

# API v2

## Overview

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>        | API - version 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b> | <ul style="list-style-type: none"><li>• This API allows users to authorize third-party applications to access the user's resources in dmp_core.</li><li>• This API complies with the RDA-DMP-Common-Standard:<ul style="list-style-type: none"><li>◦ <a href="https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/blob/master/examples/JSON/JSON-schema/1.0/maDMP-schema-1.0.json">https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/blob/master/examples/JSON/JSON-schema/1.0/maDMP-schema-1.0.json</a></li></ul></li></ul> <p>(This is a metadata standard for data management plans that was established by the Research Data Alliance: <a href="https://www.rd-alliance.org/groups/dmp-common-standards-wg/">https://www.rd-alliance.org/groups/dmp-common-standards-wg/</a>)</p> |
| <b>Version</b>     | v2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Registering a client application in the system

Typically, the representatives of a third-party application will approach and ask to register their application in the system. And with their application registered, a user who has an account in both systems will be able to pull their resources from DMPRoadmap into the third-party application.

To register a third-party application, a super-admin, needs go to <https://dmp-core.dcc.ac.uk/oauth/applications>, where he/she will find the option to register an application.

# Pagination

The API requests that return lists are paginated.

The maximum number of items in a page is 100. Thus, the pagination parameters are the following:

| Name     | Description                                      | Example      |
|----------|--------------------------------------------------|--------------|
| page     | Sets the page number.                            | page=3       |
| per_page | Sets the number of items per page (maximum 100). | per_page=100 |

## Endpoints

### Heartbeat

This endpoint does not require any authentication to make requests to as its sole purpose is to confirm to prospective clients that the API is up and running.

GET /api/v2/heartbeat

| Method | Path              | Description                                          |
|--------|-------------------|------------------------------------------------------|
| GET    | /api/v2/heartbeat | Returns confirmation that the API is up and running. |

### Parameters

None

### Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

### Example value

```
{
  "application": "DMPRoadmap",
  "source": "GET /api/v2/heartbeat",
  "time": "2020-02-13T19:47:04-07:00",
  "caller": "::1",
  "code": 200,
  "message": "OK",
  "total_items": 0,
  "items": []
}
```

## Me

GET /api/v2/me

| Method | Path       | Description                                                                      |
|--------|------------|----------------------------------------------------------------------------------|
| GET    | /api/v2/me | Returns the profile info of the resource owner associated with the access token. |

### Parameters

None

### Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

### Example value

```
{
  "id":106417,
  "firstname":"FIRST_NAME",
  "surname":"SURNAME",
  "email":"name@example.com",
  "created_at":"2023-01-04T22:00:32.697Z",
  "updated_at":"2024-08-14T08:43:13.829Z",
  "other_organisation":null,
  "accept_terms":true,
  "org_id":111111111,
  "api_token":"XXXXXXXXXXXXXXXXXXXX",
  "language_id":1,
  "recovery_email":null,
  "active":true,
  "department_id":null,
  "last_api_access":"2024-01-18T21:30:03.938Z",
  "prefs":null
}
```

## Plans

We have updated the design of the `/api/v2/plans` endpoint, which only supports the Authorization Code Grant (ACG) flow at the time of writing (2025-01-30), so that it is only the plans that the user has an active role with (see this page for details of roles: <https://www.wiki.ed.ac.uk/display/DDDMPO/Important+tables>) that are returned.

However, we are working on a new feature such that a user will have to verify that they are a member of an organisation (using SSO) before they can switch to the organisation in DMPonline. Once this new feature is in place, we can update the `/api/v2/plans` endpoint so that the plans shared with the user's organisation in DMPonline are also returned in the response.

In addition, we will also be developing support for the Client Credentials (CC) flow in the v2 API. That flow will be for organisational admins (whereas the ACG flow is for standard users) and so we will ensure that org-admins will be able to retrieve their own plans (i.e. plans they have an active role with) as well as the plans of their organisation in DMPonline.

