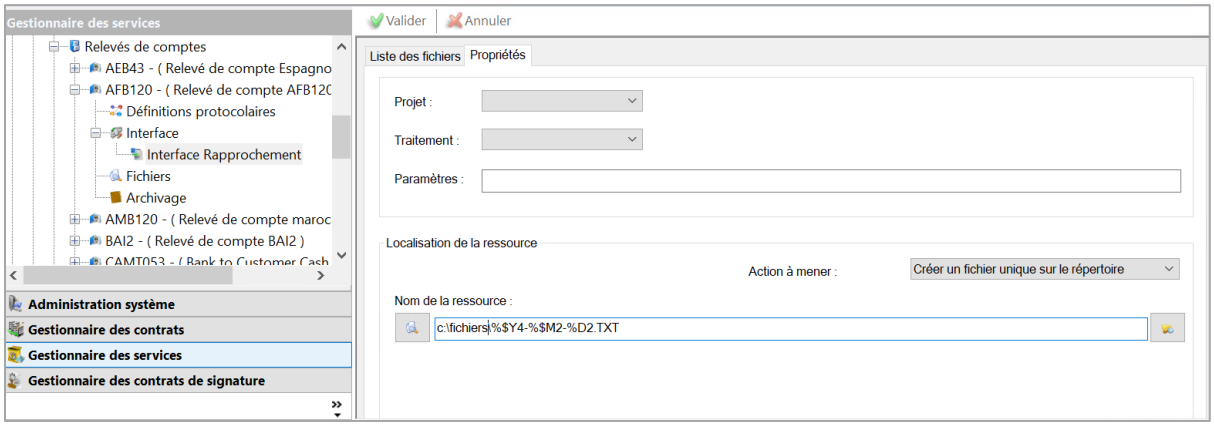
### General

Setup Example for **Resource Name**:




The alias for *prepfile.exe* can be forced to *name_of_file_20201126-094236*, which provides the client with a time-stamped file.

# Utilities

## Ctl.exe and ctllcr.exe

The */SCRLF* option enables the removal of files *CRLF* on *Ctl.exe* and *Ctllcr.exe*.

## Audit and Prepfile

*/R* parameter (external reference) is available for *Audit.exe* and*Prepfile.exe*.

## Ctl Executable

For **Ctl*** executables, to differentiate the station on which the file is to be available from the one to which the notification is to be sent, */computer* parameter must be used in the following way:

```
/Computer:A;B
```

*A* corresponds to the station on which the file is available.

*B* the one to which the notification is sent.

In **ExpVps.exe**, */IA[D]* variable is added to import *Swift* and *Banque de France* directories in command line.

*[D]* enables the reset of directories.

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## P5WCERT

The *P5WCERT* utility is used to manage X509 certificates. Here are the new improvements:

- Multi-filter utility which increases */FILTER* parameter (maximum 10 filters)
- Expiry Date added to */CEBREPORT* command
- Distinction between transport EBICS identities and signatories within */CEBREPORT* command

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## General

| Usage: P5WCERT [/P: {/N:|/A:} /TH: /TO: /CC: /CI: {/VAL: \| /EXP: \| /IMP: \| /DEL:{$TEST} \| /DBEXP: \| /DBIMP: \| /DBDEL: \| /CEBREPORT:{$NOTUSED\|$TPONLY\|$SIONLY} \| /CEBDELETE:{$TEST} \| /CEBRENEW:{$TEST}} {/PFXPWD: \| /PFXSID:} /FILTER: /UID: /PWD: /SERVER: /COMPUTER:] | |
|---|---|
| */EXP* | Export to directory |
| */IMP* | Import from directory |
| */VAL* | Expired Certificate List |
| */DEBEXP* | Export of certificates to the safe |
| */DBIMP* | Import of certificates from the safe |
| */DBDEL* | Disposal of certificates from the safe |
| */CEBREPORT* | List of certificates, info on the use of EBICS identities<br>{$NOTUSED\|$TPONLY\|$SIONLY} |
| */CEBDELETE* | Disposal of not used certificates in an EBICS identity<br>{$TEST} can perform destructive test. |
| | Renewal of expired certificates for EBICS identities<br>{$TEST} can perform destructive test.<br>Or/and<br>{$NOTESTEXISTINPDS} can exclude the certificates which are present in signature. |
| */DEL* | Certificate Destruction<br>{$TEST} can perform destructive test. |
| */P* | Entity Name (mandatory with /N) |
| *N* | Notification Alias (mandatory with /P) |
| */TH* | Threshold |
| */A* | Recipient List |
| */CC* | Cc Recipients List |
| */C* | Ci Recipient List |
| */PFXPWD* | Password for pfx files |

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## General

| | |
|---|---|
| */PFXSID* | Active Directory Protection Rules for pfx files |
| */FILTER* | Common Name Filter |
| | User Account |
| */PWD* | Password associated with the user account |
| */SERVER* | Site name |
| */COMPUTER* | Computer name |

Import and export processings are tracked in the **Event Log** of **Sage XRT Business Exchange Monitor**.

### /PFXSID: Rules

These are the Active Directory Protection Rules for *pfx* files.

/*PFXSID* mode protects the access to pfx files by passwords to be generated by AD.

