

WHITE PAPER

API Keys

Eftsure inside Microsoft Dynamics 365 for F&O

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Introduction

This document describes the process required to register an API Key from either Map providers.

This document does not cover advanced API key management, restrictions and security. For advanced configuration, please refer to the vendor's documentation.

Each customer can decide to use either provider for their services.

2 main options can be configured in eftsure inside D365:

- Maps

- Places autocomplete

You can use any combination of providers for these separate services, although it is logical to use a single provider for all maps services.

At the time of writing, the following services are supported:

- Bing Maps & Bing Suggestions

- Google Maps & Google AutoComplete

- Mapbox Maps

External mapping APIs

Most features are available for Bing Maps, Google Maps and Mapbox. The following documentation describes how to get an API key to use our services.

Bing Maps APIs

General

For Bing Maps, a single API key needs to be configured for the project and can achieve

For more information, please visit Microsoft site directly:

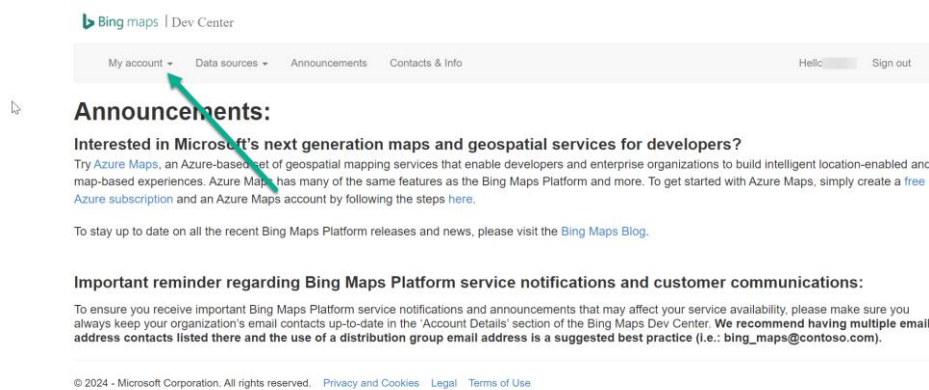
<https://learn.microsoft.com/en-us/bingmaps/getting-started/?redirectedfrom=MSDN>

<https://www.microsoft.com/en-us/maps/bing-maps/licensing>

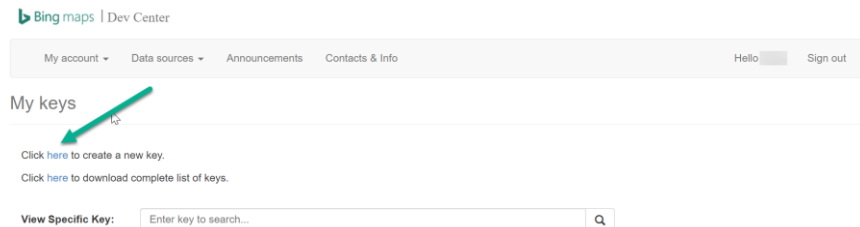
Simple key creation

Go to Bing Maps Dev Center [<https://www.bingmapsportal.com/>]

Login with a Microsoft account.



Go to My account > My Keys > Create a new key



Enter Application name, Key type = Basic, Application type = Website, Create

Bing maps | Dev Center

My account ▾ Data sources ▾ Announcements Contacts & Info Hello Sign out

My keys

Create key

Application name
eftsured365

Application URL
Enter application URL

Key type ▾
Basic

Application type ▾
Website

Create Cancel

* Required field

New keys take about five minutes to take effect.

To create Education, Broadcast or Not-for-Profit keys, please contact the Bing Maps account team at mpnet@microsoft.com.

When the process completes, the following message is displayed:

Bing maps | Dev Center

My account ▾ Data sources ▾ Announcements Contacts & Info Hello Greg Sign out

My keys

Key created successfully. Please allow about five minutes for the key to become effective.

Click [here](#) to create a new key.

Click [here](#) to download complete list of keys.

After a few minutes, the following key will be displayed:

Bing maps | Dev Center

My account ▾ Data sources ▾ Announcements Contacts & Info Hello C Sign out

My keys

Key created successfully. Please allow about five minutes for the key to become effective.

Click [here](#) to create a new key.

Click [here](#) to download complete list of keys.

View Specific Key: Enter key to search... 🔍

Application name	Key details	Enable Preview for All Keys <input type="checkbox"/>
eftsured365	<div> Key: Show key Application Url: Key type: Basic / Website Created date: 02/12/2024 Expiration date: None Key Status: Enabled Security Enabled: No </div>	Update Copy key Usage Report Enable Security Enable Preview <input type="checkbox"/>

Click Show key, copy the key and paste it into D365 eftsured “Know Your Payee” parameters form.

