

Record APIs - Getting Started

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ReadiNow allows you to integrate your tenant data with other systems. You can query and update data from outside the platform by exposing your data through Record APIs.

In this article:

- Authentication
 - Client and Secret Configuration
 - Step 1: Creating a new client
 - Step 2: Creating a new secret
 - Requesting an Access Token
- Record Types
- Enabling Record APIs
- Publishing Record APIs
- Sandbox (Swagger) Interface

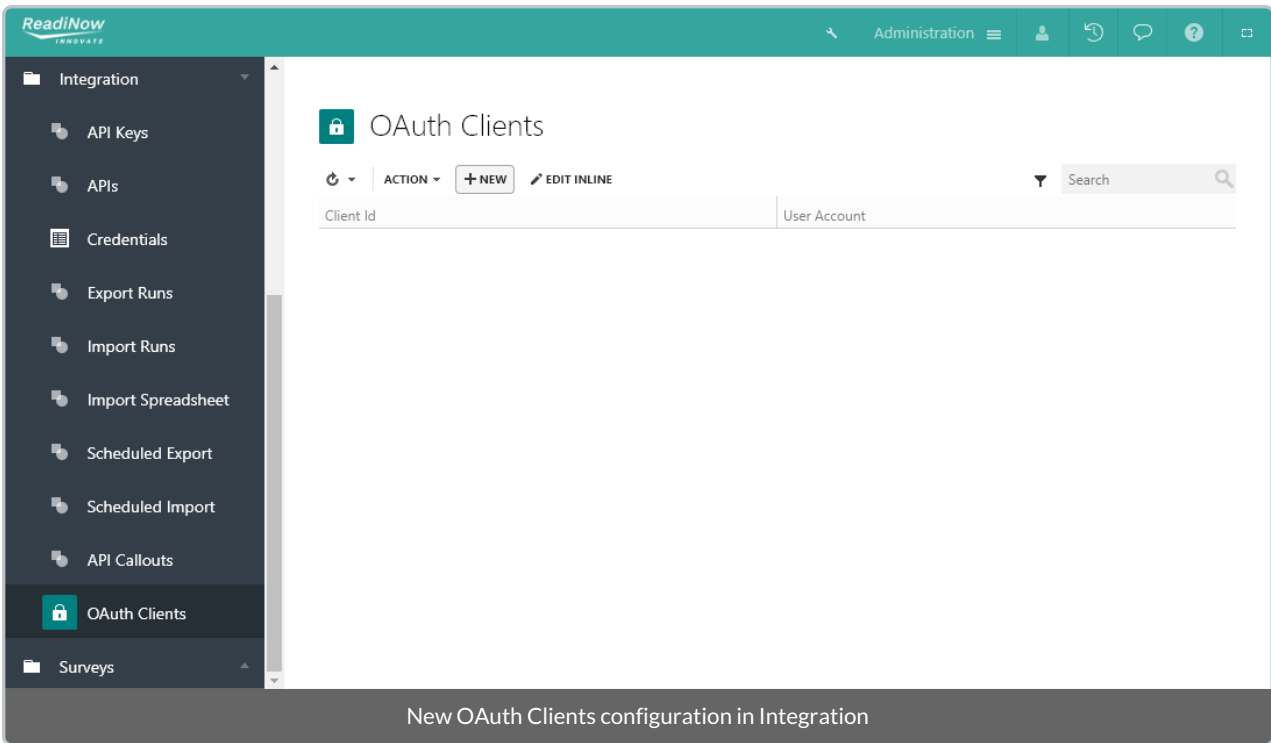
Authentication

The platform's APIs use OAuth 2.0 authentication with the [Client Credentials Grant Flow](#), which generates a token from a client identifier and a shared secret.