Example:

```
"SID=S-1-5-21-4392301 AND SID=S-1-5-21-3101812"

 "SDDL=O:S-1-5-5-0-290724G:SYD:(A;;CCDC;;;S-1-5-5-0-290724)(A;;DC;;;WD)"

"LOCAL=user"

"LOCAL=machine"

"WEBCREDENTIALS=MyPasswordName"

"WEBCREDENTIALS=MyPasswordName,myweb.com"
```

### /FILTER: Rules

These are the rules for the Common Names filter.

```
"AUT*"

"ENC-???-2016"
```

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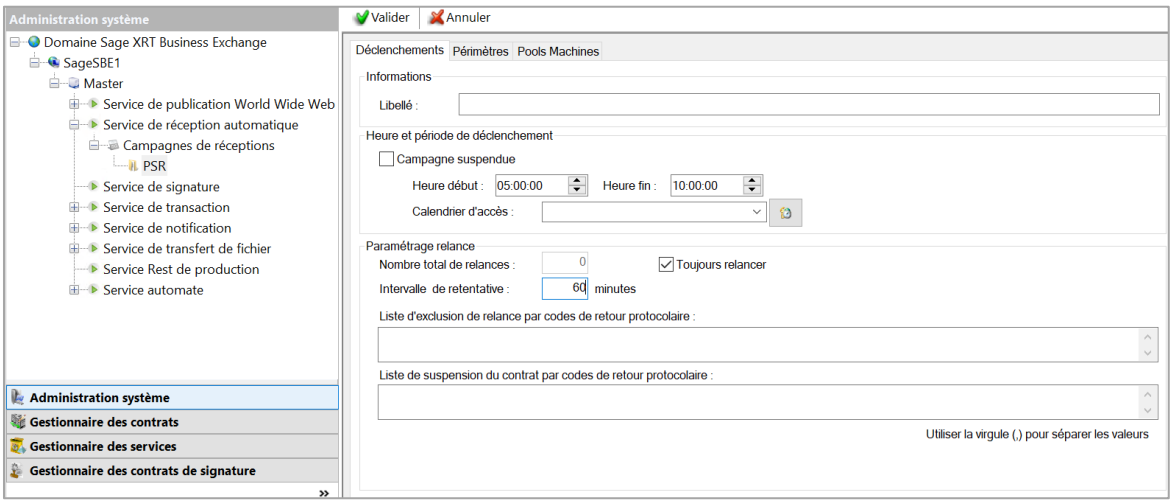
# Receive Campaign

*System Administration - Automatic Receiving Service - Receive Campaign*

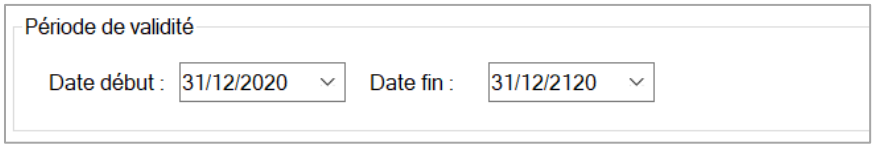
**Relaunch every time** option enables you to relaunch several times a day the receiving of the flows selected within the campaign.




# 100-Year Validity

*Contract Manager - Requestor Contracts*

All new contracts have a 100-year validity.




# Replaying Exits

*Monitor - Transfer History*

You can now replay all the pre/post-transfer exits.

