

FXLoader Cloud Service SAP Integration

White Paper

Executive Overview

FXLoader Cloud Service integrates the most trusted currency exchange rate data with your SAP ERP Application.

FX rates can be sourced from OANDA, Xignite, Refinitiv, XE, Bloomberg, Open Exchange Rates and over 60 central banks, including the ability to mix and match. The service is configured according to your preferences for schedule, currencies, cross-rates and rounding.

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The service is fully automated – configure once and forget about it.

FXLoader resides on the secure and reliable Oracle Cloud Platform. Communication with rates sources and SAP is via secure web services.

Business Benefits

SAP ERP applications need currency exchange rates to convert foreign currency transactions to the base currency of each organization. Examples include supplier invoices and payments, customer invoices and receipts, purchase orders and sales orders.

The SAP ERPs (S/4HANA and ECC) provide a screen to enter these rates manually as part of the standard product. This can become time consuming, even if you only need a relatively small number of currencies. As with any manual process, mistakes occur which can have a major impact on your business:

- If rates are not entered on a particular day, then foreign currency transactions will use out of date rates, or the transaction may be rejected.
- If a rate is entered incorrectly, the impact may not be noticed for weeks. For example, if a rate is entered the 'wrong way round' the impact on your account balances at month end will be significant.

Using FXLoader to automate the load of daily rates provides a number of benefits:

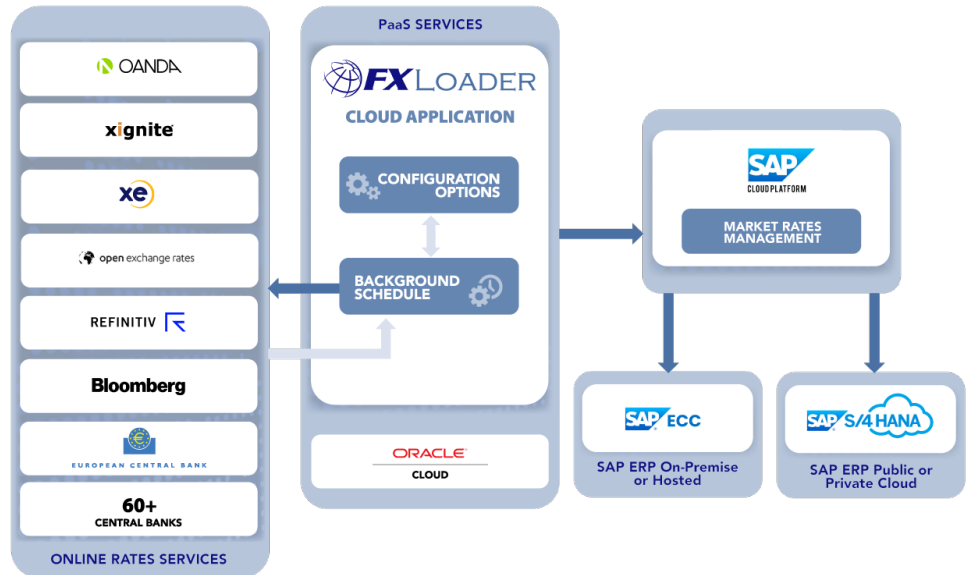
- No user intervention is required
- Rates are guaranteed to be accurate and up to date
- Robust failure handling makes this a highly reliable solution
- Easy to configure

"Honestly, this was the easiest system installation we have."

"Your help during implementation was incredible and I will always recommend your product and support. Lack of failures and problems tells everything – we are very satisfied"

Service Description

"FXLoader is running great and doing exactly what we need. It is working perfectly...we are glad we found it"



Source of FX Rates

FXLoader queries exchange rates from the leading rates service providers OANDA, Xignite, Refinitiv, XE, Bloomberg, Open Exchange Rates plus a number of central banks.

"I think it is a brilliant product. Installation and implementation process are superb and very quick."

- OANDA provides market rates between all trade-able currencies (approximately 170) and is used by the 'big four' accounting firms, tax authorities and financial institutions worldwide.
- Xignite provides a market data cloud including market rates for all trade-able currencies, plus central bank rates for over 25 countries.
- Refinitiv DSS and Bloomberg HAPI provide market rates for all trade-able currencies plus many central banks.
- XE and Open Exchange Rates provide market rates for all trade-able currencies.
- The European Central Bank provides official rates from the Euro to around 33 major currencies, via a free XML-based service.
- Other official sources include central banks around the world.

