

P20 UID Generator Service

Identity Governance Service

Release 1.0.0

P20 UID Generator Service

Copyright © 2022, 2023 Oracle Consulting Services

Publication date 2023-06-27

by Sophie Strecke, Dieter Steding, and Sylvert Bernet

Program	Polizei 20/20
Program Director	Holger Gadorosi
Project Manager	Norbert Linde
Document Titel	P20 UID Generator Service
Version	1.2
Creation Date	2022-06-08
Created By	Dieter Steding
Latest Update	2023-06-27
Latest Update By	Dieter Steding

Revision History			
Revision	Date	Author	Reference
1.0	2022-08-29	Dieter Steding	No previous document
1.1	2023-05-16	Dieter Steding	Resource descriptions completed
1.2	2023-06-27	Dieter Steding	Enhanced tenant protection capabilities

Table of Contents

Preface	1
Purpose of this document	1
Notational Conventions	1
Typographical Conventions	1
Symbol Conventions	1
What is New	2
Software Updates	2
Documentation Updates	2
Documentation Updates in Version 1.2	2
Documentation Updates in Version 1.1	2
Introduction	4
Reference Architecture	5
Architecture Components	5
Authentication for the REST API	6
Authorize a request	6
Obtaining a Token	7
Request Parameter	7
Response Parameter	7
Overview of the Resources	9
HTTP Verbs	9
REST Resources	9
REST Endpoints	10
HTTP Codes	11
Date Format	12
Error Format	13
Data Format	14
Sorting	14
Pagination	15
Filtering	16
Attribute Operators	17
Logical Operators	17
Grouping Operators	17
Path parameters	18
Resource Unique Identifier	19
Search for Unique Identifiers	19
Request	19
Response	21
Lookup an Unique Identifier	22
Request	23
Response	23
Generate an Unique Identifier	25
Request	25
Response	26
Register an Unique Identifier	27
Request	27
Response	28

Delete an Unique Identifier	30
Request	30
Response	30
Resource Participant Type	32
Search for Participant Types	32
Request	32
Response	34
Lookup a Participant Types	36
Request	36
Response	37
Create a Participant Type	38
Request	38
Response	39
Modify a Participant Type	40
Request	40
Response	41
Delete a Participant Type	43
Request	43
Response	43
Resource Country Mappings	45
Search for Countries	45
Request	45
Response	47
Lookup a Country	48
Request	48
Response	49
Create a Country	50
Request	50
Response	52
Modify a Country	53
Request	53
Response	54
Delete a Country	55
Request	55
Response	56
Resource States	57
Search for States	57
Request	57
Response	59
Lookup a State	60
Request	61
Response	61
Creates a State	63
Request	63
Response	64
Modify a State	65
Request	65
Response	66

Delete a State	67
Request	67
Response	68
Resource Participant	69
Search for Participants	69
Request	69
Response	71
Lookup a Participant	72
Request	73
Response	73
Create a Participant	75
Request	75
Response	76
Modify a Participant	77
Request	77
Response	78
Delete a Participant	79
Request	80
Response	80
Resource Account Type	82
Search for Account Types	82
Request	82
Response	84
Lookup an Account Type	85
Request	86
Response	86
Create an Account Type	88
Request	88
Response	89
Modify an Account Type	90
Request	90
Response	91
Delete an Account Type	92
Request	93
Response	93
Appendix	95
Glossar	95
Permissible values per P20-UID-Segment	96
1 st segment (category partner type / participant type)	96
2 nd segment (category country)	97
3 rd segment (category state)	97
4 th segment (category partner id / participant id)	98
5 th segment (category account type)	98

Preface

Purpose of this document

This document describes the usage of the UID-Generator's provided service interfaces and is intended for resource administrators and system integration teams.

Notational Conventions

The key words **MUST**, **MUST NOT**, **REQUIRED**, **SHALL**, **SHALL NOT**, **SHOULD**, **SHOULD NOT**, **RECOMMENDED**, **MAY**, and **OPTIONAL** in this document are to be interpreted as described in [\[RFC2119\]](#) These key words are capitalized when used to unambiguously specify requirements of the protocol or application features and behavior that affect the interoperability and security of implementations. When these words are not capitalized, they are meant in their natural-language sense.

Typographical Conventions

The following table describes the typographic changes that are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Symbol Conventions

The following table explains symbols that might be used in this document.

Convention	Meaning
[]	Contains optional arguments and command options.
{ }	Contains a set of choices for a required command option.
\${ }	Indicates a variable reference.
-	Joins simultaneous multiple keystrokes.
+	Joins consecutive multiple keystrokes.
>	Indicates menu item selection in a graphical user interface.

What is New

This chapter provides an overview of the updates made to the software and documentation for release 1.0.0 the UID Generator.

The updates discussed in this chapter are divided into the following categories:

- [Software Updates](#)
- [Documentation Updates](#)

Software Updates

This is the first release of the UID Generator. Therefore, there are no software updates in this release.

Documentation Updates

The following sections discuss the documentation-specific updates:

- [Documentation Updates in Version 1.2](#)
- [Documentation Updates in Version 1.1](#)

Documentation Updates in Version 1.2

The following documentation-specific update has been made in version "1.2" of release 1.0.0:

- The section [Request](#) for endpoint [Search for Unique Identifiers](#) did not mention correctly the elevated permission required.
- The section [Request](#) for endpoint [Lookup an Unique Identifier](#) did not mention correctly the elevated permission required.
- The section [Request](#) for endpoint [Generate an Unique Identifier](#) did not mention that the user has to be member of the tenant derived from the UID.
- The section [Request](#) for endpoint [Register an Unique Identifier](#) did not mention that the user has to be member of the tenant derived from the UID.
- The section [Request](#) for endpoint [Delete an Unique Identifier](#) did not mention that the user has to be member of the tenant derived from the UID.