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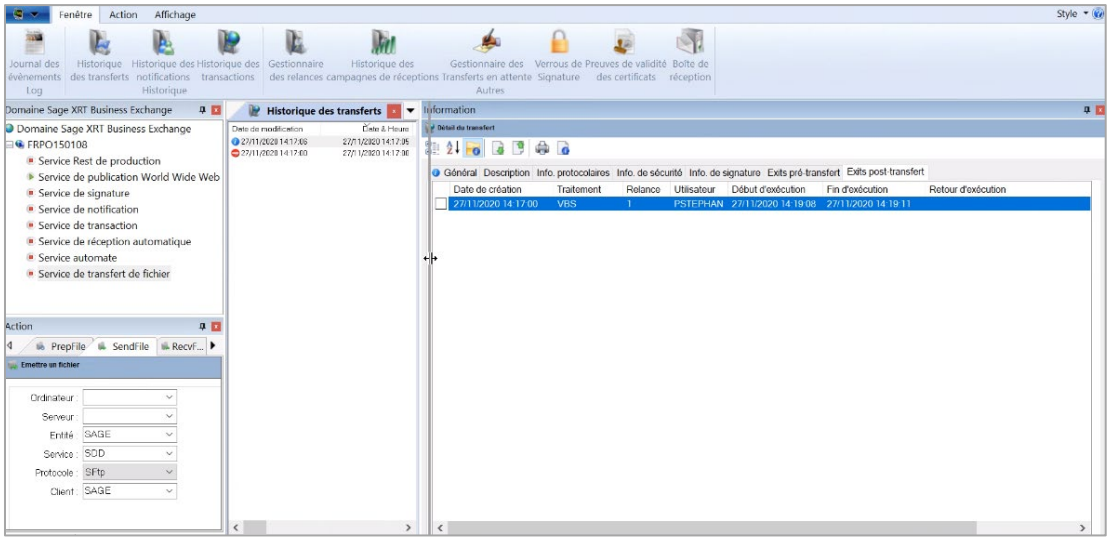
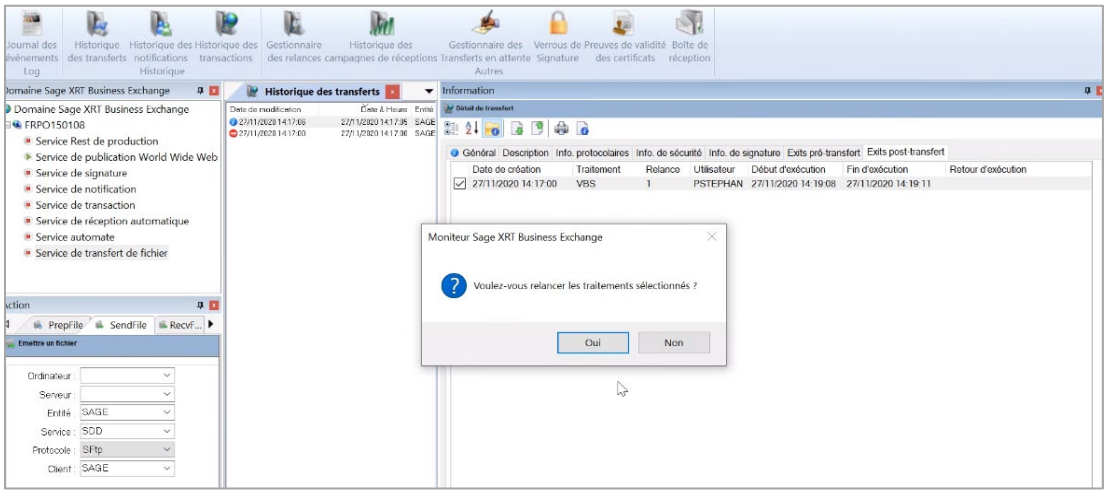
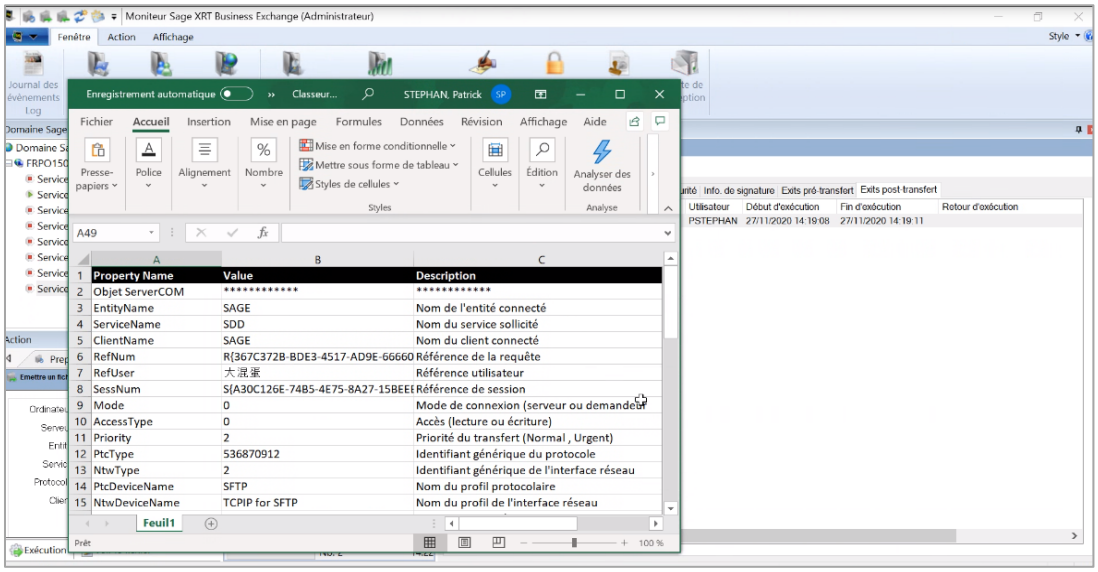
## General

Two new tabs are available: **Pre-transfer Exits** and **Post-transfer Exits**.



You need to select the lines you want to replay.

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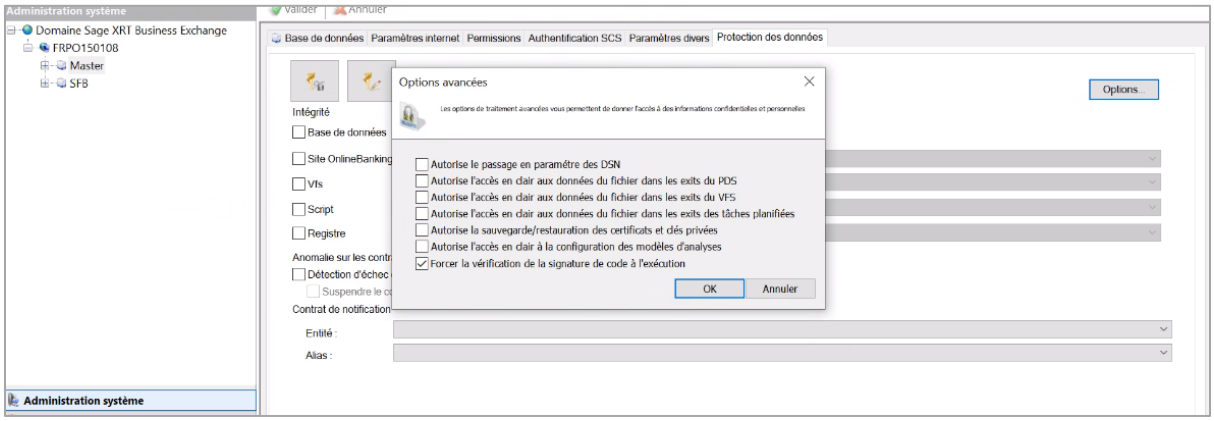
# Associating Binaries Control with Integrity Option

*System Administration - Master - Data Protection*

To ease patches application, the control over binaries is not automatic.