NOTE: The same key can be used for Maps and Places.

Google Maps APIs

General

3 different APIs are used from Google Maps APIs and can be activated independently for different options.

For more information, please visit Google site directly:

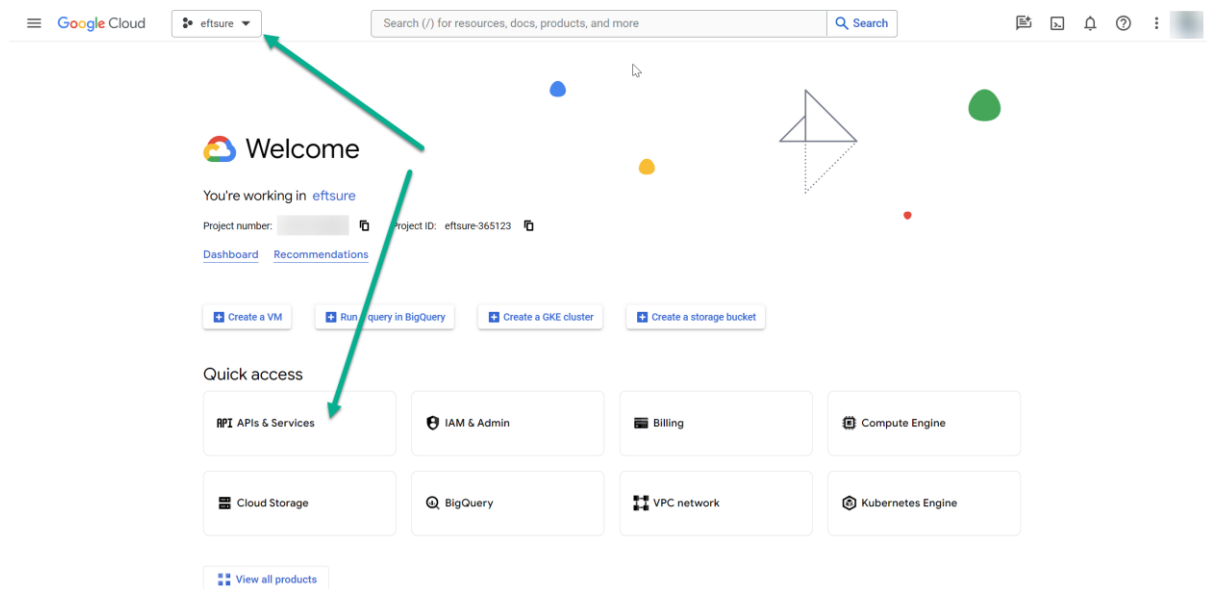
<https://developers.google.com/maps>

<https://developers.google.com/maps/billing-and-pricing/billing#dynamic-maps>

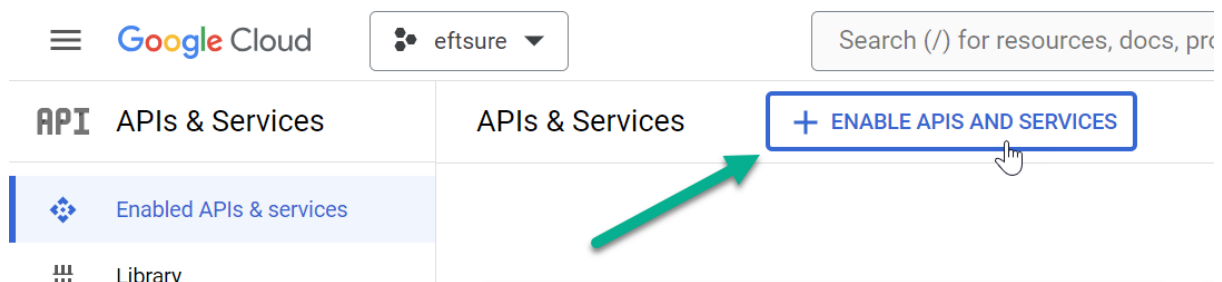
Simple key creation

Go to Google Cloud console <https://console.cloud.google.com/>

Login with a Google account, create or select an existing project to hold the API Key, and navigate to API & Services:



Select Enable APIs and services



Enable **Maps JavaScript** API for Maps to allow displaying maps into the user interface - Optional



Maps JavaScript API
Google

Add a map to your website, providing imagery and local data from the same source as Google Maps. Style the map to suit your needs. Visualize your own data on the map, bring the world to life with Street View, and use services like geocoding and directions.