GET /api/v2/plans

| Method | Path          | Description                                              |
|--------|---------------|----------------------------------------------------------|
| GET    | /api/v2/plans | Returns the plans that the resource owner has access to. |

## Parameters

(The idea is to have a flag titled something like `questions_and_answers=true`, which defaults to false and thereby is compliant with the RDA metadata standard, but can be passed in with a value of true to include the questions and answers of the plan.)

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Example value

```
{
  "application": "DMPRoadmap",
  "source": "GET /api/v2/plans",
  "time": "2020-06-11T15:32:04-07:00",
  "caller": "User/ApiClient name",
  "code": 200,
  "message": "OK",
  "page": 1,
  "per_page": 20,
  "total_items": 248,
  "next": "/api/v2/plans?page=2&per_page=20",
  "items": [
    {
      "dmp": {
        "schema": "https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/tree/master/examples/JSON/JSON-schema/1.0",
        "title": "USGS CDR/ECV DMP",
```



## Example value

```
{
  "application": "DMPRoadmap",
  "source": "GET /api/v2/plans/123",
  "time": "2020-02-07 14:04:01 UTC",
  "caller": "User/ApiClient name",
  "code": 200,
  "message": "OK",
  "total_items": 1,
  "items": [{
    "dmp": {
      "schema": "https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/tree/master/examples/JSON/JSSON-schema/1.0",
      "title": "Examination of some interesting topics in biochemistry",
      "language": "eng",
      "created": "2019-08-19T15:45:07Z",
      "modified": "2020-04-24T22:28:22Z",
      "ethical_issues_exist": "unknown",
      "dmp_id": {
        "type": "url",
        "identifier": "http://localhost:3000/api/v2/plans/123"
      },
      "contact": {
        "name": "Jane Doe",
        "mbox": "jane.doe@example.edu",
        "affiliation": {
          "name": "Example University",
          "abbreviation": "EU",
          "affiliation_id": {
            "type": "ror",
            "identifier": "https://ror.org/124abc0000a"
          }
        }
      },
      "contact_id": {
        "type": "orcid",
        "identifier": "0000-0000-0000-0000"
      }
    },
    "contributor": [
      {
        "name": "John Smith",
        "mbox": "john.smith@un.edu",
        "role": [
          "https://dictionary.casrai.org/Contributor_Roles/Data_curation",
          "https://dictionary.casrai.org/Contributor_Roles/Investigation"
        ],
        "affiliation": {
          "name": "University of Nowhere",
          "abbreviation": "UofN",
          "affiliation_id": {
            "type": "ror",
            "identifier": "https://ror.org/123abc45y"
          }
        }
      }
    ],
    "contributor_id": {
      "type": "orcid",

```

```

        "identifier": "https://orcid.org/0000-0000-0000-0000"
    }
  },
  "project": [
    {
      "title": "Examination of some interesting topics in biochemistry"
    }
  ],
  "dataset": [
    {
      "title": "DMP Dataset",
      "personal_data": "unknown",
      "sensitive_data": "unknown",
      "dataset_id": {
        "type": "url",
        "identifier": "http://localhost:3000/api/v2/plans/123"
      },
      "distribution": [
        {
          "title": "PDF - Testing our maDMP JSON export",
          "data_access": "open",
          "download_url": "http://localhost:3000/plans/123/export.pdf",
          "format": ["application/pdf"]
        }
      ]
    }
  ],
  "extension": [
    {
      "dmproadmap": {
        "template": {
          "id": 437,
          "title": "EF - Biochemistry"
        }
      }
    }
  ]
}

```

## POST /api/v2/plans

| Method | Path          | Description                                                           |
|--------|---------------|-----------------------------------------------------------------------|
| POST   | /api/v2/plans | Creates a plan with the details specified in the body of the request. |

## Parameters



None

## Body

### Example of minimum body required

```
{
  "total_items": 1,
  "items": [{
    "dmp": {
      "title": "Examination of some interesting topics in biochemistry",
      "contact": {
        "mbox": "jane.doe@example.edu"
      }
    }
  ]
}
```