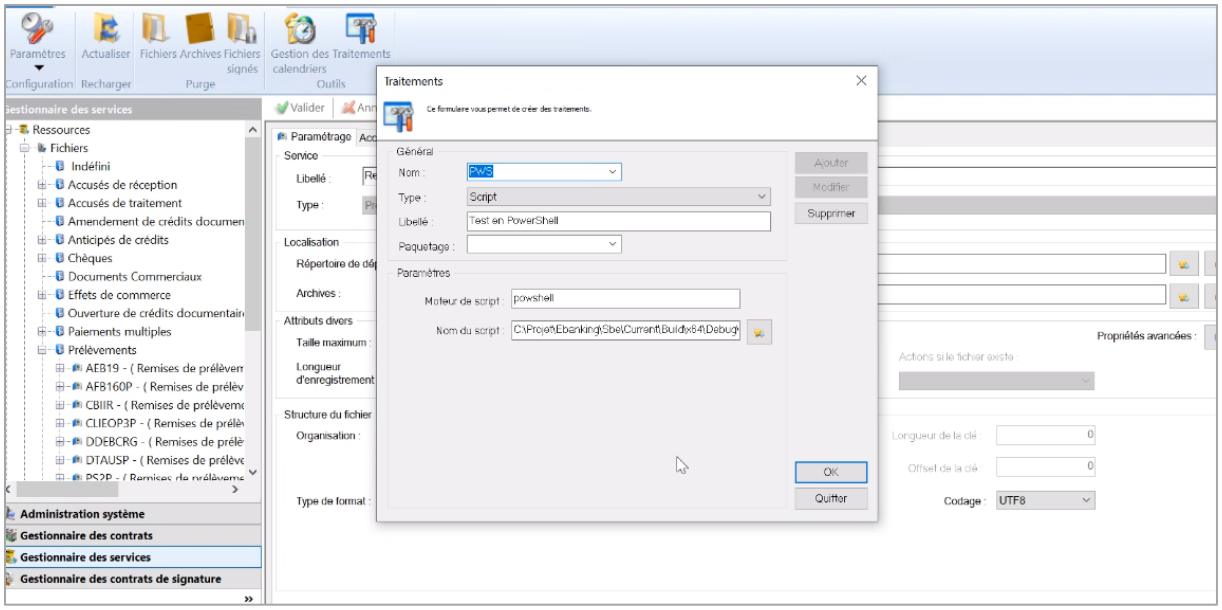
To activate it, select **Force code signature verification at execution** in the Data Protection setup.




# PowerShell Support - SXBE Object Model Display

You can execute scripts set up in **PowerShell**.

In the **Script Engine Processes**, you must specify **powshell**.

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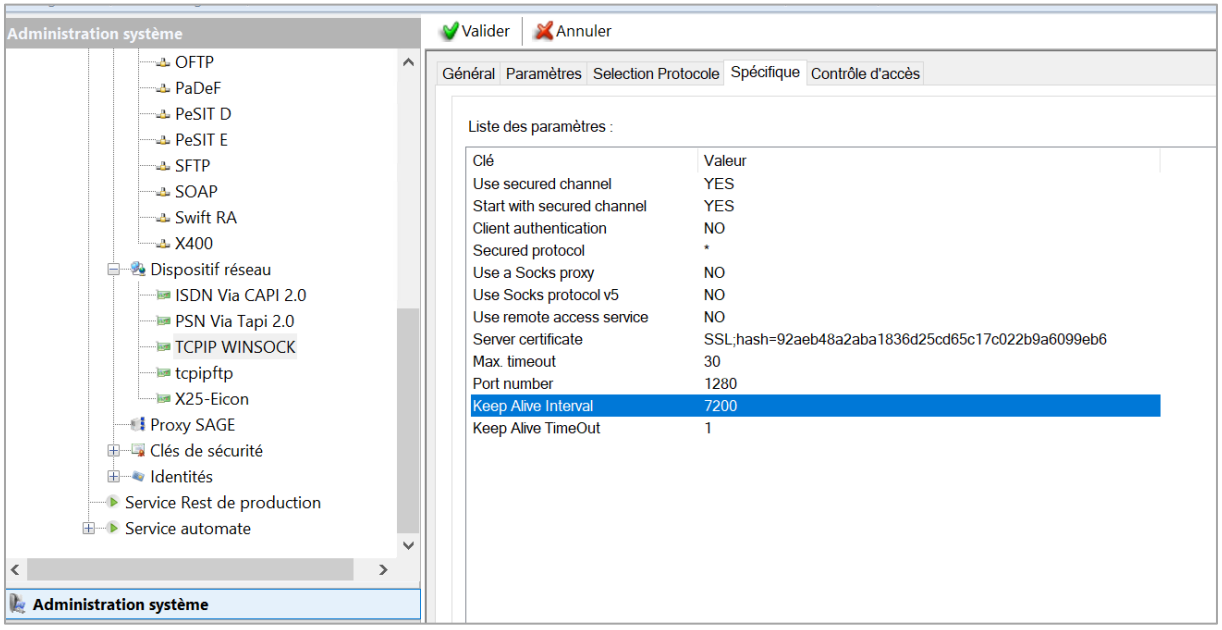
# Implementing Keep-Alive

*System Administration - Transfer Service - Network Device*

For big files on TCPIP transfers, you can apply the Keep Alive principle to prevent the connection with the distant host from closing.

