

## Installing OANDA’s Exchange Rates API for Microsoft Dynamics 365 for Finance and Operations

Microsoft Dynamics 365 for Finance and Operations has a simple out of the box integration with [OANDA](#) to provide businesses with an automated way to ingest the gold-standard of foreign exchange rates. This [Exchange Rates API](#) allows you to automatically get exchange rates for financial reconciliation, accounting, auditing, and more through Microsoft Dynamics 365.

This tutorial will outline key features of OANDA Exchange Rates API and tell you step-by-step how to install OANDA Rates® into Microsoft Dynamics 365.

### OANDA’s Exchange Rate API features

OANDA Exchange Rates API	Technical Capabilities
Supported rates	Over 200 currencies, commodities, and precious metals
Total Currency Pairs	38,000+
Historical Data dating back to	1990
Proprietary data	OANDA Rates®
Other data sources	25 Central Bank exchange rates  We offer one of the largest sets of Central Bank exchange rates including ECB, Bank of Canada, Banco de Mexico, and more.
Types of Exchange Rates Data	<ul style="list-style-type: none"> <li>• Average (bid, ask, mid) daily, weekly, quarterly, annually and custom periods</li> <li>• <a href="#">Read more about our rates here</a></li> </ul>

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<b>API Functionality</b>	
HTTP Method Supported	GET
Protocol Supported	REST
Security Mode	HTTPS
Formats	JSON, XML, CSV
UTC Timestamps	Yes
Uptime	99.99%
Reliability	Fully redundant dedicated servers and internet connections, housed in a data center that meets SSAE16 requirements
SOC-1 Type II	Yes
SOC-2 Type II	Yes
ISO 27001	Yes
<b>Ease of Use</b>	
Online Documentation	Yes - <a href="#">Visit Developer Portal</a>
Sample Code	Yes - <a href="#">See Sample Code</a>
Test drive	Yes - <a href="#">Test drive API</a>
Free Trial	Yes - <a href="#">Start 30-day free trial</a>
Support	Yes - <a href="#">Phone and Email Support</a>
Activation Fee	\$0

## How to install OANDA Rates® into Microsoft Dynamics 365

1. Get your Free API Key from OANDA by filling out the Free Trial request form. An email will be sent to you containing an alphanumeric API Key. This trial key will be valid for 1,000 quotes and for 30 days.

OANDA's API Free Trial: <https://www.oanda.com/fx-for-business/free-trial>

**Getting Started:**

Your unique API key is

**277EUDhmf7usXaKunvO8ymYH**

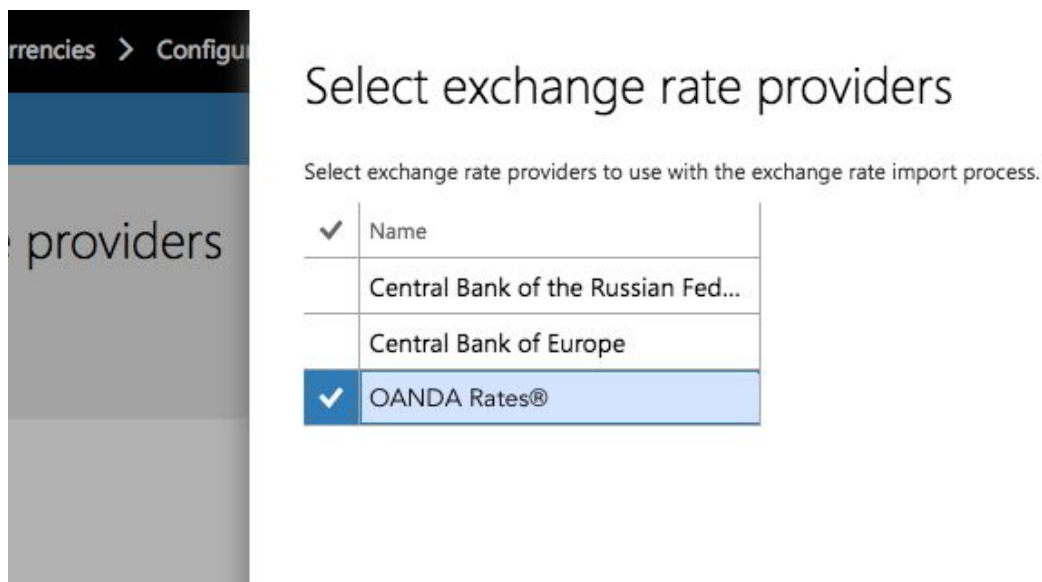
*\*Keep this key. You will need this API key in all requests to retrieve data.*

**Note:** This API Key is an example only.

2. Inside Microsoft Dynamics 365, navigate to:

*General Ledger* → *Currency* → *Configure exchange rate providers*

Click on “New” and select “Foreign Exchange Rates Provider”.



