

# Realogy API Vendor Guide

## Introduction

### Document Purpose

This guide help the consumers of Realogy APIs to perform basic runtime testing of calling Realogy APIs using SOAP UI/Postman tool and basic walk through of the APIM Developer Portal.

### Target Audience

This guide targets the Application Development team who are the consumers of the Realogy APIs.

### Terms, Abbreviations & Definitions

Term/Abbreviation	Definition
CORS	Cross-Origin Resource Sharing
CRUD	Create, Read, Update and Delete
HTTP	Hypertext Transfer Protocol
JSON	JavaScript Object Notation
JWT	JSON Web Token
RFG	Realogy Franchise Group
REST	Representational State Transfer
SSL	Secure Sockets Layer

### Supported Browsers

Chrome 72 and above

IE 11 and above

Firefox 68 and above

Safari 12 and above

## New to Realogy Developer Portal?

Please check our blog - <https://developers.realogy.com/blog/new-developer-portal-what-you-should-know>

## Developing Applications Consuming Realogy APIs

### Working with Developer Portal

To access the Realogy APIM Developer Portal, click <https://developers.realogy.com/home> and use **Sign Up** option to register as a new user (external to Realogy network) to the Developer portal.

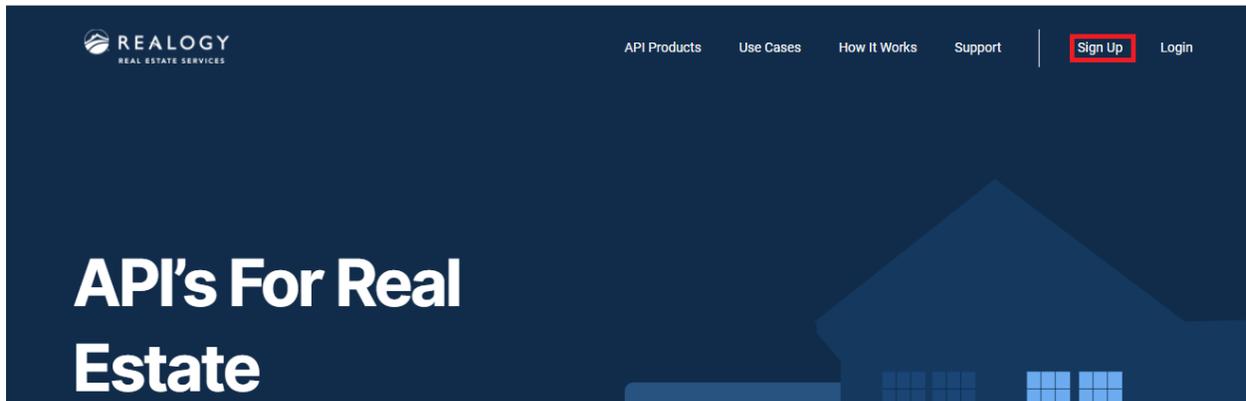


Figure 1 - APIM Developer Portal - Home Page



[Login](#)   [Create New Account](#)   [Reset Your Password](#)

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\* First Name

\* Last Name

\* E-mail address

\* Username

Activate Windows  
Go to Settings to activate Windows.

Figure 2 - New User Registration

In the **Create New Account** section, after filling the required details and other profile preferences, the user can log in using the **Login** option.