Documentation Updates in Version 1.1

The following documentation-specific update has been made in version "1.1" of release 1.0.0:

- The section *Possible Errors* for most endpoints did not mention Status Code 400.
- The section [Query Parameter](#) for endpoint [Generate an Unique Identifier](#) did not describe the applicable query parameter.
- The section [Request](#) for endpoint [Generate an Unique Identifier](#) did not provide the correct example and description of the returned resource.
- The section [Query Parameter](#) for endpoint [Register an Unique Identifier](#) did not describe the applicable query parameter.
- The section [Request](#) for endpoint [Register an Unique Identifier](#) did not provide an example and description of the returned resource.

- The section [Resource](#) for endpoint [Search a Participant](#) did not contain an example of returned result set.
- The section [Resource](#) for endpoint [Search a Participant](#) did not contain description of attribute set.
- The section [Metadata](#) for endpoint [Modify an Account Type](#) was missing.

Introduction

For access to resources (applications, data) made available by the Police 20/20 program, the enhancement of the existing user IDs intended for this purpose with an additional P20/20 ID (hereinafter referred to as P20-UID) is described according to a uniform logic.

This "*Unique Identifier*" (the P20-UID) is mapped in the Police Information Model (IMP). It is to be transmitted in the communication between the countries, the PSP / the Data Lake via the P20/20 interfaces. The P20-UID clearly identifies the responsible person for a query or a data change across all services. The P20-UID does not contain any personally identifiable data. An assignment to the person can only be made with the participation of the participant.

The P20-UID is used for identification as well as for technical/data protection logging. Among other things, the country of origin, the (INPOL) participant or partner institutions that access P20/20 services should be directly derivable from it.

This document describes the generator's centrally provided administration and its exposed interfaces.

Reference Architecture

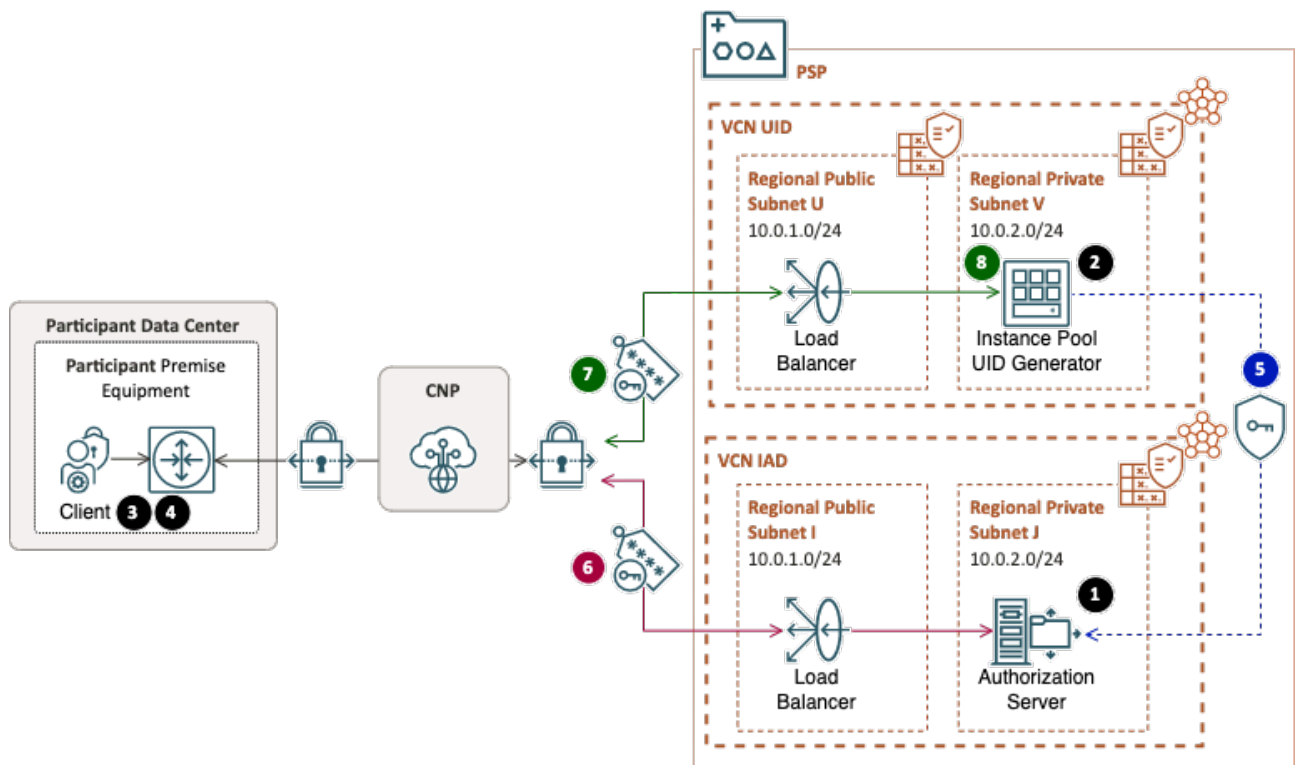
The reference architecture illustrates the architecture components provisioned on the PSP for the UID generator.

Within the PSP VCN's there exist two types of subnets:

- public (Public Subnet)
- private (Subnet and Data Subnet)

Resources deployed into the public subnets will receive a public IP address and will be publicly visible on the CNP. The Load Balancers upstream of the service instances are deployed here.

Resources deployed into the private subnets receive only a private IP address and hence are not publicly visible on the CNP, improving the security of those resources. The service instances are deployed in private subnets.



Architecture Components

#	Component	Description
1	Authorization Server	This is the server that presents the interface where the user approves or denies the request for authentication. In smaller implementations, this may be the same server as the API server, but larger scale deployments will often build this as a separate component.
2	Resource Server	The resource server is the API server used to access the information provided by the resources.