For this setup, two new variables are available on the TCPIP network interface of P5CCOM:

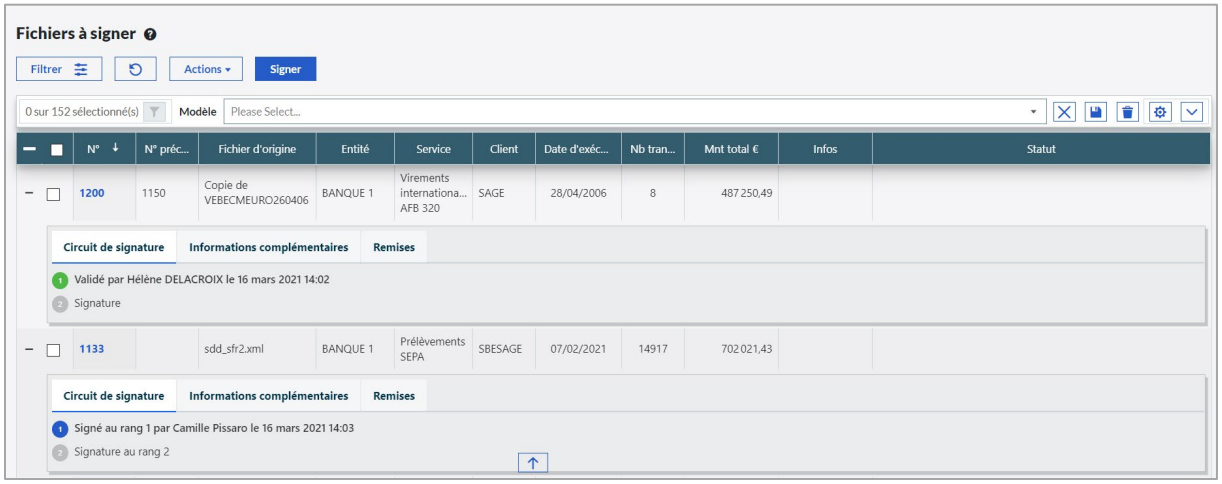
- **Keep Alive TimeOut**: in second (1 second by default)
- **Keep Alive Interval**: in second (7200 seconds by default)



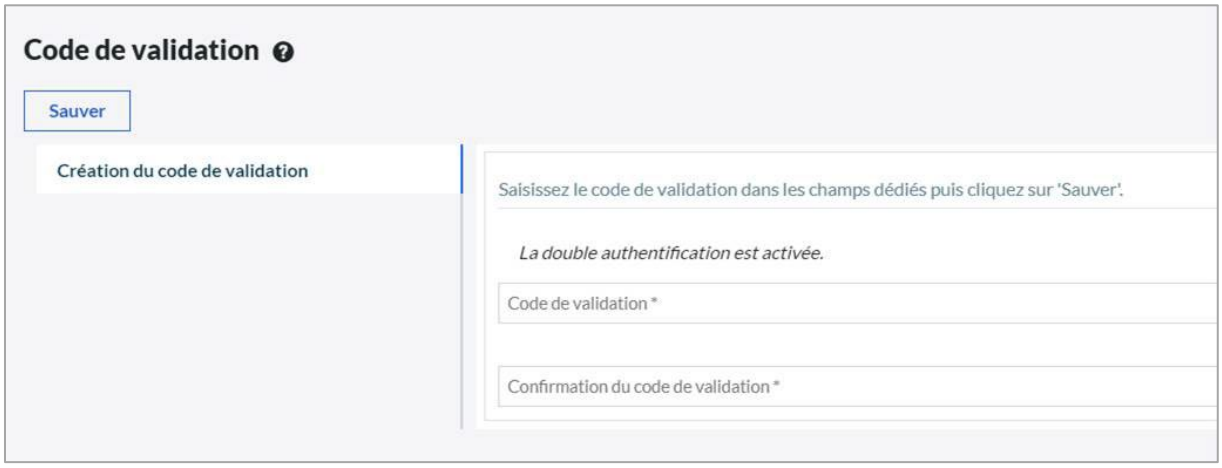

Both variables are also available on the Proxy Server.