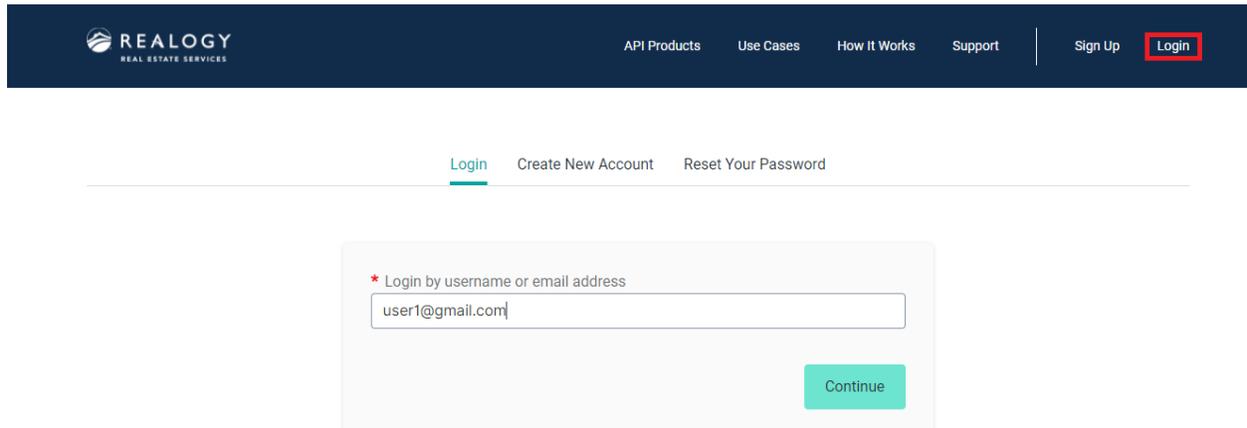


Figure 3 - Login

Once logged in to the portal, click on **API Products** to go through the list of available APIs and its associated products.

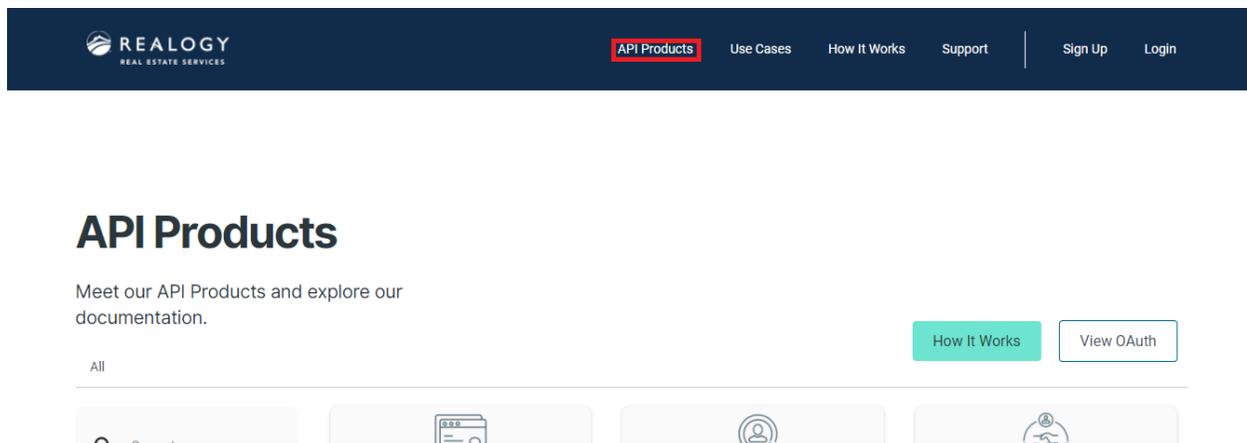


Figure 4 - Explore option - Catalog of all Products and APIs available

This will show the different APIs grouped under different products on the left pane.

Once an API is selected under the specific product, documentation for that API shows all the methods available under it which are grouped under entities. For example, Listings, Offices and many more. Once a specific method is selected by expanding the entity, the details of the method including the business rules and other documentation will be available on the main screen.

# API Products

Meet our API Products and explore our documentation.

How It Works View OAuth

All

Search Real Estate ^

- Relocation
- Franchise, Brokerage Agent Recruiting
- Consumer Consumer Journey

Figure 5 - API grouping by products

REALOGY REAL ESTATE SERVICES API Products Use Cases How It Works Support

## Back Office Management 1.0

Public Get Access

- Summary
- Specification**
- Essential Reads
- FAQ
- SDK

### Key Features

- 1 Sync Your Back Office with Realogy
- 2 Get Real Time and Batch Updates
- 3 Get Multiple Real Estate Entities

Activate Windows Go to Settings to activate Windows.