#	Component	Description
3	Client	<p>The client is the application that is attempting to get access to the user's account. It needs to get permission from the user before it can do so.</p> <p>A "<i>Confidential Client</i>" is an application that obtains credentials from the authorization server and in turn uses them to authenticate itself to the authorization server when, for example, it requests access tokens. The credential can be a simple client secret or a more secure option such as a private key used to sign a JWT.</p> <p>The benefit of using any form of client authentication is that the authorization server knows that any requests made with those credentials are from a legitimate client, and thus client impersonation is not possible.</p>
4	Resource Owner	The resource owner is the person who grants access to part of their user account.
5	Trust	A trust for the resource server to the authorization server is configured via key exchange.

Authentication for the REST API

All Requests to resources in the REST API **MUST** be made on behalf of a resource owner. Before a request is processed, the authorization server authenticates the request to determine the resource owner. The authorization server uses the OAuth 2.0 protocol for this purpose, and the process is based on access tokens as described below.

7 All REST API calls **MUST** be authorized. Instead of passing the full credentials on every REST API call, REST uses an access token. The access token is valid for a configurable amount of time and acts like a temporary password.

8 After successful authorization, a permission check decides whether the resource owner is allowed to perform the requested action. This check uses the existing permissions granted to the resource owner.

Authorize a request

You **MUST** authorize your request by sending an access token in the `Authorization` header of your request. In the following example, replace `<your-token>` with a reference to your access token:

Example

```
curl --request GET \
  --url "https://<service-host>:<service-port>/igs/uid/v1" \
  --header "Authorization: Bearer <your-token>"
```

Note

In most cases, you can use `Authorization: Bearer` or `Authorization: token` to pass an access token. However, if you are passing a JSON web token (JWT), you **MUST** use `Authorization: Bearer`.

If you try to use a REST resource without an access token or with an access token that has insufficient permissions, you will receive a 401 `Unauthorized` or 403 `Forbidden` response.

Obtaining a Token

The authentication process is based on the [Resource Owner Password Credentials](#) flow.

The [Resource Owner Password Credentials](#) flow requires a client to know the resource owner credentials. To exchange the username and password for an access token, send an HTTPS POST request with the appropriate parameters to access token endpoint base URI of the Authorization Server. The http connections are not accepted; use https.

The flow implemented relies on a "*Confidential Client*" hence it requires a `client_id` **AND** a `client_secret`. Even though the `client_id` is public, it's best that it isn't guessable by third parties, so many implementations use something like a 32-character hex string. The `client_secret` is obviously the application's own password. It must be sufficiently random to not be guessable, which means it should be avoid using common UUID libraries which often take into account the timestamp or MAC address of the server generating it.

Request Parameter

Parameter	Required	Description
<code>client_id</code>	yes	The public identifier of an application obtained at client time.
<code>client_secret</code>	yes	A secret known only to the application and the authorization server.
<code>grant_type</code>	yes	Specify <code>password</code> as the value for this parameter.
<code>username</code>	yes	The login name of the user account to use.
<code>password</code>	yes	The password for the user account to use.

Response Parameter

Parameter	Description
<code>access_token</code>	The OAuth 2.0 access token.
<code>token_type</code>	The type of access token returned. At this time, this is always <code>Bearer</code> .
<code>expires_in</code>	The remaining lifetime of an access token.

Parameter	Description
refresh_token	The refresh token is returned if a client application is registered for it. This token can be used to refresh the access token when it expires.



Note

If validation fails, HTTP status 400 is returned with a JSON response containing `error` and `error_description` elements.

Example Request

The following is an example of an access token request with whitespaces been preserved for readability.

```
curl --location 'https://<authorization-host>:<authorization-port>/oauth2/rest/token' \
--header 'Accept: application/json' \
--header 'x-oauth-identity-domain-name: SecureDomain2' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--header 'Authorization: Basic YmI3NzViMTItYmJkNC00MjNiLTgzZD...' \
--data-urlencode 'grant_type=password' \
--data-urlencode 'username=user1' \
--data-urlencode 'pass@123'
```



Identity Domain

For security reasons the authorization server is segmented in identity domains.

The request header `x-oauth-identity-domain-name` is required if the client is not registered in the default identity domain.

Example Response

A response retrieved from the authorization server looks like:

```
{ "access_token": "eyJraWQiOiJTZW5lcmVEb2lhaW4yIiwieDV0IjoisSjFsVmdQ..."
, "token_type": "Bearer"
, "expires_in": 7200
, "refresh_token": "LnE8w3KlOu5SN%2B0LEfVicg%3D%3D%7EUGKP%2BRWrPO..."
}
```

Overview of the Resources

This chapter will help you familiarize with UID Generator REST resources. This will enable you to quickly find the information you need and complete the required tasks easily.

The UID Generator REST resources provide functionality for the majority of management tasks. The UID Generator REST resources are accesible after autentication only (See [Authentication for the REST API](#)).

As far as REST API design is concerned:

- HTTP has verbs (actions or methods): GET, POST, PUT, PATCH and DELETE are most common.
- REST is **resource-oriented** and a resource is represented by an **URI**.
- An **endpoint** is the combination of a verb and an URI.

HTTP Verbs

As a summary, these are the verbs a REST compliant server implementation (like UID Generator) has:

HTTP Method	Description
GET	Retrieves one or more resources (e.g. UID's/Participants).
POST	Creates new resources, executes searches.
PUT	Modifies resources by adding and replacing attributes.
DELETE	Deletes a resource

REST Resources

The following table summarizes the available resources in UID Generator:

Resource	Description
Unique Identifier	The unique identifier resource includes generating, registering and deleting unique identifiers.
Participant Type	The participant type management resource includes searching, creating, updating and deleting of participant types.
Country Mapping	The resource for managing country mappings within the UID generator includes finding, creating, updating, and deleting countries.
State	The state management resource includes searching, creating, updating and deleting of states.
Participant	The participant management resource includes searching, creating, updating and deleting of participants.