The screenshot shows the 'Configure exchange rate providers' interface in Microsoft Dynamics 365. The breadcrumb navigation at the top reads 'Currencies > Configure'. The main heading is 'Select exchange rate providers'. Below the heading, there is a sub-heading: 'Select exchange rate providers to use with the exchange rate import process.' A table lists the available providers:

✓	Name
	Central Bank of the Russian Fed...
	Central Bank of Europe
✓	OANDA Rates®

3. Enter the API Key that you received from OANDA.

Configure exchange rate providers

Name  
Foreign Exchange Rates Powere...

General

Reset values

Key	Value
API key	abcdefghijklmnopqrstuvz123
Decimal places	5
Quote type	Average bid
Service Timeout	5000

4. Import the exchange rates by going to:

General Ledger → Currencies → Import currency exchange rates

Download the data to the exchange rate type that you require and set some additional parameters determining whether you'd want to import for that day or for a date range.

Import currency exchange rates ?

Parameters

Exchange rate type  
Default

Exchange rate provider  
OANDA Rates®

Import as of  
Date range

12/1/2017 12/31/2017

Create necessary currency pairs  
No

Override existing exchange rates  
No

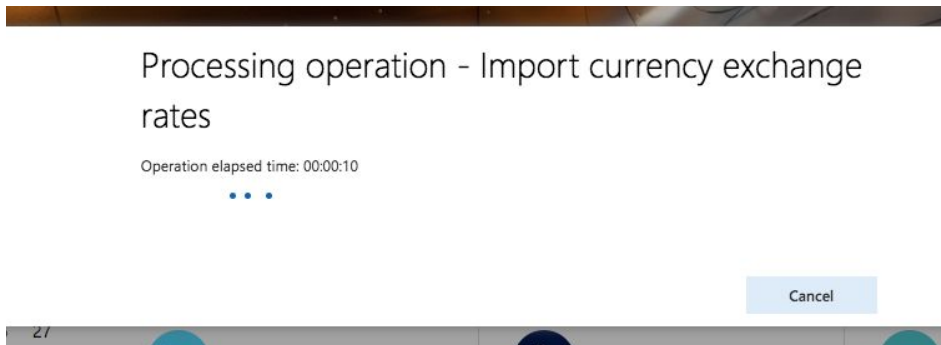
Single rate for date range  
No

Prevent import on national holiday  
No

Run in the background

OK Cancel

5. You can set to “Run in the background” or “Run for once”.
6. If you choose to “Run it for once”, after the process is complete, you can see the exchange rates for the date you chose being imported into the “Default” exchange rate Type.



Dynamics 365 Finance and Operations General ledger > Currencies > Currency exchange rates

Click the edit button to make changes.

Filter

Exchange rate type: Default

From currency	To currency	Conversion factor
EUR	BRL	100
EUR	CAD	100
EUR	CNY	100
EUR	DKK	100
EUR	GBP	100
EUR	INR	1
EUR	JPY	1
EUR	RUB	1
EUR	SAR	1
EUR	THB	1
GBP	CAD	100
GBP	DKK	100
MYR	USD	1
USD	BRL	100
USD	CAD	100
USD	CNY	100

### Currency exchange rates

From currency: EUR To currency: GBP Conversion factor: 100

Add or remove exchange rates

+ Add - Remove

Display valid exchange rates for the date range

From date: 1/2/2018 To date: 3/3/2018

Start date	Exchange rate	Exchange value
12/29/2017	88.773000000000	88.773 GBP for 100 EUR



To learn more about OANDA Exchange Rates API visit

[oanda.com/fx-for-business/exchange-rates-api](https://oanda.com/fx-for-business/exchange-rates-api)

Or contact us via phone or email:

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