

Using the OneFile API

Overview

Our API can be used to allow external systems to insert and report on data in OneFile. Each OneFile customer can request an API token, which will be used to authenticate with the external system.

Preparation

When developing an integration with OneFile using our API, you'll need to be set up on our Beta environment. We will create a Beta Customer and Beta Centre to mirror the setup of an existing customer on the live environment.

[Click here](#) to be set up on Beta and to request an API token.

Documentation

[Click here](#) to view our technical documentation.

[Click here](#) to view the architecture diagram.

Details

Base URL

- Beta: <https://wsapibeta.onefile.co.uk/api/v2>
- Live: <https://wsapi.onefile.co.uk/api/v2>

How to authenticate

1. Call the POST `/api/v2/Authentication` endpoint with the Customer API token set as the "X-CustomerToken".
2. Use the session that is returned in an "X-TokenID" header to authenticate all other calls.

Rate limit

- There is a limit of 100 calls per minute. If this is reached, you'll receive a 429 error.

Token expiry

- The X-TokenID will expire 24 hours after being generated.

Creating users

Users can be created using the POST /api/v2/User call. The following roles are supported in the API:

User role description	Role
Learner	1
Assessor	5
IV/IQA	10
Employer	40
Observer	45

When creating a learner, the required fields are:

- First name
- Last name
- Role
- DefaultAssessorID
- ClassroomID
- PlacementID

When creating any other type of user, the required fields are:

- First name
- Last name
- Role

Assigning users to a learner

Users can be assigned to a learner using the POST /api/v2/User/{id}/Assign call. The following levels allow you to specify how a user should be assigned to a learner:

Assignment level	Level	Additional required data
Default	not set	
Learning aim	3	StandardID
Unit summary	2	UnitID
Additional	1	

Standards and units

- Use the POST /api/v2/Standard/Search/{pageNumber}/{pageSize} call to see the details of the standards assigned your Organisation.
- Use the POST /api/v2/Unit/Search/{pageNumber}/{pageSize} call to see units allocated to a Standard.

Learning aims and unit summaries

When a standard is assigned to a learner POST /api/v2/Standard/{id}/Assign/{learnerID}, it generates a learning aim for that learner, for that standard.

When a unit is assigned to a learner POST /api/v2/Unit/{id}/Assign/{learnerID}/{standardID}, it generates a Unit Summary for that learner for that unit.

Object description and info

Object	Description	Other info
Customer	The company using OneFile (such as 'Onefile Ltd')	
Organisation	A centre or sector within the customer (such as 'OneFile - Business Admin')	Multiple organisations can be linked to a customer
User	Users can log into OneFile. Each user has an individual account for a specific role. The role indicates what type of account the user has.	Users are linked to an organisation. Users can be assigned to other users.
Standard	A qualification which contains a list of units.	Standards are assigned to an organisation by a OneFile administrator.
Unit	Containing outcomes and criteria.	Units are directly linked to standards.
Learning aim	An instance of a standard, once assigned to a learner.	
Unit summary	An instance of a unit, once assigned to a learner.	



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