Enable **Places API** for Places to allow international address autocomplete - Optional



Places API


Google Enterprise API 

Get data from the same database used by Google Maps. Places features over 100 million businesses and points of interest that are updated frequently through owner-verified listings and user-moderated contributions. Place search Return a list of places based on a user's location or search string. Place details Return detailed information about a specific place, including user reviews. Place autocomplete can be used to...

Enable **Geocoding API** to allow converting addressing into geographic coordinates - Optional


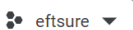



Geocoding API


Google Enterprise API 

Convert addresses into geographic coordinates (geocoding), which you can use to place markers or position the map. This API also allows you to convert geographic coordinates into an address (reverse geocoding).

Once enabled, the API will look like the following:



 Product details




Places API

[Google Enterprise API](#)

Get detailed information about 100 million places

  API Enabled



OVERVIEW


DOCUMENTATION


SUPPORT


RELATED PRODUCTS


Overview


Get data from the same database used by Google Maps. Places features over 100 million businesses and points of interest that are updated frequently through owner-verified listings and user-moderated contributions.



[Place search](#)  Return a list of places based on a user's location or search string.

[Place details](#)  Return detailed information about a specific place, including user reviews.

[Place autocomplete](#)  can be used to automatically fill in the name and/or address of a place as you type.

[Query autocomplete](#)  can be used to provide a query prediction service for text-based geographic searches, by returning suggested queries as you type.

[Place photos](#)  gives you access to the millions of Place related photos stored in Google's Place database.

[Places SDK for Android](#)  and [Places SDK for iOS](#)  allow you to build location-aware apps that respond contextually to the local businesses and other places near the device.

Additional details

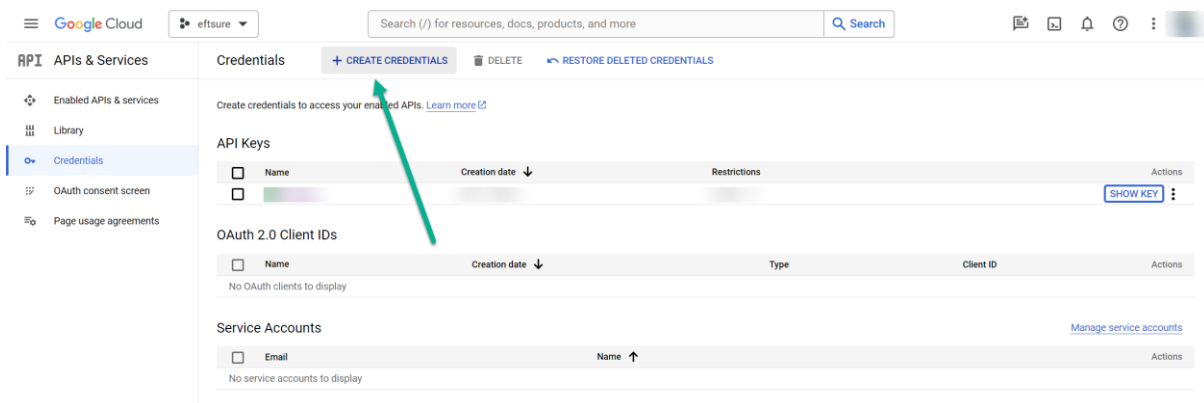
Type: [SaaS & APIs](#)

Last product update: 9/29/22

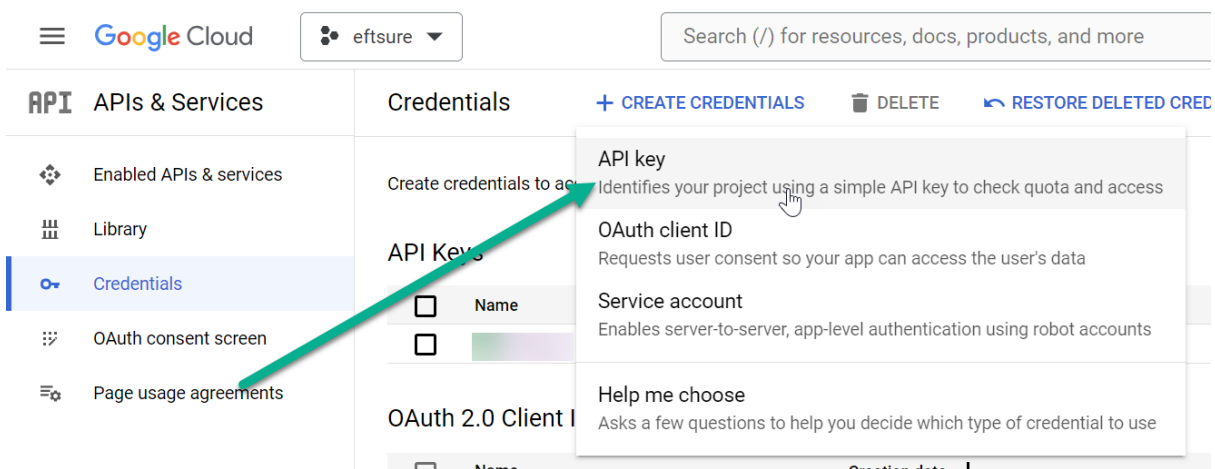
Category: [Google Enterprise APIs](#), [Maps](#)

