

Verto OData API

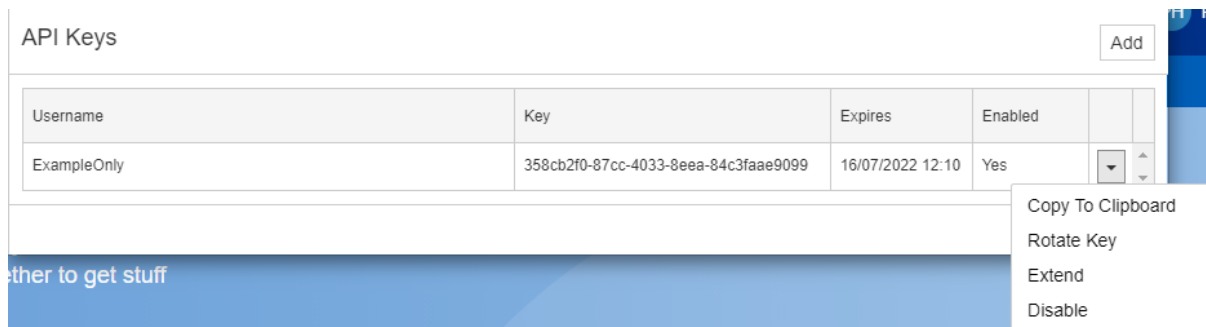
Introduction

Verto offers an OData API which provides real time, read only access to your Verto data. The API can be consumed by several different applications including Excel and PowerBI. This document details how to set up API keys, manage access to your data and how to consume the API through the Microsoft OData feed interface.

API Key Management

Administrators in Verto have access to the API Key management interface, which can be accessed by clicking on the Administration Cog > API Keys.

The OData API allows for full unrestricted access to your data, this should be kept in mind when issuing API keys.



Username	Key	Expires	Enabled		
ExampleOnly	358cb2f0-87cc-4033-8eea-84c3faae9099	16/07/2022 12:10	Yes		

This interface allows you to:

- **Add:** The username for each key can be chosen while the key itself is generated automatically, there is no limit to the number of username/key pairs.
 - This allows different report writers or departments to use a different key which can be disabled/extended/rotated separately from the others.
- **Rotate:** Rotating a key leaves the username the same but regenerates the key.
- **Extend keys:** By default, API keys expire after one year. This can be extended manually at any time. Expired keys cannot be used to access the API.
- **Disable:** Disables the key. Disabled keys cannot be used to access the API.

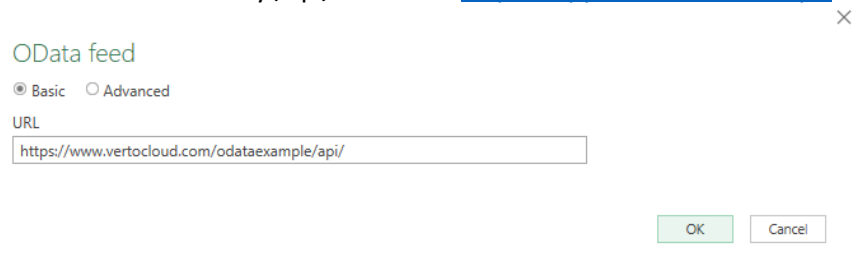
Consuming the API

Microsoft provide a standard interface across their applications to help consume OData feeds, opening this interface varies by application:

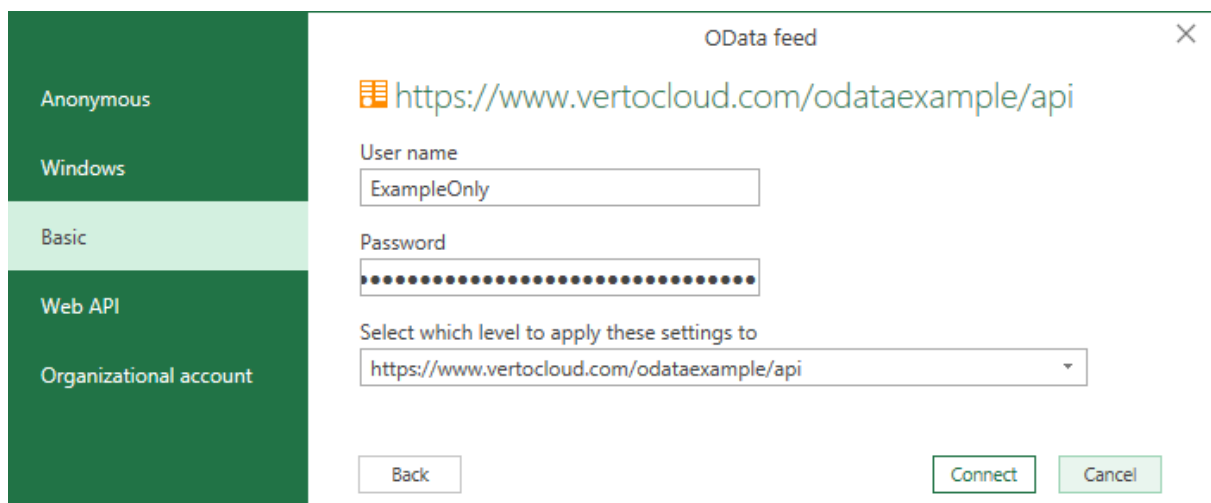
Excel: Data Tab -> Get Data -> From Other Sources -> From OData Feed

Power BI: Home Tab -> Get Data -> OData Feed

1. Enter your Verto URL followed by /api/ i.e. enter <https://app.verto365.com/api/>.



2. Choose Basic, enter a valid username and password (key) from the API Key management interface (NB This is not your normal Verto username). Choose the URL in the dropdown that matches the URL at the top of the window (ending in "/api/"):



3. Choose an entity to start with (typically Projects) and choose "Transform Data" to create a query and get started working with your data.



Navigator

Select multiple items

Display Options ▾

- Project
- ProjectCashableBenefit
- ProjectCashableBenefitSaving
- ProjectCost
- ProjectIssue
- ProjectIssueOwner
- ProjectMember

Project

ProjectCodeAndName	ProjectID	ProjectC
PR000010: Cranberry High Road Link	10	PROO
PR000017: Trent Village Baths	17	PROO
PR000019: Combined Authority	19	PROO
PR000021: OurSpace	21	PROO
PR000023: Riverside Area Project	23	PROO
PR000024: Eastville	24	PROO
PR000025: Community Venues	25	PROO
PR000028: United Communities	28	PROO
PR000029: Vacant Homes	29	PROO