# Signature

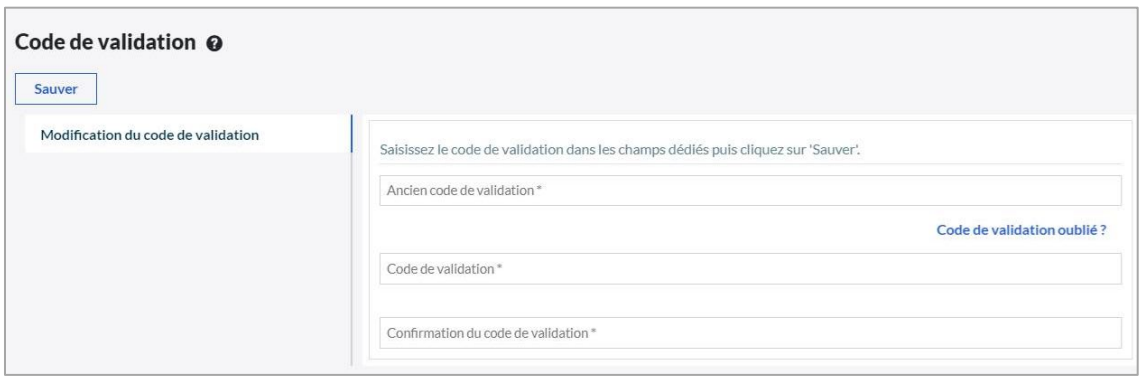
The **Signature** Module has been redesigned to offer you an even better experience to meet your needs.




You can now create yourself your **Validation Code** to complete validations.




Once you defined it, you can also reset it without the administrator intervention by clicking the link: **Validation Code Forgotten?**

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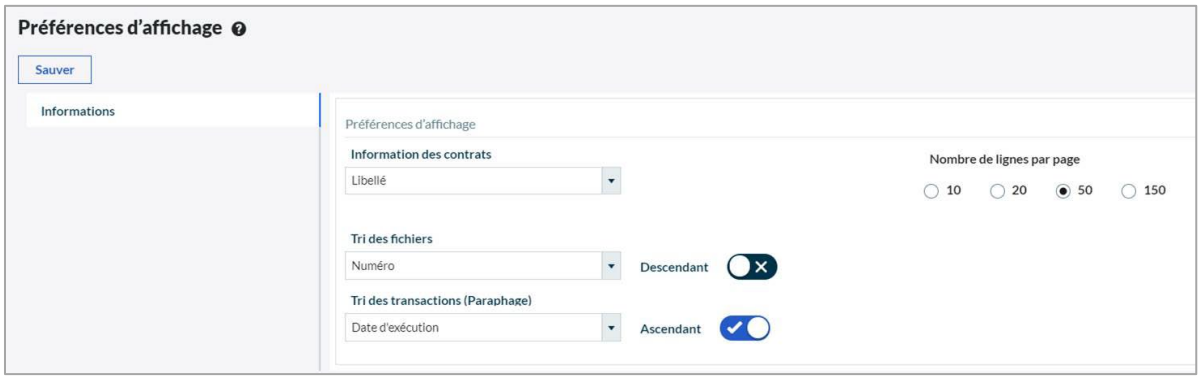
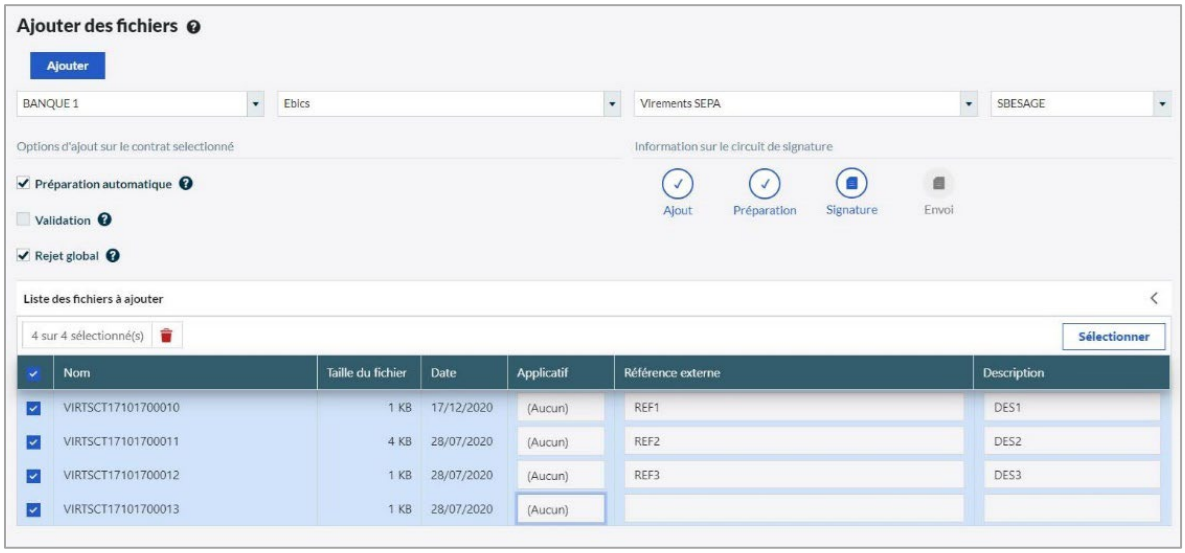
## Signature

You can specify your **Display Preferences**. They are saved in your profile whatever the station or the browser used.




Depending on your rights, you can add 1 to *n* files. In **Signature Cycle Information**, the icons are activated showing the menu your files reached.




The **Signature** menu displays various elements depending on your rights.

You can view the **Signature Cycle** of your files. In the fictitious example below, the file has been validated by Hélène Delacroix and is pending for signature.