Client and Secret Configuration

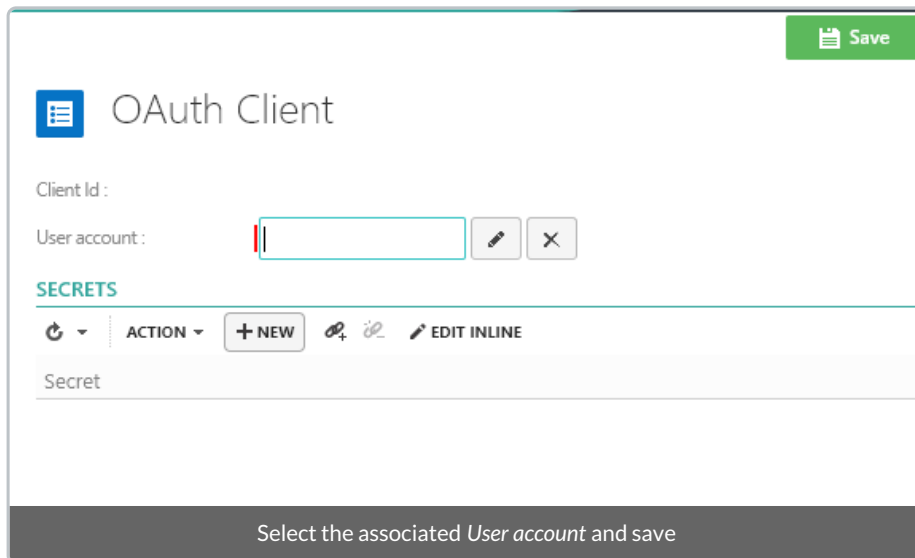
To obtain an access token for the platform's APIs, it is necessary to create a Client Identifier and a Shared Secret. Each Client Id is linked to a user account, and access tokens issued against this client Id will cause API operations to be performed in the context of this user account. It is security best practice that a new account is created for each integration, as well as a new OAuth Client definition; in this way it is easy to identify the origin of requests and disable one integration without affecting others.

This configuration is done in **Administration > Integration > OAuth Clients**.

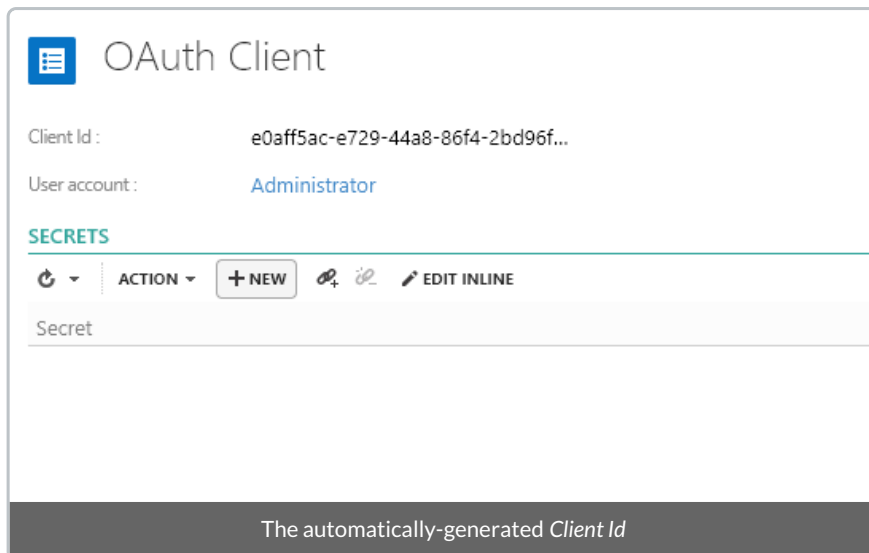


Step 1: Creating a new client

Select +NEW and the following dialogue appears, where the associated user account must be selected.

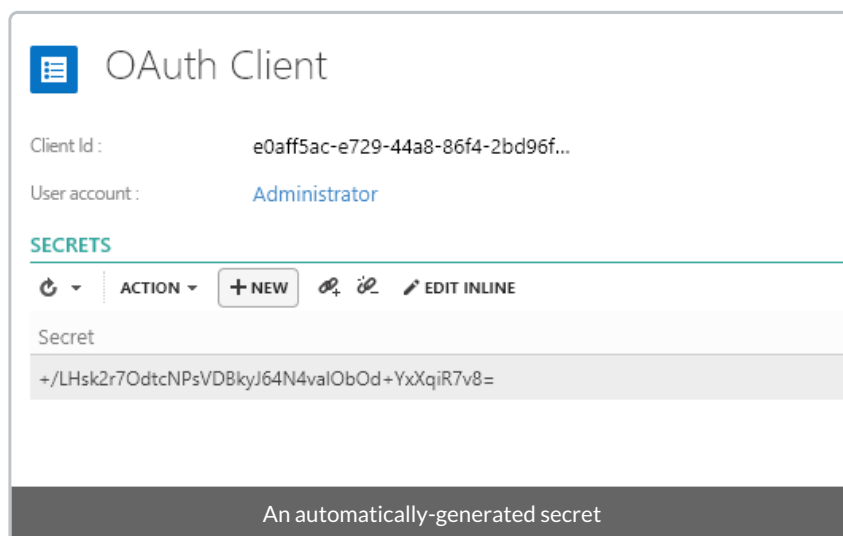
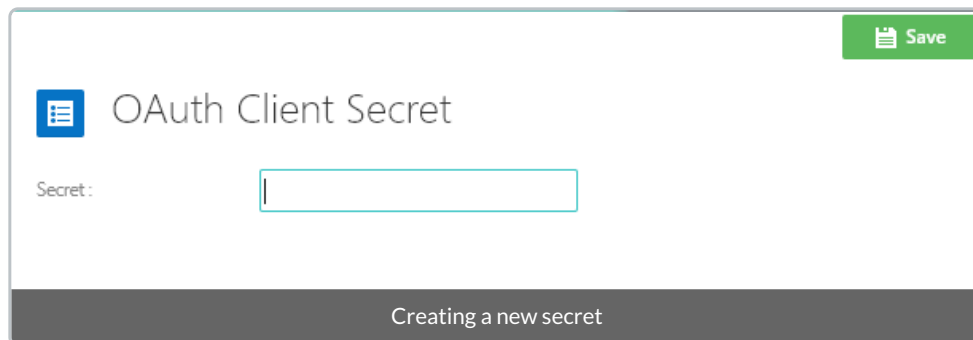