Figure 6 – About the BackOffice product

Click the **Specification** tab to know the details of the APIs of that product.

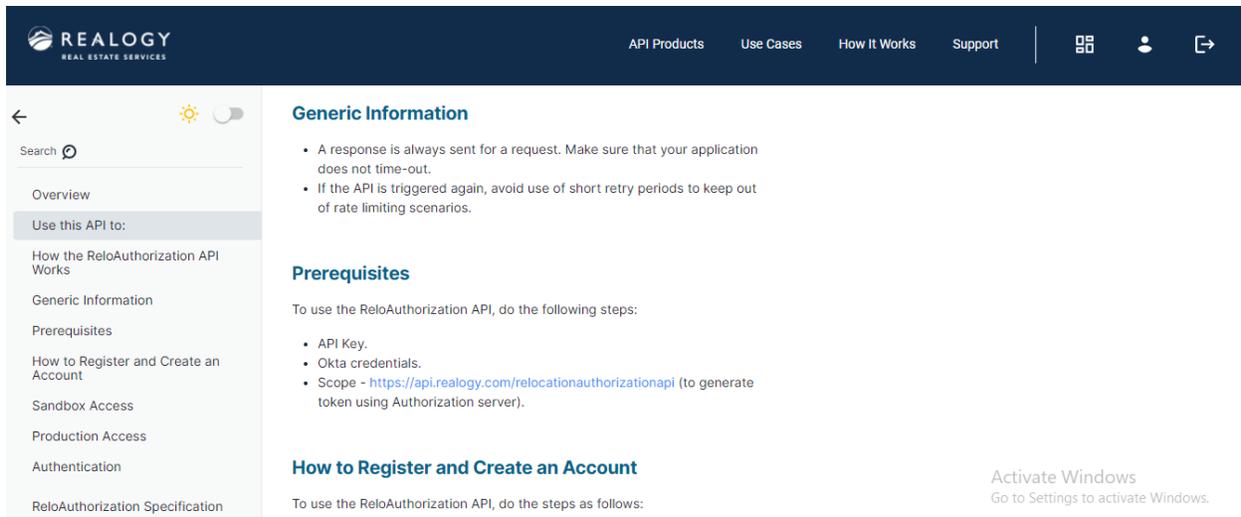


Figure 7-Details of API methods grouped by a sample few entities shown here under Dash API

To access the APIs on a specific environment from an Application (App) or a test client in runtime, an App needs to be registered on the [Realogy Developers Portal](#) by the logged in user by selecting the appropriate product and the environment to which the APIs are associated.

To Create an App, Click  icon on the Menu bar and Select **ADD APP** button.

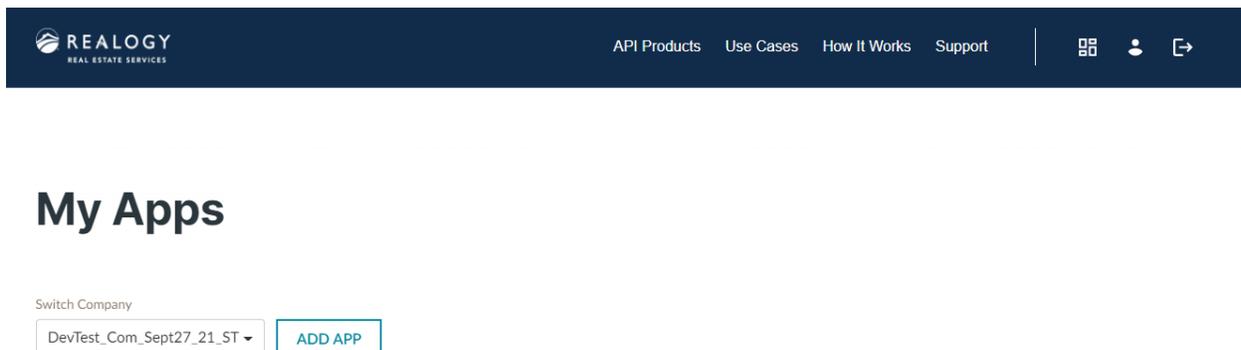


Figure 8- My Apps

Enter the **User Name and Email** and then select the product that the APIs are associated with under a particular environment – starting with Sandbox environment.