Resource	Description
Account Type	The account type management resource includes searching, creating, updating and deleting of account types.

REST Endpoints

The following table summarizes the available endpoints UID Generator provides:

URI	Resource	HTTP Verbs	Description
/uid	Unique Identifier	GET, POST, PUT, DELETE	Search, generate, register and delete unique identifiers.
/participantType	Participant Type	GET, POST, PUT, DELETE	Search, add, modify and delete participant types.
/country	Country Mapping	GET, POST, PUT, DELETE	Search, add, modify and delete countries.
/state	State	GET, POST, PUT, DELETE	Retrieve, add, modify and delete states.
/participant	Participant	GET, POST, PUT, DELETE	Retrieve, add, modify and delete participants.
/type	Account Type	GET, POST, PUT, DELETE	Retrieve, add, modify and delete account types.

Note

Actual resource URIs are prefixed accordingly with the root URL of REST API. As an example, the country's resource URI to use in your applications should be:

`https://<service-host>:<service-port>/igs/uid/v1/country`

Important

All payloads sent to resources using POST or PUT should be supplied using `Content-Type: application/json`, and using UTF-8 encoding. Likewise, output is sent from server in UTF-8.

The UID Generator REST Endpoints doesn't support bulk updates. You can work on only one object per request.

With the UID Generator REST Endpoints you can additionally sort, filter, select specific attributes, limit the number of items, and represent resources in JSON format.

These features are covered in the following sub-topics:

- [HTTP Codes](#)
- [Error Format](#)

- [Data Format](#)
- [Sorting](#)
- [Pagination](#)
- [Filtering](#)
- [Path Parameter](#)

HTTP Codes

The REST standards use HTTP response codes to indicate success or failure of the operations. Appropriate HTTP status codes describing the error and body message are returned for all requests in a JSON format.

The table below contains possible common HTTP status codes.

HTTP Status Code	Description
200 Ok	The request was successful. Depending on the request method, the response contains the requested data.
201 Created	The request resulted in a new resource being successfully created. Their URI can be communicated in the Location response header.
204 No Content	The request has been accepted and processed, but there is no content to send back to the client. In this case, clients should continue to display the old content. For example, a DELETE request.
307 Temporary Redirect	When the client is requested to repeat the same http request at the location identified. The client should not use the location provided in the response as the permanent reference to the resource and should continue to use the original request URI.
308 Permanent Redirect	The requested resource is now available at the address specified in the location header field, the old address is no longer valid. The client should follow using the same method as the original request (i.e. a POST is followed by a POST). The client should use the location provided in the response as the permanent reference to the resource.
400 Bad Request	The client sent an incorrect request that the server cannot understand due to incorrect syntax. For example, validation error, missing data or wrong filter syntax. The client should not retry the request without correcting the erroneous data.
401 Unauthorized	The request cannot be processed without authorization.
403 Forbidden	Access is permanently prohibited. Authorization is not recognized and the client should not make the request again. For example, Delete access without appropriate permissions.

HTTP Status Code	Description
404 Not Found	The server could not find the resource requested by the client. The status code 404 can also be returned if no other status code is applicable or if the client is deliberately to be rejected without giving a more detailed reason.
405 Method Not Allowed	The request method (such as GET or POST) is not allowed. This response can returned, for example, if a method is used without the server being able to use them. The server lists all allowed methods in an <code>Allow</code> header.
406 Not Acceptable	The resource cannot be supplied in a form requested by the client. For example, data with the media type <code>application/xml</code> can be requested, but the server only finds one hit for <code>application/json</code> .
408 Request Time-out	The request was not completed by the client in the time specified by the server. The error can occur, for example, when processing large amounts of data.
409 Conflict	The request cannot be processed because this would result in a conflict with the requested resource. If, for example, a resource is to be changed using the PUT method, but which already has a newer version on the server, the editing would create a conflict.
411 Length Required	Processing the request without a <code>Content-Length</code> header will be rejected by the server.
500 Internal Server Error	The server detects an internal error and therefore cannot process the request. Errors in programs on the server, e.g. in scripts, can provoke this response.
501 Not Implemented	The server does not have the necessary functionality to process the request. This response is appropriate when the HTTP method used in the request is not recognized or supported.
503 Service Unavailable	The service is temporarily unable to service a request. This can happen due to capacity problems or maintenance downtime.

Date Format

Times and dates are expected and returned in [\[ISO 8601\]](#) date format:

```
YYYY-MM-DDTHH:MM:SSZ
```

Instead of 'Z' for UTC time zone you can specify your time zone's locale offset using the following notation:

YYYY-MM-DDTHH:MM:SS+hh:mm

Example for CET (1 hour behind UTC):

2020-03-31T13:00+01:00

Note

In HTTP headers, the appropriate recommended date formats are used instead of ISO 8601.

Error Format

The error response data for any API call can be viewed in JSON format. JSON (JavaScript Object Notation) is a lightweight data-interchange format.

Example of the error response to a GET request for a resource that does not exist:

```
{ "status": 404
, "type": "none"
, "detail": "Resource of type Surrogate with id [T-36-0-30-101-4123459] does not exists."
, "description": "HTTP-404: The requested resource could not be found but may be available in the future. Subsequent requests by the client are permissible."
}
```

Segment	Description
status	The HTTP status code expressed as a JSON string.
type	A detail error keyword.
detail	A detailed human-readable message.
description	A detailed human-readable description.

For HTTP status code 400 `Bad Request` responses, the following detail error types are defined:

Type	Description
invalidFilter	The specified filter syntax was invalid, or the specified attribute and filter comparison combination is not supported.
tooMany	The specified filter returns more results than the server is willing to calculate or process.
uniqueness	One or more of the attribute values are already in use or are reserved.
mutability	The attempted modification is not compatible with the target attributes mutability or current state.
invalidSyntax	The request body message structure was invalid or did not conform to the request schema.