OANDA, Xignite, Refinitiv, XE, Bloomberg and Open Exchange Rates are paid subscription services. All are high availability, authoritative services for up to date exchange rates. You can choose the service that best fits your needs or use any combination of services. Many of our customers use a market source supplemented by central bank rates for certain countries to meet local statutory requirements.

“This is a big win for our Finance team. Not only will this save time every month; but is a key process improvement for our SOX initiative”

“FXLoader has been a great tool that has saved us time and error-proofed our processes. Your team has been outstanding, the implementation was seamless, and I am overwhelmingly pleased with the results we are seeing!”

Schedule

You have complete control over the frequency of rates load. Most choose daily, but weekly, monthly, annually, based on your accounting periods or any specific dates are all available. You also have control over the time of day it runs.

Currencies

Configure which currencies you want to query from each source. Flag base currencies to restrict which cross-rates are generated. You can also query using one currency code and load into SAP using a different code – useful when SAP uses an old code such as MXP for Mexico.

Triangulation

You have the option to get currency rates from or to a single base currency, then triangulate to create all other currency pairs (cross-rates). Thus the ECB Euro rates can be used to create rates between all currencies, for example. This option can be used with market rate providers, or you can query all currency pair combinations directly from those services.

Flexibility

FXLoader has a number of configuration parameters to provide flexibility in how you run it:

- Specify which rate type you wish to load.
- Query one date from the source but load the data into a different date – for example load into the next day to ensure rates are available to users at the start of each day.
- Load a particular day into a number of extra days in the future, for example if you only want to load rates weekly or monthly.
- Round rates using decimal places or significant figures, for all rates in a run or by currency, or even currency pair.
- Use the Bid or Ask rate for market rates, or use the mid-point.

Load into SAP ERPs

FXLoader makes use of the SAP Market Rates Management (MRM) service on the SAP Cloud. You can use the free version of this service or the paid version. Rates are sent to SAP MRM using a web service (API) provided by SAP.

SAP provide configuration steps to pull the rates from MRM into their ERP applications S/4HANA and ECC, so no development is need on any part of SAP.

Average Rates

FXLoader can calculate average rates from rates already loaded. Period averages can be based on monthly calendar periods, 4/4/5-type periods or a custom calendar. Quarter-To-Date (QTD), Year-To-Date (YTD) and Rolling averages are also available.

“The product is working as it was promised and the implementation process was very smooth and issue free. You guys have excellent customer service”

Failure Handling and Notifications

If the rates web service cannot be contacted for any reason, FXLoader will re-submit itself to try again later after a delay you specify. It will do this however many times you specify. You can select up to five email addresses to be notified of the outcome, either for every run or only in the event of a failure.

Variance Alerts

Set up variance alerts to send an email when any FX rate varies from the previous date's rate, or from a set of reference rates, by more than a chosen percentage. This percentage can be defined for the entire run, or for a particular currency or currency pair.

Two Factor Authentication

Clients have full access to the FXLoader application to make changes or view rates. Two factor authentication is available to provide extra security.

Notifications and Support

The FXLoader support team are monitoring all client jobs, so we provide highly pro-active support. You can also set up your team to receive emails in the event of failures or warnings, or even for all runs with a CSV file of the rates.

Technical Overview

FXLoader Cloud Service is hosted on an Oracle Platform as a Service (PaaS) instance, the core of which is an Oracle database. Oracle handle the availability and security, to the same enterprise standards as their cloud applications (SaaS).

"From our side all has been great, team and yourself have been a pleasure to work with!"

Security

The communication with rates sources and the ERPs is via secure (HTTPS) web services.

The paid rates sources use an API key to validate access.

The web service to send rates to SAP MRM depends upon the URL, authentication URL, Client ID and secret (encrypted within FXLoader) that has access to load rates via the API.

Purchase Information

FXLoader Cloud Service is available on a subscription basis, which includes full support during initial configuration and on-going proactive support for the process.

The OANDA, Xignite and Open Exchange Rates subscriptions can be purchased along with FXLoader. The European Central Bank and other official services provided directly via FXLoader do not require a subscription.

Further Information

FXLoader Cloud Service is available as a free 30-day trial, fully supported by our team.

Please contact us for further information.

"Thanks for being so responsive and detailed along the way. I can truly say it's the best customer service I've ever seen from a company"

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