

Querying learner progress data with the partners API

It is possible to automate the process of exporting learner progress data from FutureLearn's [Learning Manager](#) platform and import it into your own systems.

This applies if:

1. You have FutureLearn course UUIDs stored against the equivalent course records in your own system.
2. You have the same external learner IDs stored against the equivalent learner records in your own system.
3. You're able to store FL organisation membership UUIDs on your learner records.

Terminology

Organisation membership	<p>The record that represents a learner that is visible to your organisation in Learning Manager.</p> <p>Generally speaking this record maps to a learner record in your database.</p>
External learner ID	<p>The unique identifier that the client assigned to the learner when they were first to FutureLearn (e.g. via LTI launch).</p> <p>This will be an email address for learners who have been invited via course invitations or shared invitation links.</p>

Flow

In these examples, {JWT-Token} represents the bearer token for the request¹.

1. Make an API call to get basic information about all the reportable course runs for the organisation.

¹ Refer to [Partner API Authentication](#) for information about how the bearer token is generated

Request

GET https://api.futurelearn.com/partners/course_runs
Authorization: Bearer {JWT-token}

Response

HTTP/1.1 200 OK

```
[
  {
    "uuid": "1bfd5cac-b0d7-4ca1-accd-fa733ad37827",
    "href": "http://api.futurelearn.test:3000/partners/course_runs/1bfd5cac...",
    "slug": "inside-stemology",
    "title": "Inside Stemology: a Basic Introduction",
    "full_code": null,
    "code": null,
    "start_time": null,
    "end_time": null,
    "weeks_count": 3,
    "introduction": "Welcome to inside stem...",
    "course": {
      "uuid": "86177ffe-b5ee-4df3-b93a-5493894ae650",
      "href": "http://api.futurelearn.test:3000/partners/courses/86177ffe..."
    },
    "status": "open_for_enrolment"
  },
  {
    "uuid": "2cbbb6c6-dff3-4a43-9e74-471314f16b6c",
    "href": "http://api.futurelearn.test:3000/partners/course_runs/2cbbb6c6...",
    "slug": "invite-only-a-very-exclusive-course",
    "title": "Invite Only: A very exclusive course",
    "full_code": null,
    "code": null,
    "start_time": null,
    "end_time": null,
    "weeks_count": 0,
    "introduction": "Welcome to invite only...",
    "course": {
      "uuid": "57ba027b-2f2f-4f28-8c79-5342ded04e32",
      "href": "http://api.futurelearn.test:3000/partners/courses/57ba027b..."
    }
  },
  {
    "status": "unpublished"
  },
  {
    "uuid": "7a9a248a-d455-477d-8c6f-3aaf0521cb67",
    "href": "http://api.futurelearn.test:3000/partners/course_runs/7a9a248a...",
    "slug": "welcome-to-futurelearn",
    "title": "Welcome to FutureLearn",
    "full_code": null,
    "code": null,
    "start_time": "2018-01-29T00:00:00.000Z",
    "end_time": "2018-12-31T23:59:59.999Z",
    "weeks_count": 4,
    "introduction": "Welcome to FutureLearn...",
    "course": {
      "uuid": "67a5bbda-a26f-4d78-9021-de83bc259971",
      "href": "http://api.futurelearn.test:3000/partners/courses/67a5bbda..."
    }
  },
  {
  },

```

```
"status": "past"  
},  
]
```

2. Based on the course UUID and start time returned for each run, you can decide which of the reportable runs you need to fetch updated progress data for (for example, you may only be interested in fetching progress data for course runs that finished recently or are currently active).
3. Make an API call to get the learner progress data for each applicable run.