Type	Description
invalidPath	The <code>path</code> attribute was invalid or malformed.
invalidValue	A required value was missing or the value specified was not compatible with the operation or attribute type or resource schema.
noTarget	The specified <code>path</code> did not yield an attribute or attribute value that could be operated on. This occurs when the specified <code>path</code> value contains a filter that yields no match.

Data Format

The input and output response data for any API call can be viewed in JSON format. JSON (JavaScript Object Notation) is a lightweight data-interchange format. To retrieve the response in JSON format, add the `Accept` request header with the `application/json` value.

Example of resource participant in JSON format:

```
[
  {
    "id": "01"
    , "active": true
    , "name": "Polizei Schleswig-Holstein"
    , "meta": {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-04-01T19:00:46"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-04-01T19:00:46"
    }
  }
  , {
    "id": "02"
    , "active": true
    , "name": "Polizei Hamburg"
    , "meta": {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-04-01T19:00:46"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-04-01T19:00:46"
    }
  }
]
```

Sorting

Sorting allows you to specify the order in which the resources are returned, by specifying a combination of `sortBy` and `sortOrder` URL parameters.

Sorting is applied in two conditions:

- When querying a resource using a HTTP GET method.
- When querying a resource using a HTTP POST method to a resource or search.

The value of the sort query parameter is a comma-separated list of sort keys.

Parameter	Description
sortBy	Specifies the attribute whose value is used to order the returned responses. If <code>sortBy</code> attribute corresponds to a singular attribute, resources are sorted according to that attributes value. If it is a multi valued attribute, resources are sorted by the value of the primary value, or else, first value in the list. If the attribute is complex, the attribute name MUST be a path to a sub attribute in standard attribute notation. For example,; <code>sortBy=id</code>
sortOrder	Specifies the order in which the sorting is performed, like in ascending or descending order. For example,; the GET request- <code>GET /igs/uid/participant?sortOrder=descending</code> , sorts the list in descending order of participants.

! Caution

The `sortOrder` parameter works only when `sortBy` parameter is defined.

Pagination

Pagination parameters can be used together to "page through" large numbers of resources so as not to overwhelm the client or service provider.

! Caution

Because pagination is not stateful, clients **MUST** be prepared to handle inconsistent results.

For example, a request for a list of 10 resources beginning with a `startIndex` of 1 **may** return different results when repeated, since resources on the service provider may have changed between requests. Pagination parameters and general behavior are derived from the OpenSearch Protocol.

The following table describes the pagination request parameter, its description and the default value:

Parameter	Default	Description
startIndex	1	Non-negative integer. The 1-based index of the first query result. A value less than 1 is interpreted as 1.
count	None	Non-negative integer. Specifies the desired number of query results per page, example: 10. A value less than 0 is interpreted as 0. A value of 0 indicates that no resource results are to be returned except for total results. When specified, the service provider does not return more results than specified, although it may return fewer results.

Parameter	Default	Description
		If not specified, the maximum of results is set by the service provider.

The following table displays the pagination response elements:

Element	Description
items	Non-negative integer. The number of query results that are returned in a query response page. For example, 10.
start	Non-negative integer. The 1-based index of the first result in the current set of query results. For example: 1
total	Non-negative integer. Specifies the total number of results matching the query. For example, 1000.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participant?startIndex=1&count=10' \
  --header 'Accept: application/json' \
  --header 'Content Type: application/json' \
  --header 'Authorization: Bearer eyJraWQiOiJTZW51cmVEb21haW4yIiwieDV0IjoisSjFs...'
```

The response to the query above returns metadata regarding paging similar to the following example.

```
{ "total": 21
  , "start": 1
  , "items": 10,
  "result": [
    ...
  ]
}
```

Note

In the previous example, to continue paging, set the startIndex to 11 and re-fetch, that is:

```
/igs/uid/v1/participant?startIndex=11&count=10
```

Filtering

Filters provide an additional flexibility to users interacting with large data by narrowing down the result sets.

Attribute names and attribute operators used in filters are case insensitive. For example, the following two expressions will evaluate to the same logical value:

The filter parameter **MUST** contain at least one valid expression. Each expression **MUST** contain an attribute name followed by an attribute operator and optional value. Multiple expressions **MAY** be combined using logical operators. Expressions **MAY** be grouped together using round brackets (and).

The following table shows the filter operators that are supported:

Attribute Operators

Filter	Description
eq	Equal
ne	Not Equal
co	Contains
sw	Starts With
ew	Ends With
gt	Greater Than
ge	Greater Than or Equal To
lt	Less Than
le	Less Than or Equal To

Logical Operators

Filter	Description
and	And
or	Or
not	Not

Grouping Operators

Filter	Description
()	Precedence Grouping

Filters are evaluated in the following order of operations:

1. Grouping Operators
2. Logical Operators
3. Attribute Operators

Path parameters

If an endpoint has path parameters, the documentation displays them with enclosing curly brackets.

Example

```
DELETE /igs/uid/v1/type/{id}
```

The {id} path parameter needs to be replaced with the identifier of the account type in this example. The curly bracket must not be included.

Path parameters that are required to be URL-encoded must be followed. If not, it does not match an API endpoint and responds with a HTTP status code 404.

Resource Unique Identifier

The unique identifier resource includes generating, registering and deleting unique identifiers.



Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for Unique Identifiers](#)
- [Lookup an Unique Identifiers](#)
- [Generate an Unique Identifier](#)
- [Register an Unique Identifier](#)
- [Delete an Unique Identifier](#)

Search for Unique Identifiers

GET /igs/uid/v1/uid

Search unique identifiers based on filter criteria.

Request



Permission

Access to this resource method requires **uid.generate** or **uid.register** elevated permission.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/uid' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
tenant	x	-	-	-	-	-	-	-	-
type	x	x	x	x	x	-	-	-	-
external	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.createdOn	x	-	-	-	-	x	x	x	x
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x



Important

Only exact match is supported for attribute filter criteria tenant.

As an example to get all UID's that belongs to tenant *T-36-0-20* with the account type *101* formulate:

```
filter=tenant eq "T-36-0-20" and type eq "101"
```

Response

The representation of the unique identifiers found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "total": 1
, "start": 1
, "items": 1
, "result": [
  {
    "uid": "T-36-0-30-101-4123458"
    , "state": 1
    , "meta": {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-21T15:54:45"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-21T15:54:45"
    }
  }
]
}
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.

Name	Type	Required	Description
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
uid	string	yes	The unique identifier generated or registered.
state	integer	yes	The current state of the unique identifier.
meta	Metadata object	yes	The audited metadata of the unique identifier.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Error Code	Description
400	The access token is invalid or has been revoked.
401	The access token is invalid or has been revoked.

Lookup an Unique Identifier

GET	/igs/uid/v1/uid/{id}
------------	----------------------

Lookup a certain unique identifiers based on its identifier.

Request

Permission

Access to this resource method requires **uid.generate** or **uid.register** elevated permission.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/uid/T-36-0-30-101-4123459' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the unique identifier found containing the attributes whose returnability is *default*. This can be overridden by supplying **attributes** or **excludedAttributes** query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "uid": "T-36-0-30-101-4123458"
, "state": 1
, "meta":
  {
    "version": "01"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-06-21T15:54:45"
  , "updatedBy": "igssysadm"
  , "updatedOn": "2022-06-21T15:54:45"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The unique identifier generated or registered.
state	integer	yes	The current state of the unique identifier.
meta	Metadata object	yes	The audited metadata of the unique identifier.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The identifier of a unique identifier to search for malformed.
401	The access token is invalid or has been revoked.
403	The id in request path doesn't point to a unique identifier that the user can read.

Status Code	Description
404	The id in request path doesn't point to a unique identifier that exists.

Generate an Unique Identifier

POST /igs/uid/v1/uid

Request

Permission

Access to this resource method requires **uid.generate** elevated permission.

Furthermore, the executing account **MUST** be a member of the tenant for which the unique identifier is generated.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/uid' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{
    "ptt" : "T"
    , "cid" : "36"
    , "sid" : "0"
    , "pts" : "30"
    , "tid" : "101"
    , "eid" : "4123458"
  }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

The input data is in the following form:

Name	Type	Required	Description
ptt	string	yes	The participant type of the identifier to generate.

Name	Type	Required	Description
			Permissible values refer to 1 st segment.
cid	string	yes	The country of the identifier to generate. Permissible values refer to 2 nd segment.
sid	string	yes	The state of the identifier to generate. Permissible values refer to 3 rd segment.
pts	string	yes	The participant of the identifier to generate. Permissible values refer to 4 th segment.
tid	string	yes	The account type of the identifier to generate. Permissible values refer to 5 th segment.
eid	string	no	The external identifier of the identifier to generate.



Note

The external identifier is an optional attribute. If its omitted in the payload of the request a random phrase is generated.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the unique identifier created.

Status code 200 is returned upon successful operation.

Example

```
{ "uid": "T-36-0-30-101-4123458" }
```

The output data is in the following form:

Resource

Name	Type	Required	Description
uid	string	yes	The generated unique identifier.

Possible Errors

Status Code	Description
400	One or more segments of the unique identifier to generate is malformed.
401	The access token is invalid or has been revoked.
403	The surrogate composed from the payload doesn't point to a unique identifier that the user cannot create.
409	The surrogate composed from the payload points to a unique identifier that already exists.

Register an Unique Identifier

PUT /igs/uid/v1/uid

Request

Permission

Access to this resource method requires **uid.register** elevated permission.

Furthermore, the executing account **MUST** be a member of the tenant for which the unique identifier is generated.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/uid' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "uid" : "T-36-0-20-101-4123461" }'
```


Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

The input data is in the following form:

Name	Type	Required	Description
uid	string	yes	The full-qualified unique identifier to register.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "uid": "T-36-0-20-101-4123461"
, "state": 2
, "meta": {
    "version": "01"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-06-21T15:56:51"
  , "updatedBy": "igssysadm"
  }
```

```
, "updatedAt": "2022-06-21T15:56:51"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
uid	string	yes	The full-qualified unique identifier to registered.
state	integer	yes	The state of the unique identifier to registered.
meta	Metadata object	yes	The audited metadata of the unique identifier to registered.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom registered the resource.
createdOn	dateTime	yes	The timestamp the resource was registered.
updatedBy	string	yes	The user whom last updated the resource.
updatedAt	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The identifier of the unique identifier to register is malformed.
401	The access token is invalid or has been revoked.
403	The uid in the payload doesn't point to an unique identifier that the user can register.
409	The uid in the payload points to a unique identifier that already exists.

Delete an Unique Identifier

DELETE /igs/uid/v1/type/{id}

Request

Permission

To access this resource method elevated permission **uid.generate** or **uid.register** is required. Furthermore, the executing account **MUST** be a member of the tenant for which the unique identifier is generated.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/uid/T-36-0-30-101-4123458' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

This method does not accept additional query parameters.

Response

TBD

Status code 204 is returned upon successful operation.

Example

Possible Errors

Status Code	Description
400	The identifier of the unique identifier to delete is malformed.
401	The access token is invalid or has been revoked.
403	The <code>id</code> in request path doesn't point to a unique identifier that the user can delete.
404	The <code>id</code> in request path doesn't point to a unique identifier that exists.