### Example of body with more data

```
{
  "total_items": 1,
  "items": [{
    "dmp": {
      "title": "Examination of some interesting topics in biochemistry",
      "contact": {
        "name": "Jane Doe",
        "mbox": "jane.doe@example.edu",
        "affiliation": {
          "name": "Example University"
        }
      },
      "contact_id": {
        "type": "orcid",
        "identifier": "0000-0000-0000-0000"
      }
    },
    "contributor": [
      {
        "name": "John Smith",
        "mbox": "john.smith@un.edu",
        "role": [
          "https://dictionary.casrai.org/Contributor_Roles/Data_curation",
          "https://dictionary.casrai.org/Contributor_Roles/Investigation"
        ],
        "affiliation": {
          "name": "University of Nowhere",
          "affiliation_id": {
            "type": "ror",
            "identifier": "https://ror.org/123abc45y"
          }
        }
      },
      {
        "contributor_id": {
          "type": "orcid",
          "identifier": "https://orcid.org/0000-0000-0000-0000"
        }
      }
    ]
  }
}
```

```
}
],
"extension": [
  {
    "dmproadmap": {
      "template": {
        "id": 3
      }
    }
  }
]
}
}]
}
```

## Responses

| Code | Description |
|------|-------------|
| 201  | Created     |

### Example value

```
{
  "application": "DMPRoadmap",
  "source": "POST /api/v1/plans/",
  "time": "2020-02-07T14:04:01-07:00",
  "caller": "User/ApiClient name",
  "code": 201,
  "message": "CREATED",
  "total_items": 0,
  "items": [{
    "dmp": "<< See an example of the full DMP JSON below in the 'Retrieve a Plan' section >>"
  }],
  "errors": [],
}
```

# Templates

## GET /api/v2/templates

| Method | Path              | Description                                                                              |
|--------|-------------------|------------------------------------------------------------------------------------------|
| GET    | /api/v2/templates | Returns a list of all templates accessible by the resource owner sorted by organisation. |

## Parameters

None

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Example value

```
{
  "application": "DMPRoadmap",
  "source": "GET /api/v2/templates",
  "time": "2020-05-13T22:23:29-07:00",
  "caller": "your User/ApiClient name",
  "code": 200,
  "message": "OK",
  "page": 1,
  "per_page": 20,
  "total_items": 38,
  "next": "/api/v2/templates?page=2&per_page=20",
  "items": [
    {
      "dmp_template": {
        "title": "EF - Biochemistry",
        "description": "A biochemistry template for the Example Funder",
        "version": 3,
        "created": "2018-02-13T07:18:08Z",
        "modified": "2018-04-18T18:18:36Z",
        "affiliation": {
          "name": "Example Funder",
          "abbreviation": "EF",
          "affiliation_id": {
            "type": "ror",
            "identifier": "https://ror.org/000aaa0000"
          }
        }
      },
      "template_id": {
        "type": "dmproadmap",
        "identifier": "437"
      }
    }
  ]
}
```

# Guidances

GET /api/v2/guidances

| Method | Path              | Description                                                                                |
|--------|-------------------|--------------------------------------------------------------------------------------------|
| GET    | /api/v2/guidances | Returns a list of all guidances for the org-admin's organisation sorted by guidance group. |

## Parameters

None

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Schema

```
{
  "guidance_groups": [
    {
      "name": <string>,
      "id": <integer>,
      "optional": <boolean>,
      "updated": <datetime>,
      "guidances": [
        {
          "text": <string>,
          "updated": <datetime>,
          "themes": [
            {
              "title": <string>
            },
            {...}
          ]
        },
        {...}
      ]
    },
    {...}
  ]
}
```

# Departments

GET /api/v2/departments

| Method | Path                | Description                                                   |
|--------|---------------------|---------------------------------------------------------------|
| GET    | /api/v2/departments | Returns a list of the org-admin's organisation's departments. |