# Get API Credentials

Request access and get API credentials by adding an App.  
\* All fields are mandatory unless indicated as optional

- \* User name
- \* Email
- \* Product

Figure 9- Add App

Provide your **Company/Group/Team** name and type the required **Prefix App Name** and then, click the **Request API Credentials** button.

- \* Product
- \* Environment
- \* Company/Group/Team ⓘ
- \* Prefix App name

Figure 10- Request Access

Once the credentials are filled, the below popup message is displayed.



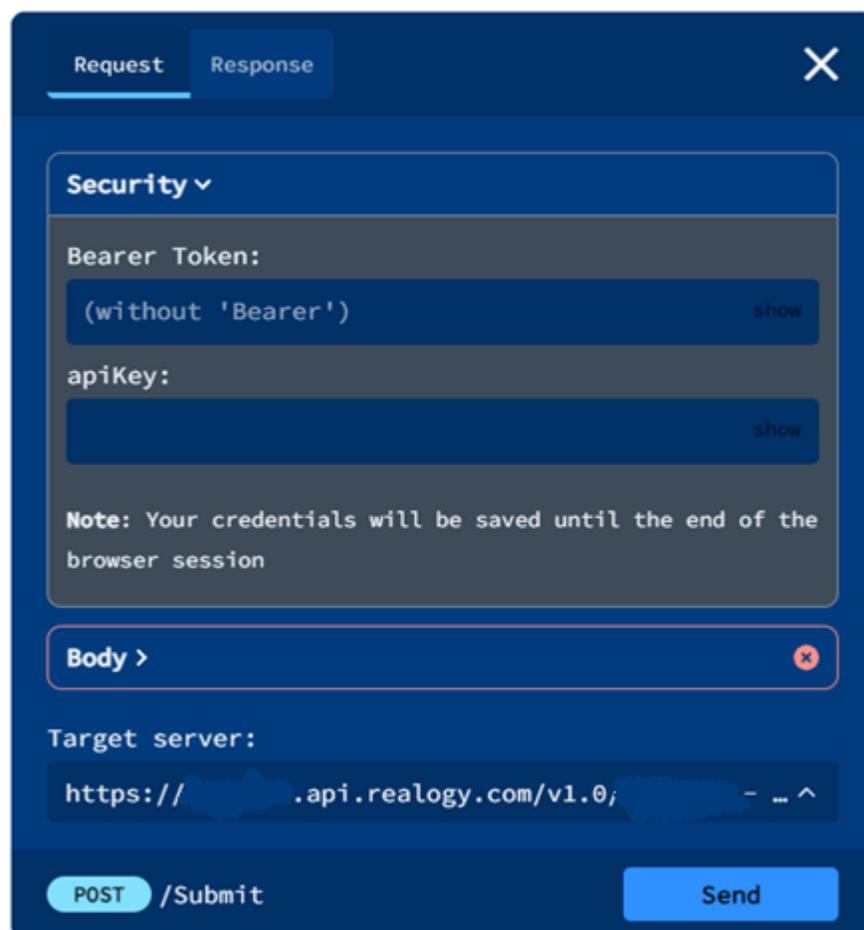


Figure 12 - Try IT

Try it feature is available at an API method level. It can call the API method on the sandbox environment right from the Portal