Resource Participant Type

The participant type management resource includes searching, creating, updating and deleting of participant types.



Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for Participant Types](#)
- [Lookup a Participant Type](#)
- [Create a Participant Type](#)
- [Update a Participant Type](#)
- [Delete a Participant Type](#)

Search for Participant Types

GET /igs/uid/v1/participantType

Search participant types based on filter criteria.

Request



Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participantType' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	Bearer appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
id	x	x	x	x	x	-	-	-	-
name	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-
meta.createdOn	x	-	-	-	-	x	x	x	x

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x

As an example to get all participant type that name starts with *P* formulate:

```
filter=name sw "P"
```

Response

The representation of the participant types found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "total": 2
  , "start": 1
  , "items": 2
  , "result": [
    { "id": "T"
      , "active": true
      , "name": "Participant"
      , "meta": { "version": "01"
                  , "createdBy": "igssysadm"
                  , "createdOn": "2022-04-01T19:00:46"
                  , "updatedBy": "igssysadm"
                  , "updatedOn": "2022-04-01T19:00:46"
                }
      }
    , { "id": "P"
      , "active": true
      , "name": "Partner"
      , "meta": { "version": "01"
                  , "createdBy": "igssysadm"
                  , "createdOn": "2022-04-01T19:00:46"
                  , "updatedBy": "igssysadm"
                  , "updatedOn": "2022-04-01T19:00:46"
                }
      }
    ]
  }
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.

Name	Type	Required	Description
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.
meta	Metadata object	yes	The audited metadata of the participant type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
401	The access token is invalid or has been revoked.

Lookup a Participant Types

GET /igs/uid/v1/participantType/{id}

Lookup a certain participant type based on its identifier.

Request

Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participantType/T' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant type found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "T"
  , "active": true
  , "name": "Participant"
  , "meta":
    {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-04-01T19:00:46"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-04-01T19:00:46"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.
meta	Metadata object	yes	The audited metadata of the participant type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The identifier of the participant type to search for is malformed.
401	The access token is invalid or has been revoked.
404	The <code>id</code> in request path doesn't point to a participant type that exists.

Create a Participant Type

POST `/igs/uid/v1/participantType`

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participantType' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{
    "id" : "X"
    , "name" : "Unknown"
  }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

Name	Type	Required	Description
id	string list	yes	The identifier of the participant type to create.

Name	Type	Required	Description
name	string list	yes	The human readable identifier of the participant type to create.

Query Parameter

The supported query parameter are the following:

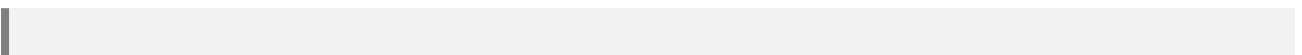
Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant type created containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example



The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.
meta	Metadata object	yes	The audited metadata of the participant.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id or name of the participant type to create is not provided or malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to create participants.
409	The id contained in the payload points to a participant type that already exists.

Modify a Participant Type

PUT /igs/uid/v1/participantType/{id}

Modifies a certain participant type identified by its id:

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participantType/X' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "name" : "Wellknown" }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token	

Response

The representation of the participant type modified containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "X"
, "active": true
, "name": "Wellknown"
, "meta":
{ "version": "02"
, "createdBy": "igssysadm"
, "createdOn": "2022-04-01T19:00:46"
```

```
{
  "updatedBy": "igssysadm"
},
{
  "updatedOn": "2022-06-22T12:08:16"
}
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.
meta	Metadata object	yes	The audited metadata of the participant type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The identifier of the participant type to modify is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify participant types.
404	The <code>id</code> in request path doesn't point to a participant type that exists.

Delete a Participant Type

DELETE /igs/uid/v1/participantType/{id}

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participantType/X' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

This method does not accept additional query parameters.

Response

The representation of the participant type deleted containing the attributes whose returnability is *default*.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "X"
  , "active": false
  , "name": "Wellknown"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.

Possible Errors

Status Code	Description
400	The identifier of the participant type to delete is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify participant types.
404	The <code>id</code> in request path doesn't point to a participant type that exists.

Resource Country Mappings

The resource for managing country mappings within the UID generator includes finding, creating, updating, and deleting countries.

! Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for Country Mappings](#)
- [Lookup a Country Mapping](#)
- [Create a Country Mapping](#)
- [Update a Country Mapping](#)
- [Delete a Country Mapping](#)

Search for Countries

GET /igs/uid/v1/country

Search countries based on filter criteria.

Request

! Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/country' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
id	x	x	x	x	x	-	-	-	-
name	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-
meta.createdOn	x	-	-	-	-	x	x	x	x

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x

As an example to get all countries that name starts with G formulate:

```
filter=name sw "G"
```

Response

The representation of the countries found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters. Status code 200 is returned upon successful operation.