## Parameters

None

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Schema

```
[
  {
    "code": <string>,
    "name": <string>,
    "id": <integer>
  }
]
```

GET /api/v2/departments/users

| Method | Path                      | Description                                                           |
|--------|---------------------------|-----------------------------------------------------------------------|
| GET    | /api/v2/departments/users | Returns a list of the org-admin's organisation's users by department. |

## Parameters

None

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Schema

```
[
  {
    "code": <string>,
    "name": <string>,
    "id": <integer>,
    "users": [
      {
        "email": <string>
      }
    ]
  },
  {
    "code": null,
    "name": null,
    "id": null,
    "users": [
      {
        "email": <string>
      }
    ]
  }
]
```

PATCH /api/v2/departments/:id/assign\_users

| Method | Path                                 | Description                                              |
|--------|--------------------------------------|----------------------------------------------------------|
| PATCH  | /api/v2/departments/:id/assign_users | Assigns the specified users to the specified department. |

## Parameters

None

## Body

### Schema

```
{
  "users" : [
    <string>,
    <string>
  ]
}
```

PATCH /api/v2/departments/:id/unassign\_users

| Method | Path                                   | Description                                                   |
|--------|----------------------------------------|---------------------------------------------------------------|
| PATCH  | /api/v2/departments/:id/unassign_users | Unassigns the specified users from the specified departments. |

## Parameters

None

## Body

### Schema

```
{
  "users" : [
    <string>,
    <string>
  ]
}
```

## Statistics

GET /api/v2/statistics/using\_template

| Method | Path | Description |
|--------|------|-------------|
|--------|------|-------------|

|     |                                   |                                                                                                                           |
|-----|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| GET | /api/v2/statistics/using_template | Returns the number of plans created, by any user of the tool, based on templates created by the org-admin's organisation. |
|-----|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|

## Parameters

| Name       | Description                                              | Example               |
|------------|----------------------------------------------------------|-----------------------|
| start_date | Filters for users that joined after the specified date.  | start_date=2017-04-01 |
| end_date   | Filters for users that joined before the specified date. | end_date=2018-04-01   |

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

### Schema

```
{
  "templates": [
    {
      "template_name": <string>
      "template_id": <integer>
      "template_uses": <integer>
    },
    {...}
  ]
}
```

GET /api/v2/statistics/plans\_by\_template

| Method | Path | Description |
|--------|------|-------------|
|--------|------|-------------|



|     |                                      |                                                                                                     |
|-----|--------------------------------------|-----------------------------------------------------------------------------------------------------|
| GET | /api/v2/statistics/plans_by_template | Returns the number of plans created, by users of the org-admin's organisation, ordered by template. |
|-----|--------------------------------------|-----------------------------------------------------------------------------------------------------|

## Parameters

| Name       | Description                                              | Example               |
|------------|----------------------------------------------------------|-----------------------|
| start_date | Filters for users that joined after the specified date.  | start_date=2017-04-01 |
| end_date   | Filters for users that joined before the specified date. | end_date=2018-04-01   |

## Responses

| Code | Description |
|------|-------------|
| 200  | OK          |

## Schema

```
{
  "templates": [
    {
      "template_name": <string>
      "template_id": <integer>
      "template_uses": <integer>
    },
    {...}
  ]
}
```

GET /api/v2/statistics/plans

| Method | Path | Description |
|--------|------|-------------|
|--------|------|-------------|

|     |                          |                                                                                                 |
|-----|--------------------------|-------------------------------------------------------------------------------------------------|
| GET | /api/v2/statistics/plans | Returns generic metadata about all plan created by all users from the org-admin's organisation. |
|-----|--------------------------|-------------------------------------------------------------------------------------------------|

## Parameters

| Name       | Description                                              | Example               |
|------------|----------------------------------------------------------|-----------------------|
| start_date | Filters for users that joined after the specified date.  | start_date=2017-04-01 |
| end_date   | Filters for users that joined before the specified date. | end_date=2018-04-01   |