

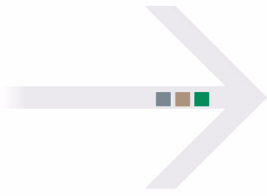


## Release Note - TradeXpress Enterprise 5.0.5

The following **Release Note** details the changes brought in to all components of **TradeXpress Enterprise 5.0.5**

TradeXpress 5.0  
Modules  
TradeXpress Designer V2.5.5  
TradeXpress 5.0.4  
TradeXpress 5.0.5





# TradeXpress 5.0

## New installer

As from now, TradeXpress 5.0 uses the same installation process whatever the used platform: the installer is based on a step by step «**wizard**», which deals with **the whole product**, the process execution engine («**runner**») is automatically installed with the other core components, as well as the server part of **WebAccess thin client**.

There are only two installers left: one for the **server** part and the other for the **client** part.

## Supported platforms

TradeXpress 5.0 is also supported on the following platforms:

- Solaris 8 to 10
- Linux RedHat 9, and RedHat Enterprise 3 and 4
- Linux Debian 3.0
- IBM AIX 5.1 to 5.3
- HP-UX 11
- Microsoft Windows Server XP, 2000, 2003 [.net]
- SUN x86 intel architecture [from version 5.0.4]



### Attention:

All modules are not available to date, for CFT, SAP, tRFC and IBM MQ, please ask for availability.

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TradeXpress has been validated on Windows VISTA.

## Core improvements

### SQLite databases



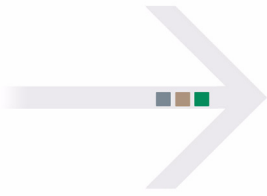
### Attention:

**IMPORTANT** : The -R option of logcreate (database reconfiguration) is not operational BEFORE this release (5.0.5). However, this functional version make all the old TradeXpress binaries using the SQLite database inconsistent if this option is used to add a column to the database, and in this case only. Therefore, do not use 'logcreate' of release 5.0.5 on earlier installations

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### Parallel processing of scan results (UNIX only)

In the scanner configuration, the usage of the **scanp** instruction instead of the scan instruction allows **parallel processing** of the list of scanned files. This new facility allows to benefit from the servers' power, even when the input data streams are not handled by a TradeXpress communication service (case of massive usage of FileRouter, for instance).

### Improvement of parallel processing (Windows)

On Windows platforms, the scanner had a limitation on the number of simultaneous processings. Above 60 simultaneous processings, the scanner would lower its activity until no processing at all. This operating mode has been revised and there are no limitations anymore (excepts the ones issued from the system capacities).

### Processing on an age basis (UNIX)

In the scanner, the scan result is now sorted **on an age basis**. Moreover, the limitation of the number of arguments (max-args) intermediates now on the sort result. As a consequence, the oldest files are the uppermost to be processed, and as many files as allowed for each scan will be processed. This will sharply improve the scan efficiency and will limit any delay risks in the files processing when massive receivings (rush hours).

### Fifo dedicated to an environment

From now it is possible to declare and use FIFOs linked to a specific environment, the advantage of this type of FIFO is that the scanner takes into account the limit of simultaneous processes at the environment level, and not at a global level.

### New database system

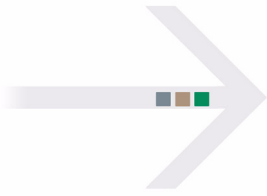
This version uses a new database system: **SQLite**. This system offers the possibility to set indexes to speed up the searches, a high-level strength, while ensuring a complete compatibility with the existing system (provided that you recompile the users RTE) and a high performance level.

Its wideness (SQL quering, ODBC and JDBC pilots) allows to consider evolutions for future versions. Adopting this system allowed to remove the using of RLS in production environment for the «runner» access to databases.

### Several corrections

The 5.0 release includes a great number of corrections (more than 200) whose exhaustive list is available in the document «Solved problems in version 5.0.doc».





## Processus handling

### Calling SOAP/RPC

It is now possible to call up a Webservice via the **«SOAP/RPC» object**. In this version, only simple types may be passed as parameters.

### Triggers extension

The **Trigger** database originally conceived to define processes triggers has been now extended to **routers**. The triggering modes have been enriched and include almost all TradeXpress existing modes, especially the **FIFOs** 'running configuration by this means. Processes may be runned in a synchronous or an asynchronous mode, they may be fed by a FIFO or by a FTP or HTTP **fetcher**.