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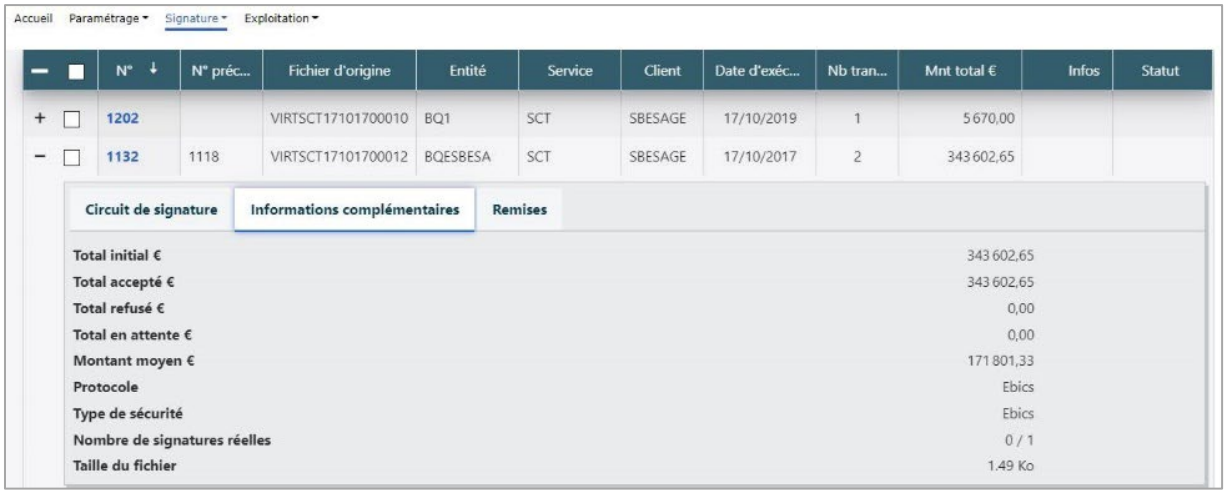
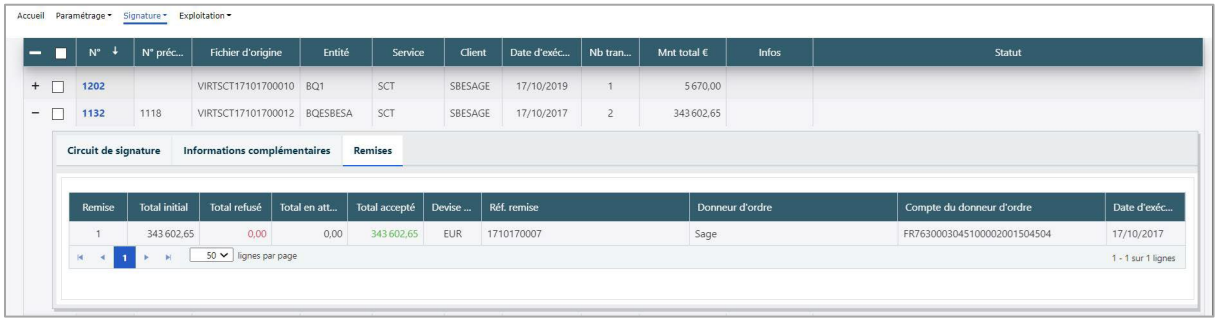
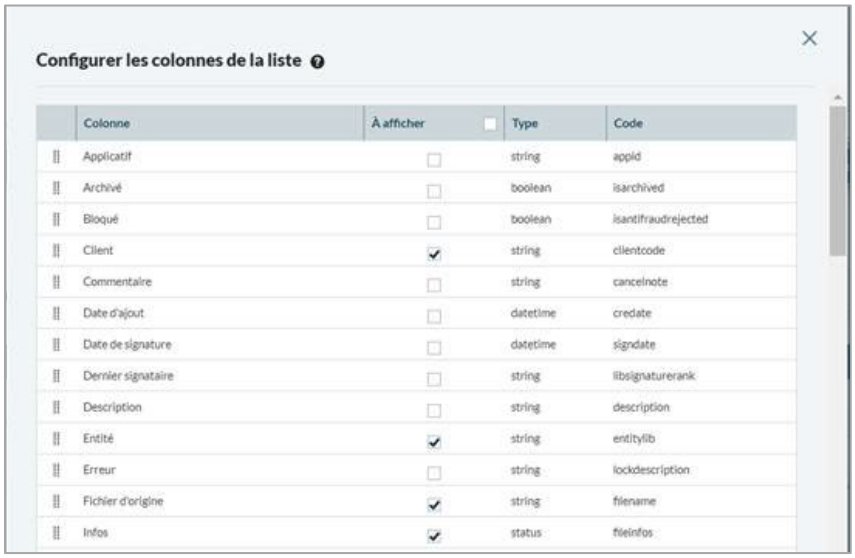
The **Additional Information** tab displays all the other details of the file.




Finally, the third tab, **Remittances**, provides info. on the remittances.




You can display the columns in a customized order for every page you have access to, by clicking the configuration icon .

