

# Fetching available service providers via the API

The API provides a mechanism to request a list of service providers for a given user account. This gives a *non-definitive* list of services that may be used by a portal-type application to enables users to access services. Ultimately the authorisation to a given service is determined by the service provider, hence the non-definitive nature of this list.

## Prerequisites

To fetch the service providers available to an account, a client application must

- authenticate to the API as described in [Authenticating to the API](#).
- query for an account or follow an account link from another API object, or as the result of creating a new account.

## Procedure

Follow the link from an account with a `application/vnd.eduserv.iam.serviceList-v1+json` object by performing a GET request to the following URL:

```
/api/v1/example.org/account/<id>/services
```

Where id is the value of the id field for the account object.

## Response codes

HTTP Response Code	Description
200	The request was successful.
404	The account does not exist.
403	The requester does not have permission to perform this operation.

## Response payload

The response is an `application/vnd.eduserv.iam.serviceList-v1+json` object. The service list resource also provides an [Atom 1.0](#) representation with a media type of `application/atom+xml`.

## application/vnd.eduserv.iam.serviceList-v1+json object

Object field	Description
services	An array of objects containing a service. Each service has the following fields: <ul style="list-style-type: none"><li>• id</li><li>• title</li><li>• link</li><li>• description</li><li>• tags</li></ul>

## Example

```
Request:
GET /api/v1/example.org/account/1234567/services HTTP/1.1
Authorization: OAApiKey <api-key>
Response:
HTTP/1.1 200 OK
Content-Type: application/vnd.eduserv.iam.serviceList-v1+json
```

```
{
  "services" : [
    {
      "id" : "http://service.com/id1",
      "title" : "Service number one",
      "description" : "Amazing service number one",
      "link" : "http://example.com/one",
      "tags" : ["tag1", "tag2"],
    },
    {
      "id" : "http://service.com/id2",
      "title" : "Service number two",
      "description" : "Incredible service number two",
      "link" : "http://example.com/two",
      "tags" : ["tag3", "tag4"],
    }
  ]
}
```

See also:

- [API overview](#)
- [Authenticating to the API](#)
- [API entry-point](#)
- [Fetching attribute schemas via the API](#)
- [Fetching organisations via the API](#)
- [Fetching Groups via the API](#)
- [Account management via the API](#)
- [API bulk operations](#)
- [Fetching available service providers via the API](#)
- [Generating authentication tokens for end-users via the API](#)
- [API usage examples](#)