Once the user account is selected, select **Save** and the *Client Id* will be automatically generated and populated on the form.



Step 2: Creating a new secret

After the *Client Id* has been created, select **+NEW** under **SECRETS**; in the dialogue that appears simply select **Save** and a secret will be automatically generated. Secrets do not expire.



Requesting an Access Token

Once you have enabled record APIs, you can click on the name of the *Record Type* to view its details.

□

From this page, you can enable, disable, modify, and publish the APIs for this *Record Type*. You can also view documentation for your *Record Type*'s available APIs.

Note - if your *Object* is not attached to a *Solution*, then it will not appear as a *Record Type* on the Record APIs page.

You can select the application that an *Object* is attached to via its properties window in the form builder:

□

Publishing Record APIs

When you are satisfied that your API is stable (i.e. is not likely to change) then you can publish it. It will then become available for use at a well-known URL which will not change unless you re-publish the API. Any changes made to the *Preview API* (i.e. the API form) after the API has been *Published* will not be reflected in the *Published API* until you publish it again.

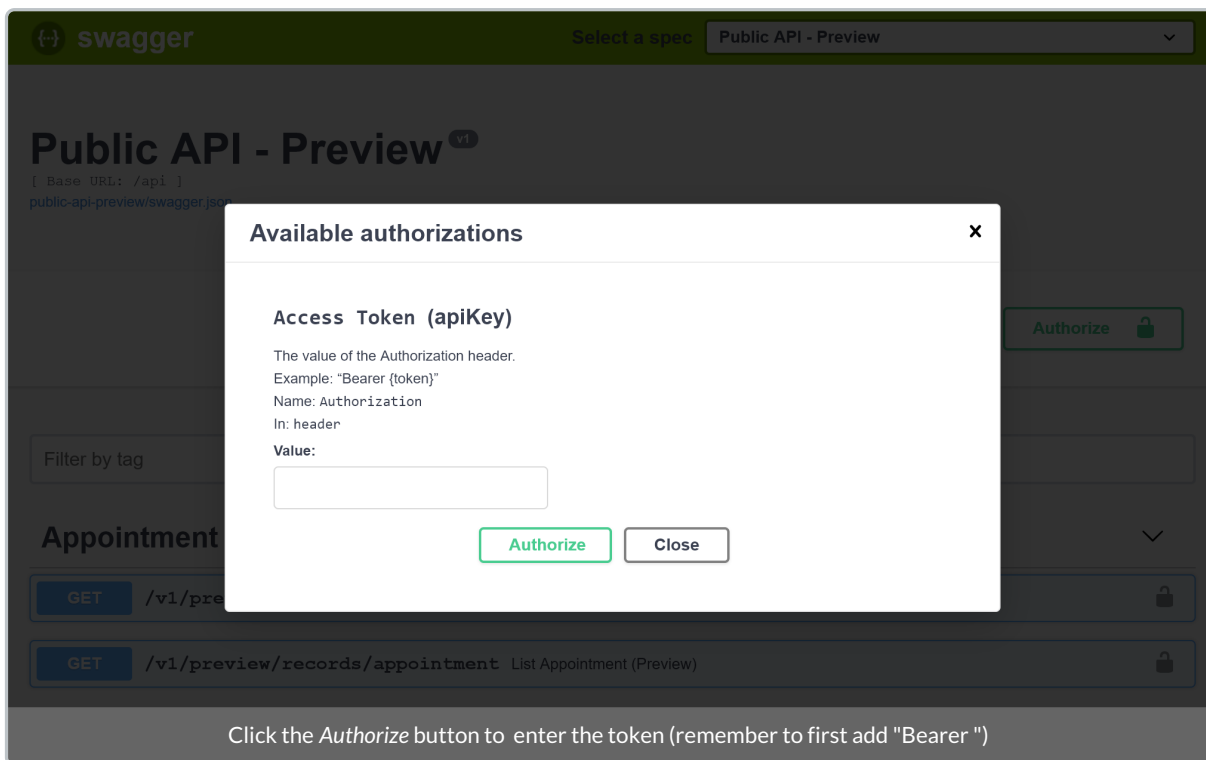
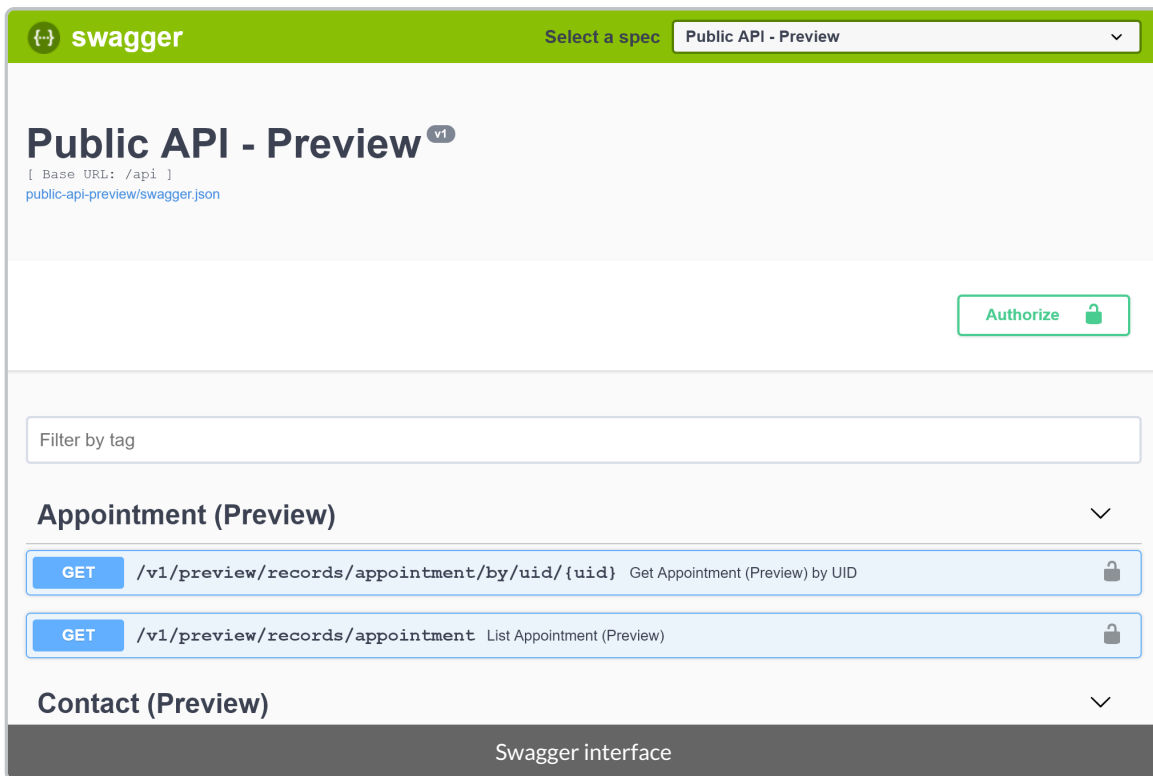
Each time APIs are published for a *Record Type*, its *Revision Number* is incremented (so its path changes from "records/my-record-type/r1" to "records/my-record-type/r2", etc).