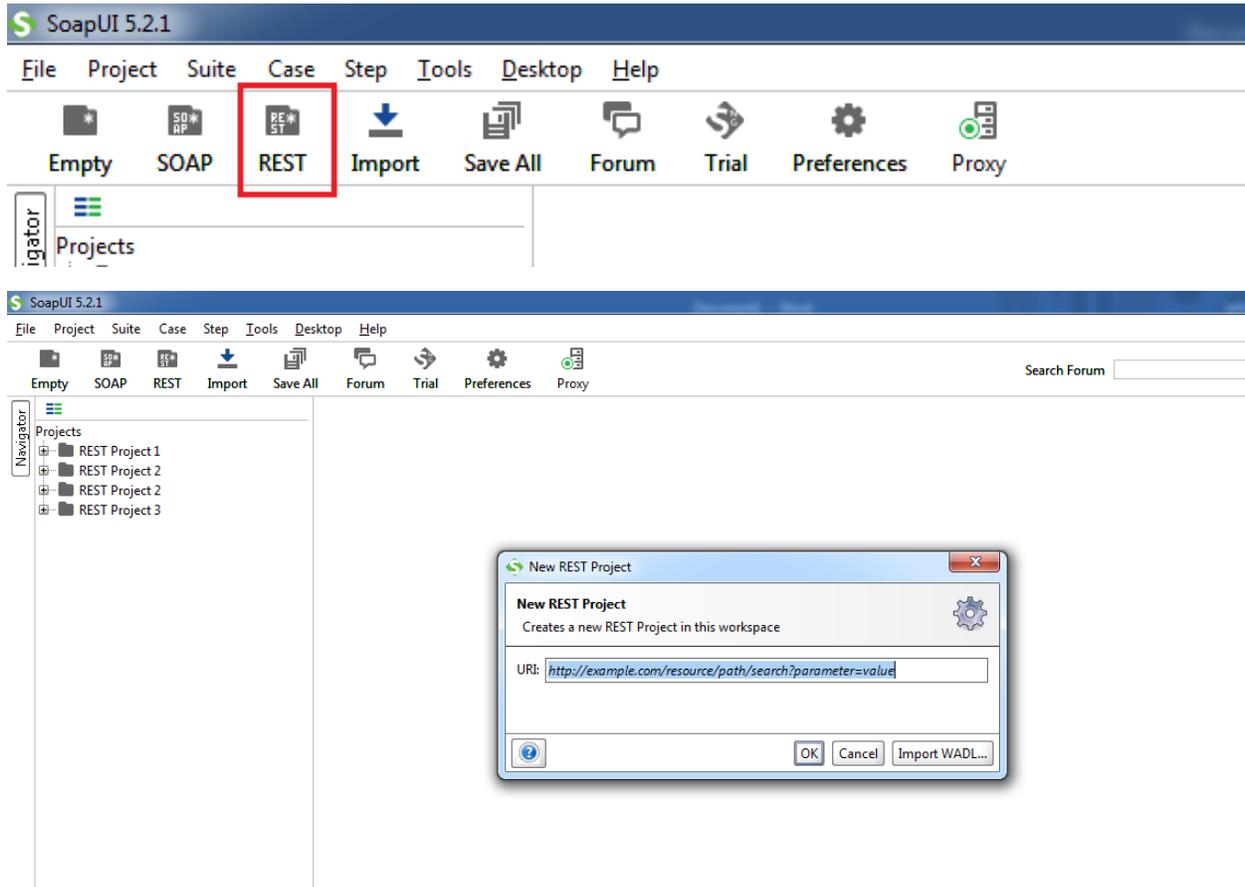
1. API Key to be set with consumer key value for the app registered in the developer portal.
2. {access\_token} value next to Bearer tag to be retrieved using OAuth credentials for the app registered on the portal and use Postman/SOAP UI tool shown below.

### Generate Access Token for Try It feature in the Portal

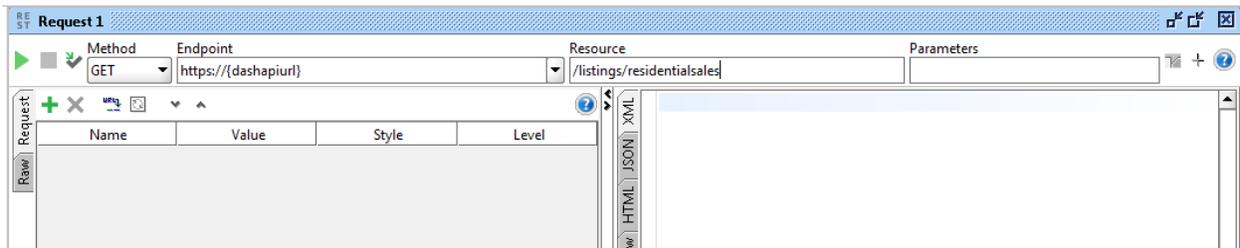
The Authorization header needs to be populated with **Bearer** {access\_token} where the {access\_token} must be generated either using postman or soap UI as given in the below sections.