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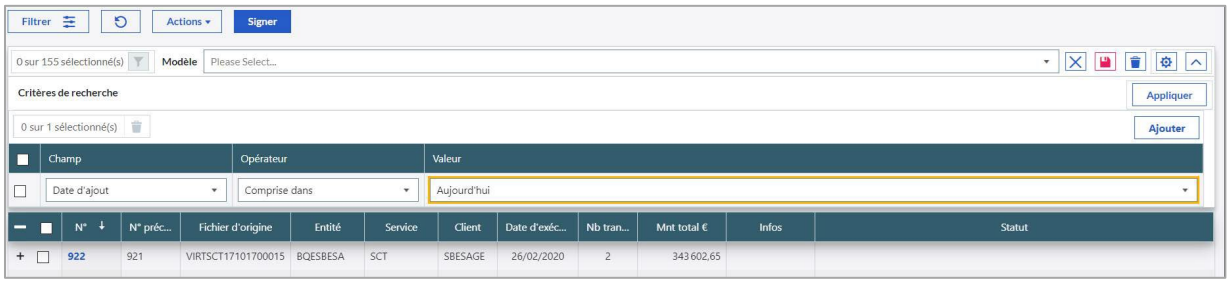
The columns may also be moved directly from the grid.

You can select criteria for your search and create your own display template using the save icon .

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# Bank Statements

The **Bank Statements** module now includes the management of Transactions Statements and Status Reports.

## Transaction Statements

For *CAMT054* and *AFB240* formats, **Bank Statements** enables you to view:

- Transaction Statements received by bank and account
- Transactions that can be grouped by type
- History of the statements received by bank and account

Transactions Statements can be imported, exported, audited, and purged like all statements.

## Status Reports

For *Pain 002* (*Payment Status Report*) format, **Bank Statements** enables you to view:

- File statuses received by bank and account
- Remittance statuses received by bank and account
- Transaction statuses received by bank and account
- History of the statements received by bank and account

Status Reports can be imported, exported, audited, and purged like all statements.

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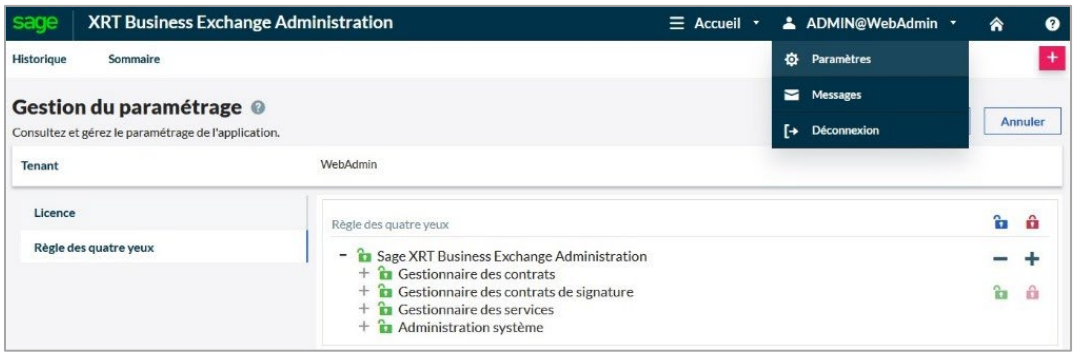
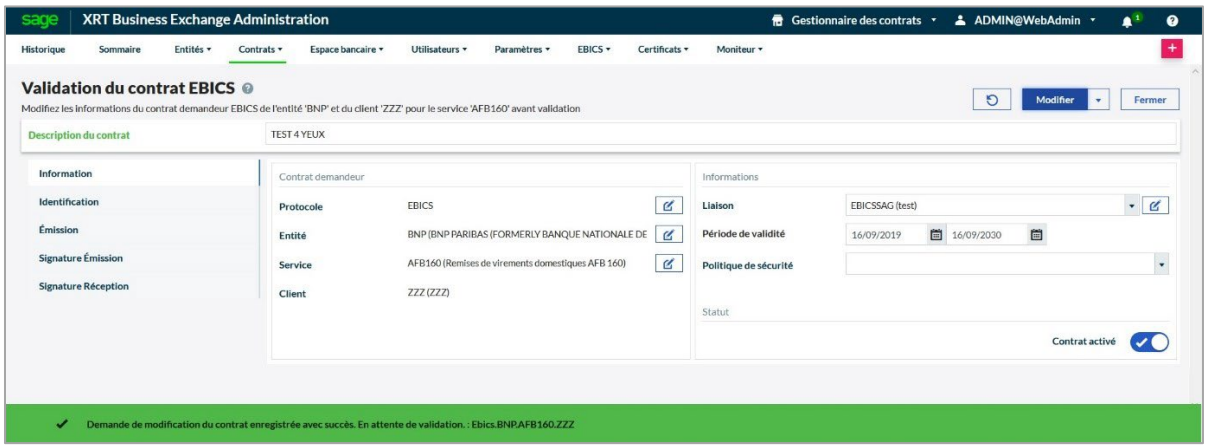
# Web Administration

## Four-Eye Rule Management

This version includes the four-eye management of menus setup. This function enables the validation of two different operators for the addition, deletion, and modification of setup elements.




Whatever your profile, you can see whether there are modifications pending for validation with the icon at the top right of the screen (the number specifies how many modifications are pending).




A green banner at the bottom of the window notifies the person who modifies the element that their modification request has been saved and is now pending for validation.

For the person who validates, the modified elements are displayed in green.

For more details on this function, see our online help center on https://sxbe-onlinehelp.sage.com.

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# Payments

## Evolution of GPI Statuses

UETR (*Unique End to End Transaction Reference*) enables you to follow the execution cycle of the transaction to the end of the workflow, i.e. to the beneficiary's credit.

So, in the payment transaction history, the **Status Origin** complete the status.

This type of follow-up is available for *MT199 GPI* and *Pain 002* as of version 11.

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