Request

```
GET  
https://api.futurelearn.com/partners/course_runs/7a9a248a-d455-477d-8c6f-3aaf0521cb67/course_  
enrolments_report  
Authorization: Bearer {JWT-token}
```

Response

HTTP/1.1 200 OK

```
[
  {
    "run": {
      "uuid": "4ea29656-77fe-49a2-84b9-72d84d1fdb67",
      "href": "https://api.futurelearn.com/partners/course_runs/4ea29..."
    },
    "organisation_membership": {
      "uuid": "ef508ec7-c0cb-4164-bd17-c2efa92bffee", "href":
"https://api.futurelearn.com/partners/organisation_memberships/ef508..."
    },
    "status": "active",
    "activated_at": "2020-07-27T00:12:32Z",
    "deactivated_at": null,
    "last_visited_step_at": "2020-12-27T00:12:32Z",
    "all_steps_completed_at": "2020-11-13T11:25:55.000Z",
    "steps_completed_count": 25,
    "steps_completed_ratio": 0.390625,
    "last_commented_at": null,
    "comment_count": 0
  },
  {
    "run": {
      "uuid": "4ea29656-77fe-49a2-84b9-72d84d1fdb67",
      "href": "https://api.futurelearn.com/partners/course_runs/4ea29..."
    },
    "organisation_membership": {
      "uuid": "ef508ec7-c0cb-4164-bd17-c2efa92bffee",
      "href":
"https://api.futurelearn.com/partners/organisation_memberships/ef508..."
    },
    "status": "deactivated",
    "activated_at": "2020-08-03T16:12:54Z",
    "deactivated_at": "2020-08-03T16:25:05Z",
    "last_visited_step_at": "2020-08-28T16:20:39.000Z",
    "all_steps_completed_at": "2020-06-01T12:50:05.000Z",
    "steps_completed_count": 2,
    "steps_completed_ratio": 0.03125,
    "last_commented_at": "2020-08-28T16:20:39.000Z",
    "comment_count": 32
  },
  ...
]
```

4. The organisation membership UUID on each enrolment is what identifies the learner. If you receive an organisation membership UUID that you don't recognise, you can make a further API call to get the external learner ID that was originally used to invite the learner.

Pagination data in header

The api allows for results to be returned paginated from the /course_enrolments_report endpoint when a page parameter is passed to the request. This will reduce the amount of data you receive per request.

This details:

- Current-Page
- Page-Items
- Total-Pages
- Total-Count

Request

GET

https://api.futurelearn.com/partners/course_runs/7a9a248a-d455-477d-8c6f-3aaf0521cb67/course_enrolments_report?page=2

Authorization: Bearer {JWT-token}

Response

HTTP/1.1 200 OK

Link:

<http://api.futurelearn.test:3000/partners/course_runs/90e03b2b-38a7-465d-8e9e-e5434c63ba19/course_enrolments_report?page=1>; rel="first",
<http://api.futurelearn.test:3000/partners/course_runs/90e03b2b-38a7-465d-8e9e-e5434c63ba19/course_enrolments_report?page=1>; rel="prev",
<http://api.futurelearn.test:3000/partners/course_runs/90e03b2b-38a7-465d-8e9e-e5434c63ba19/course_enrolments_report?page=3>; rel="next",
<http://api.futurelearn.test:3000/partners/course_runs/90e03b2b-38a7-465d-8e9e-e5434c63ba19/course_enrolments_report?page=14>; rel="last"

Current-Page: 2

Page-Items: 10

Total-Pages: 14

Total-Count: 140

Content-Type: application/json

Cache-Control: no-cache

X-Request-Id: 3e0fc484-c86e-429d-8186-f666b3ec1d12

X-Runtime: 2.350956

Transfer-Encoding: chunked

Request

GET

https://api.futurelearn.com/partners/organisation_memberships/ef508ec7-c0cb-4164-bd17-c2efa92bffee

Authorization: Bearer {JWT-token}

Response

HTTP/1.1 200 OK

```
{
  "uuid": "ef508ec7-c0cb-4164-bd17-c2efa92bffee",
  "href": "https://api.futurelearn.com/partners/organisation_memberships/ef508...",
  "learner": {
    "uuid": "1e010137-c843-4757-beb6-a0c220bb44de",
    "href": "http://api.futurelearn.test:3000/partners/learners/1e010137..."
  },
  "external_learner_id": "AB1234"
}
```

5. Store the organisation membership UUID against your own learner record for future use.