## Access API using SOAP UI

Open SOAP UI (version 5.2.1 or above) and create a new **REST** Project and give the URL as <https://{apiurl}> (this URL will be communicated separately for each environment).



Once the URL is provided, enter the resource name that is being looked up and enter the query string parameters and then select the HTTP method type for the operation.



Now, add a header with the name **API Key**. The value for this header will be the consumer key which was generated during the app creation. This key will be used to authenticate the user.

To generate a new access token set OAuth 2.0 flow and scope can be seen in the **Specifications** page under **Prerequisites** section.

**Get Access Token from the authorization server**

OAuth 2 Flow: Client Credentials Grant

Client Identification: Enter client\_id provided to your application

Client Secret: Enter client\_secret provided to your application

Access Token URI: <https://realogy.oktapreview.com/oauth2/ausdtpyw647fbrCPi>  
(NON-Prod Token URL)

Scope: Enter App ID URI for RFG API e.g. <https://btt.realogyfg.com/>

Get Access Token

Automation...

[How to get an access token from an authorization server](#)

▲ Get Token

### Non-prod Access Token URL

<https://realogy.oktapreview.com/oauth2/ausdtpyw647fbrCPi0h7/v1/token>

If the request for access token is valid, then the Authorization server will generate access\_token. **This is the access token {access\_token} to be used in Try IT section.**

Optionally, to test the final method from this Test client, Click **Send** to access the final method using SOAP UI.

REST Request 1

Method: POST Endpoint: https://{apiurl} Resource: /resource

Name	Value	Style	Level

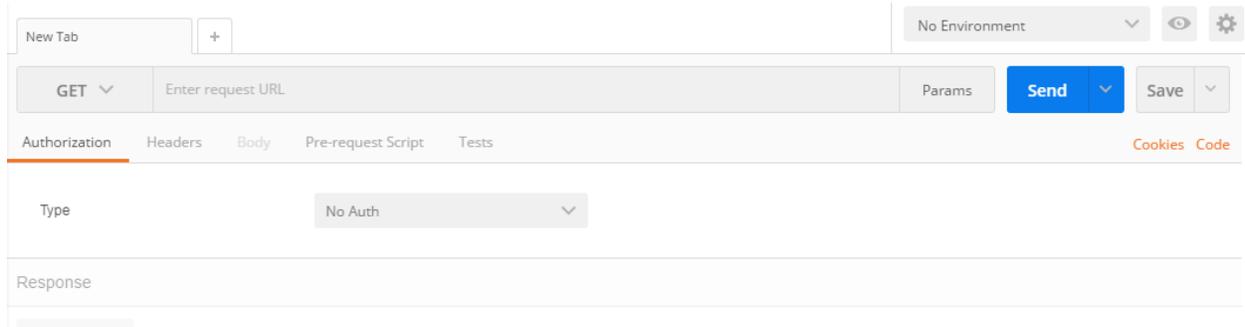
Required:  Sets if parameter is required

Type:

Raw HTML JSON XML

## Access API using PostMan Tool

Open Postman and add a new Tab. Select the HTTP method type, URL with the API base URL and the resource names (the API base URL will be provided separately for each environment).



Click on **Params** to enter the query string parameters required for the API. Also, add a header by selecting the Headers link. The header should be with the name **API Key**. The value for this header will be the consumer key which was generated during the app creation. This key will be used to authenticate the user.

Set Authorization Type to OAuth 2.0 and get new access token using specific grant type as shown below.

If request for access token is valid, then Authorization server will generate access\_token that will automatically add to the request as Authorization header containing the Bearer token.