Service name: places-backend.googleapis.com

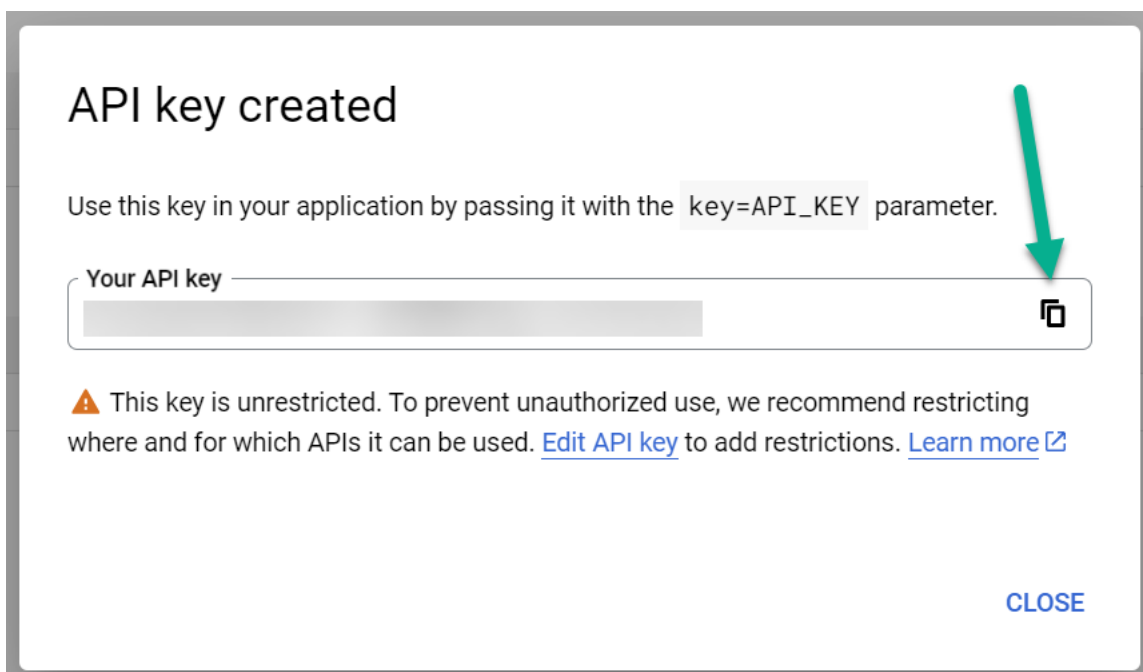
Go to Credentials and select Create Credentials:



Select API Key:



Once completed, the following screen will be displayed, use the copy button and paste it into D365 eftsure "Know Your Payee" parameters form.