### Harmonization of Retry mechanisms

Retry mechanisms have been divided into two categories:

- retry at a transport level
- retry at a process level

The first level is handled by the Transport component of TradeXpress accordingly to the partner's parameter settings, the second level should be handled by the user's scenario.

To allow this handling, all the necessary variables are now available (messenger identifier, transport status, acknowledge results on a readable form)

### Envelop evolution

The envelop object which handles the building of the interchange envelop supports now all the syntaxes integrated in TradeXpress.

### Translation function

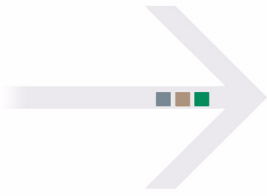
The usage of RTE for translating is now made possible without the setting of parameters other than the ones linked to the partner.

## Thin client WebAccess 7.09

**WebAccess** is now provided in standard in a version dedicated to the **databases monitoring** (doesn't allow the server configuration).

The more noticeable improvement is the **numbering** of the databases viewing screens, which, by retrieving a limited numbers of records each time, offers constant performances whatever the database size and the filter used.



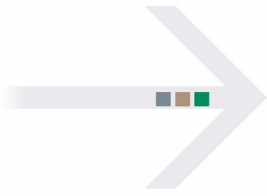


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ManagerLog which allows to monitor several environments at the same time is now working with Windows servers.

Also to be mentioned the possibility to archive the syslog database, the improvement of the tables' display speed and a great number of bugs corrections. The exhaustive list of bug corrections and enhancements is available in the « Release Note WebAccess.txt » document.





## Modules

### BackBone V1.6

**Backbone** is a retransmission communication solution allowing to address issues linked to the using of a DMZ, but also to mutualize communication servers in a TradeXpress multi-servers network architecture.

The advantage of this solution is that it requires few communication server-side configuration, partners being declared on the client side, and almost no server-side administration, given that almost the whole errors cases are traced to the client.

Version 1 of BackBone network architecture is available for the retransmission of SMTP, AS1, HTTP, HTTPs, AS2 (except for the support of synchronous MDNs), FTP, eFTP, AS3, Allegro, CFT, OFTP and X400 communications. From now, retry are managed as between the Backbone client and server (in both ways) than between the Backbone client and the partner.

### MQSeries

Format and priority of the message can be set when sending the message.

When receiving, it is possible to feed a FIFO to ensure the real-time processing of messages. Moreover, the maximum number of messages retrieved on the same queue each time the receiver is triggered can be now configured.

### JMS

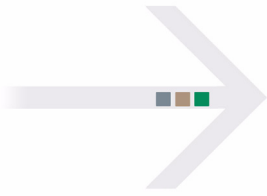
The size and filename properties have been added to the partner configuration for partners using **JMS**. It is also possible to specify any other property required to interchange under the form: property name / property value.

This module has been partially rewritten to solve blocking issued caused by RLS access errors and to improve the error recovery.

### Rosettanet 2.0

The **Rnif2.0** module has been partially revised to integrate in a more common way into the product architecture and to ease its implementation. When receiving, for instance, it directly interfaces with the HTTP router without having to implement any specific component. The reliability and maintainability have been improved particularly by relying on the S/mime component, common to all EDIINT modules (as1, as2, as3).





Recent implementations of this module allowed to underline some defects we have corrected in this release.

## SFTP (old version)

**SFTP** protocol, which has been implemented a long time ago in TradeXpress but has fewly been used, recently expriments quite an significant boom, which has brought to light some weaknesses of the module and brought us to get the module some evolutions and bug fixing.

**SFTP** is now available on **Linux** platforms only using **UNIX98** socket types (as it is the case in standard for RedHat Enterprise 4)

The **«Use temp filename»** function (upload of a file unser a temporary name and file renaming) is supported, as well as the files move after they have been downloaded by the fetcher [«FTP.RENAME»].

## SFTP (new version)

Many efforts have been born on this module to make him less sensitive to the ssh2 client used, bu the module architecture does not allow to solve definitively this weakness. This is the reason why the module has been fully rewritten, a more achieved and reliable is available from release 5.0.4.

## OFTP

Compatible GXS TradeXpress OFTP: it is possible from now to send out to **several mailboxes**, even if these ones have the same identifier. Just as it is possible to send out properly **EERPs** for messages coming from several maiboxes with the same identifier.