**This is the access token {access\_token} to be used in Try IT section.**

GET NEW ACCESS TOKEN
✕

Token Name

Grant Type

Access Token URL ⓘ  
(NON Prod Token URL)

Client ID ⓘ

Enter client\_id provided to your application

Client Secret ⓘ

Enter client\_secret provided to your application

Scope ⓘ

Enter App ID URI for RFG API e.g. https://bt.realogyfg.com/realogyapi

Client Authentication

### Non-prod access token URL

<https://realogy.oktapreview.com/oauth2/ausdtpyw647fbrcPi0h7/v1/token>

Optionally, to test the final method from this Test client, click **Send** to call the final method with the access token in Postman.

GET
https://api.realogy.com/v1.0/dash/batches/10055

Send
Save

Params
Authorization
Headers (8)
Body
Pre-request Script ●
Tests ●
Cookies
Code
Comments (0)

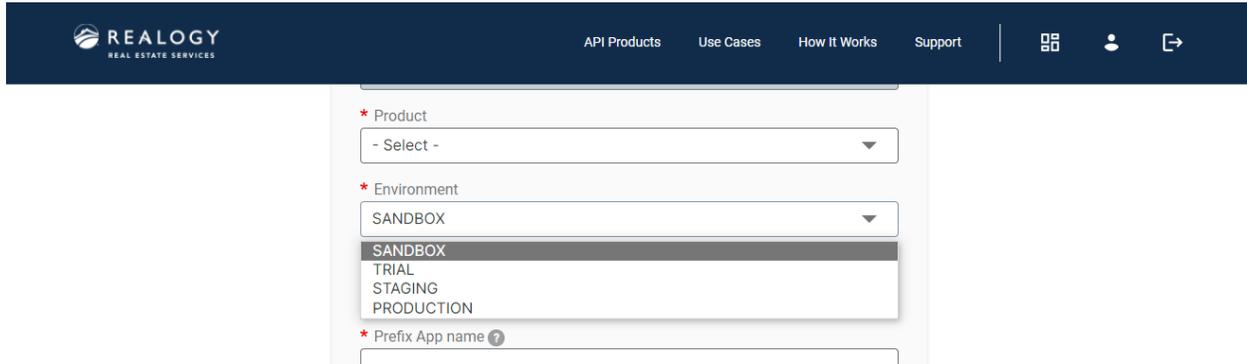
▼ Headers (1)

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	apikey		<span>***</span> <span style="color: #007bff;">Bulk Edit</span> <span style="color: #007bff;">Presets ▼</span>

### Register Access from the App to Successive Environments

To request access for subsequent environments beyond sandbox one after the other, use the **Add App** option and choose the corresponding product under the respective environment for which the app needs to be registered. For example, after testing the calls to Realogy APIs on

the sandbox environment, request the access to the corresponding product under trial environment as shown below.