Mapbox API

General

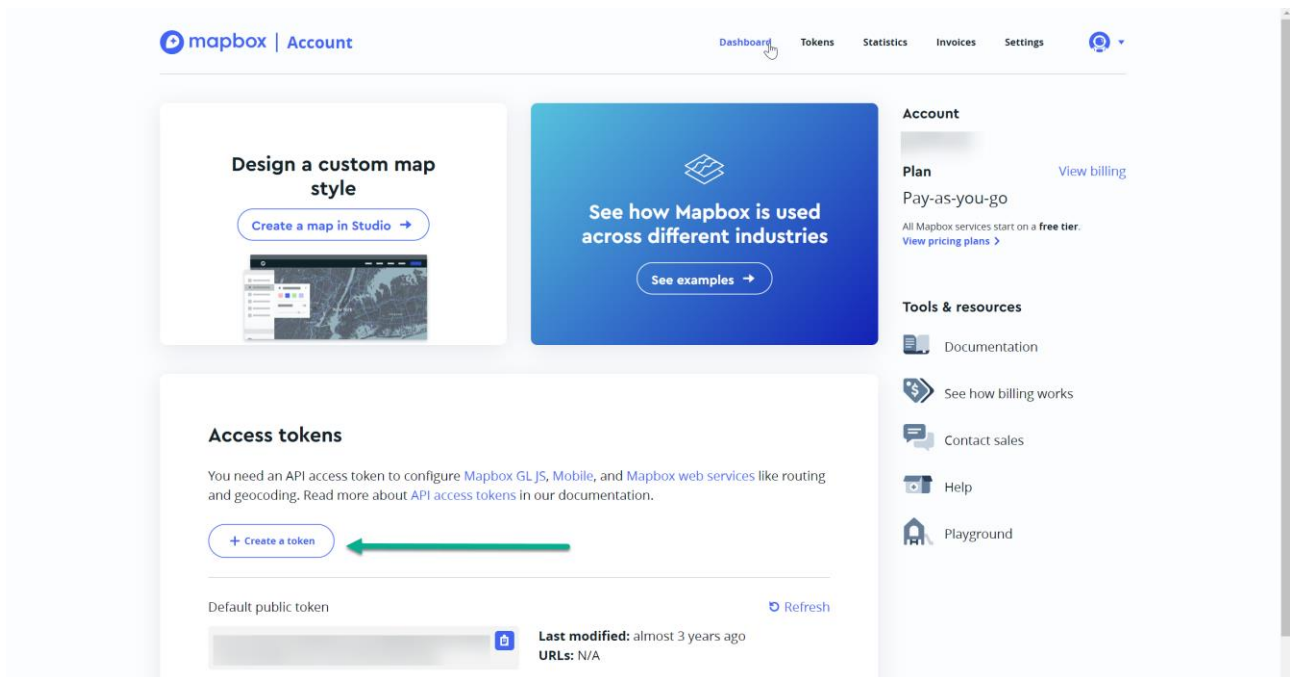
Mapbox is an American provider of custom online maps for websites and applications, currently allowed in China...

A simple API key is required for these options.

Simple key creation

Go to <https://account.mapbox.com/> and login with a mapbox account.

Select Create a token:



Enter a token name and leave default values and select Create token:

Press **F11** to exit full screen[Back to all access tokens](#)

Create an access token

Token name

Choose a name to help associate it with a project.

Name

0 / 128

Token scopes

All tokens, regardless of the scopes included, are able to view styles, tilesets, and geocode locations for the token's owner. [Learn more.](#)

Public scopes

☒ STYLES:TILES☒ STYLES:READ☒ FONTS:READ☒ DATASETS:READ☒ VISION:READ

Secret scopes

☐ SCOPES:LIST☐ MAP:READ☐ MAP:WRITE☐ USER:READ☐ USER:WRITE☐ UPLOADS:READ☐ UPLOADS:LIST☐ UPLOADS:WRITE☐ FONTS:LIST☐ FONTS:WRITE☐ STYLES:WRITE☐ STYLES:LIST☐ STYLES:DOWNLOAD☐ STYLES:PROTECT☐ TOKENS:READ☐ TOKENS:WRITE☐ DATASETS:LIST☐ DATASETS:WRITE☐ TILESETS:LIST☐ TILESETS:READ☐ TILESETS:WRITE☐ DOWNLOADS:READ☐ VISION:DOWNLOAD☐ NAVIGATION:DOWNLOAD☐ OFFLINE:READ☐ OFFLINE:WRITE

Token restrictions

Make your access tokens more secure by adding URL restrictions. When you add a URL restriction to a token, that token will only work for requests that originate from the URLs you specify. Tokens without restrictions will work for requests originating from any URL.

URLs

Restrict this token to specific URLs. You can add URLs one at a time or as a comma-separated list. Your URL's format is important. Learn more about how to format your URL on our [access token documentation page](#). This feature is compatible with many Mapbox tools with some limitations. For web applications using Mapbox GL JS, it requires version 2.5.2.1 and higher. It is not currently compatible with Mapbox native SDKs.

Select the copy button and paste the API key into D365 eftsure "Know Your Payee" parameters form.

Access tokens

You need an API access token to configure [Mapbox GL JS](#), [Mobile](#), and [Mapbox web services](#) like routing and geocoding. Read more about [API access tokens](#) in our documentation.[+ Create a token](#)

Name	Token	Last modified	URLs
NewToken	<div></div>	1 minute ago	0