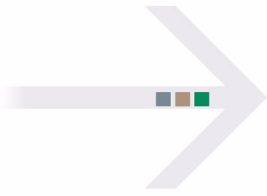
The **OFTP x25** module is available again on Windows platforms.

## X400

No evolutions, but two main bug fixings:

1. On **Windows**, if the account from which the x4gwd service had no «HOME» environment variable defined (which is the case for «localsystem»), then the service indefinitely looped on the reception of the first file.
2. On **64bits** platforms: there was a potential issue of random crash when receiving message if the PID of the process triggered for the processing was upper to 7 digits (case experimented on a 64 bits cluster).

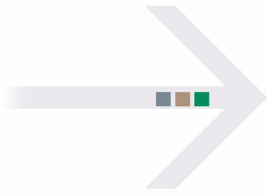




## Oracle RTE library

The RTE Oracle library allowing to connect to an Oracle database from any translator uses from name theOracle Call Interface v10. Compatibility with all Oracle existing versions is granted.





# TradeXpress Designer V2.5.5

The 2.5.5 release includes a certain number of enhancements. Most of them have been asked by users. These enhancements concerns documentations, RTE code generation, projects management, and translator production.

The exhaustive list of enhancements and bug fixings are available in the document «Release Note Designer 2.5.5».

## EDI references

Syntax level 4 for references from 99A taken into account.


References D06A, D06B, D07A, D07B added.

## Translators documentation

Message data elements can be linked to many application data. The application data field is replaced by a grid containing a line for every application data.

The datasets corresponding to the data of the linked message are available for use in **rtf templates** for syntax to syntax translators. Documents may be generated with the incoming and outgoing messages descriptions. New templates are provided as examples. A comment tab is added to edit comments of the linked message and its elements.

## RTE

A button  can be used to disable the data element comments generation during drag & drop operations, this to avoid overloading code (i.e. in function calls).

New switch statement assistant for codes list.

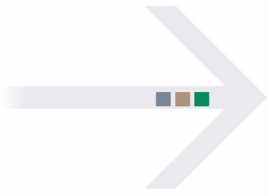
## Project management

The project management is eased by the possibility to declare a global project made of several translators, given project being able to be wholly compiled and imported or exported from or to another station.

## Translators

It is now possible to create a translator from EDI message examples, to validate an EDI message in respect to the reference, or to create a message example from the reference.





## TradeXpress 5.0.4

From now TradeXpress is available on SUN x86 (intel architecture)

### Java Client

TradeXpress Modeler's usability has been improved: from now, "common" edisend, partner, routing and trigger databases can also be accessed directly from the left window, aside from the processus view.

As from now, you can specify a port number where to connect if different from the standard port; this can be useful to run several TradeXpress located on the same workstation.

### ebMS2 v2.1

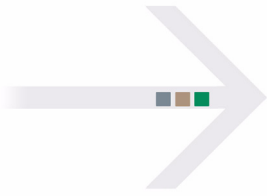
This version of ebMS2 module has been subsequently improved and completed to better meet the protocol specifications (XML signature, STAR compression management, synchronous response, better handling of SOAP faults...).

ebMS2 v2.1 has been certified by the Drummond Group.

### SFTP

The SFTP module has been fully rewritten, relying on a libcurl library. It does not depend anymore to the ols SFTP2 client. Its behaviour is comparable to the FTP module, except for SFTP not supported functions.





# TradeXpress 5.0.5

## Java Client

The displaying of data has been improved with a pagination allowing a direct access to a list of records by loading only displayed records.

## RTE XML translators

From now, RTE supports elements and attributes named the same. Therefore, the eEattribut syntax is not supported anymore and should be replaced with eAttribut.

When the xsd or dtd filepath used in the instruction schema is a relative path, it is not defined at compiling but follows the same rules as for the compilation, i.e.:

- use of the MESSAGEWORLD environment variable
- otherwise use on the EDIHOME/message path

From now it is thus possible to compile a translator on one computer and run it on another computer having a different installation path.

## SFTP library

A new library is available for using SFTP services from a RTE program. This library takes up most of the FTP-available functions.

## SOAP/RPC call

From now, complex type may be given as parameters when using a Webservice via the "SOAP/FRC" object.