Sandbox (Swagger) Interface

A sandbox ([Swagger UI](#)) is available for the platform's public APIs. This UI provides documentation for each API and its operations, as well as a facility for invoking those operations.

Open a web browser and navigate to <https://{domain}.readinow.com/api/swagger/{tenant}/index.html> replacing "domain" and "tenant" with the appropriate values.

From the **Select a spec** drop-down, you can choose to view the documentation for either your *Preview* or your *Published APIs*.



With a valid token it is possible to execute any of the API methods directly in the Swagger interface; where parameters are required these can be entered in the Swagger interface.

Appointment (Preview)

GET /v1/preview/records/appointment/by/uid/{uid} Get Appointment (Preview) by UID

Look up and retrieve a single Appointment (Preview) record by its UID.

Parameters

Cancel

Name	Description
uid * required string(\$uid) (path)	The UID of the Appointment (Preview) to retrieve
	<input type="text" value="uid - The UID of the Appointment (Preview) to"/>
Accept-Language string (header)	An (optional) language / culture name to be used for comparisons and sorting.
	<input type="text" value="Accept-Language - An (optional) language / c"/>
RN-TimeZone string (header)	An (optional) time zone name to be used when performing date / time calculations.
	<input type="text" value="RN-TimeZone - An (optional) time zone name"/>

Execute

Example of executing a method using the *Try it out* button