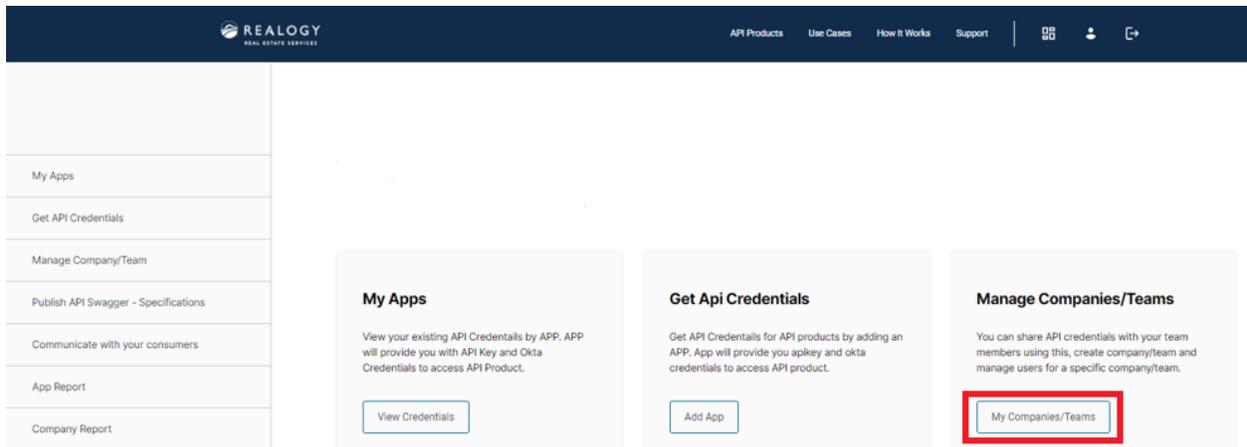


The screenshot shows a dark blue header with the REALOGY logo and navigation links: API Products, Use Cases, How It Works, and Support. On the right side of the header are icons for a grid, a user profile, and a share icon. Below the header is a form with three fields:

- \* Product: A dropdown menu with '- Select -' as the current selection.
- \* Environment: A dropdown menu with 'SANDBOX' selected. The dropdown list is open, showing options: SANDBOX, TRIAL, STAGING, and PRODUCTION.
- \* Prefix App name: A text input field with a help icon.

## Invite a Company Developer

Company admin can send an invite to the company developer to create/manage its apps. Login with the registered company admin user and navigate to **My Companies/Teams** page.



The screenshot shows the REALOGY dashboard with a dark blue header containing the logo and navigation links. On the left is a sidebar menu with the following items: My Apps, Get API Credentials, Manage Company/Team, Publish API Swagger - Specifications, Communicate with your consumers, App Report, and Company Report. The main content area features three cards:

- My Apps**: View your existing API Credentials by APP. APP will provide you with API Key and Okta Credentials to access API Product. Button: View Credentials.
- Get Api Credentials**: Get API Credentials for API products by adding an APP. App will provide you apikey and okta credentials to access API product. Button: Add App.
- Manage Companies/Teams**: You can share API credentials with your team members using this, create company/team and manage users for a specific company/team. Button: My Companies/Teams (highlighted with a red border).

Click on the Company under which you want to send the invite to a developer.

## My Companies/Teams

CREATE COMPANY/TEAM

Below is a list of companies/teams owned by / associated with you.

Company/Team	Role(s)	Status	Action(s)
uat-test-mindtree77		Active	LEAVE
DevTest_Companysept		Active	LEAVE
VWAHFDVDVP		Active	LEAVE
8ptoelg54		Active	LEAVE

Enter developer's email and send the invite. Developer will receive an email with an invitation link. By clicking the link, the user will be prompted to either Accept or Reject the invitation.

The screenshot shows a web browser window with the URL <https://rgy-developers.realogy.com/teams/developers/d8testuatcompanyname10>. The page displays a navigation menu with options like Structure, Appearance, Extend, Configuration, Groups, People, Reports, and Help. The main content area is titled 'Developers' and shows a list of users. An 'Invite Members' dialog box is open, featuring a search field for developers, a list of roles (Company Administrator and Developer), and an 'INVITE MEMBERS' button.

## Company Developer Accept/Reject the Company Invitation

When the Developer click the invite link, it navigates to the below screen.

https://test-developers.realogy.com/user/register

REALOGY  
REAL ESTATE SERVICES

API Products Use Cases How It Works

Login **Create New Account** Reset Your Password

\* First Name  
\* Last Name  
\* E-mail address  
\* Username  
\* Company Name  
\* Industry  
- Select a value -  
\* Country  
- Select a value -

I accept the [Terms of Use](#) and I have read the [Privacy Policy](#)

I'm not a robot 

Create New Account

### My Companies/Teams

CREATE COMPANY/TEAM

Below is a list of companies/teams owned by / associated with you.

Search Company/Team\*

Company/Team	Role(s)	Status	Action(s)
D8TestUatCompanyName10	Developer, Company Administrator	Inactive	LEAVE

On accepting the invitation, developer get registered added to the company (**after email verification by the developer for their login and setting a valid password**). Once successful registration under the company, the features of Exploring, Registering an app for the access to APIs can be done by the developer.