Example

```
{ "total": 1
, "start": 1
, "items": 1
, "result": [
  { "id": "36"
  , "active": true
  , "name": "Germany"
  , "meta":
    { "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2022-04-01T19:00:46"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2022-04-01T19:00:46"
    }
  }
]
}
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant type.
active	boolean	yes	The activation status of the participant type.
name	string	yes	The human readable name of the participant type.
meta	Metadata object	yes	The audited metadata of the country.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
401	The access token is invalid or has been revoked.

Lookup a Country

GET	/igs/uid/v1/country/{id}
------------	--------------------------

Lookup a certain country based on its identifier.

Request

Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/country/36' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the country found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "36"
  , "active": true
  , "name": "Germany"
  , "meta":
    { "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-04-01T19:00:46"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-04-01T19:00:46"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the country.
active	boolean	yes	The activation status of the country.
name	string	yes	The human readable name of the country.
meta	Metadata object	yes	The audited metadata of the country.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The <code>id</code> of the country to search for is malformed.
401	The access token is invalid or has been revoked.
404	The <code>id</code> in request path doesn't point to a country that exists.

Create a Country

POST	<code>/igs/uid/v1/country</code>
-------------	----------------------------------

Request



Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/country' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "id" : "41"
          , "name" : "Poland"
        }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token .

Request Body

Name	Type	Required	Description
id	string list	yes	The identifier of the country to create.
name	string list	yes	The human readable identifier of the country to create.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the country created containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "41"
  , "active": true
  , "name": "Poland"
  , "meta":
    {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-22T12:57:14"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-22T12:57:14"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the country.
active	boolean	yes	The activation status of the country.
name	string	yes	The human readable name of the country.
meta	Metadata object	yes	The audited metadata of the country.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The <code>id</code> or name of the country to create is not provided or or malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to create countries.
409	The <code>id</code> contained in the payload points to a country that already exists.

Modify a Country

PUT `/igs/uid/v1/country/{id}`

Modifies a certain country identified by its `id`.

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/country/41' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "name" : "Luxembourg" }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the country modified containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "41"
  , "active": true
  , "name": "Luxembourg"
  , "meta":
    {
      "version": "02"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-22T12:57:14"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-22T13:07:32"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the country.
active	boolean	yes	The activation status of the country.
name	string	yes	The human readable name of the country.
meta	Metadata object	yes	The audited metadata of the country.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.

Name	Type	Required	Description
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id of the country to modify is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify countries.
404	The id in request path doesn't point to a country that exists.

Delete a Country

DELETE /igs/uid/v1/country/{id}

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/country/41' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json

Name	Type	Value
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

This method does not accept additional query parameters.

Response

The representation of the country deleted containing the attributes whose returnability is *default*. Status code 200 is returned upon successful operation.

Example

```
{ "id": "41"
  , "active": false
  , "name": "Luxembourg"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the country.
active	boolean	yes	The activation status of the country.
name	string	yes	The human readable name of the country.

Possible Errors

Status Code	Description
400	The <code>id</code> of the country to delete is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify countries.
404	The <code>id</code> in request path doesn't point to a country that exists.

Resource States

The state management resource includes searching, creating, updating and deleting of states.



Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for States](#)
- [Lookup a State](#)
- [Create a State](#)
- [Update a State](#)
- [Delete a State](#)

Search for States

GET /igs/uid/v1/state

Search states based on filter criteria.

Request



Permission

There are no elevated permission required to access this resource method.

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/state' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
id	x	x	x	x	x	-	-	-	-
name	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-
meta.createdOn	x	-	-	-	-	x	x	x	x

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x

As an example to get all states that identifier matches exactly 0 formulate:

```
filter=id eq "0"
```

Response

The representation of the states found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "total": 18
  , "start": 1
  , "items": 18
  , "result": [
    { "id": "0"
      , "active": true
      , "name": "Bund"
      , "meta": {
        "version": "01"
        , "createdBy": "igssysadm"
        , "createdOn": "2023-04-01T19:00:46"
        , "updatedBy": "igssysadm"
        , "updatedOn": "2023-04-01T19:00:46"
      }
    }
    , { ... }
    , { "id": "99"
      , "active": true
      , "name": "International"
      , "meta": {
        "version": "01"
        , "createdBy": "igssysadm"
        , "createdOn": "2023-04-01T19:00:46"
        , "updatedBy": "igssysadm"
        , "updatedOn": "2023-04-01T19:00:46"
      }
    }
  ]
}
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.

Name	Type	Required	Description
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the state.
active	boolean	yes	The activation status of the state.
name	string	yes	The human readable name of the state.
meta	Metadata object	yes	The audited metadata of the state.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
401	The access token is invalid or has been revoked.

Lookup a State

GET	/igs/uid/v1/state/{id}
------------	------------------------

Lookup a certain state based on its identifier.

Request

Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/state/2' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the state found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "2"
```

```
, "active": true
, "name": "Hamburg"
, "meta":
{
  "version": "01"
, "createdBy": "igssysadm"
, "createdOn": "2022-04-01T19:00:46"
, "updatedBy": "igssysadm"
, "updatedOn": "2022-04-01T19:00:46"
}
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the state.
active	boolean	yes	The activation status of the state.
name	string	yes	The human readable name of the state.
meta	Metadata object	yes	The audited metadata of the state.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The <code>id</code> of a state to search for is malformed.
401	The access token is invalid or has been revoked.
404	The <code>id</code> in request path doesn't point to a state that exists.

Creates a State

POST /igs/uid/v1/state

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/state' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{
    "id" : "48"
    , "name" : "West Pomeranian"
  }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

Name	Type	Required	Description
id	string list	yes	The identifier of the state to create.
name	string list	yes	The human readable identifier of the state to create.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names,

Name	Type	Required	Description
			expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the country created containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "48"
  , "active": true
  , "name": "West Pomeranian"
  , "meta":
    {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-22T12:57:14"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-22T12:57:14"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the state.
active	boolean	yes	The activation status of the state.
name	string	yes	The human readable name of the state.
meta	Metadata object	yes	The audited metadata of the state.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.

Name	Type	Required	Description
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id or name of the state to create is not provided or or malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to create states.
409	The id contained in the payload points to a states that already exists.

Modify a State

PUT /igs/uid/v1/state/{id}

Modifies a certain state identified by its id.

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/state/48' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "name" : "Pomeranian" }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json

Name	Type	Value
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the state modified containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "41"
, "active": true
, "name": "Pomeranian"
, "meta": {
    "version": "02"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-06-22T12:57:14"
  , "updatedBy": "igssysadm"
  , "updatedOn": "2022-06-22T13:01:26"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the state.
active	boolean	yes	The activation status of the state.
name	string	yes	The human readable name of the state.

Name	Type	Required	Description
meta	Metadata object	yes	The audited metadata of the state.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The <code>id</code> of the state to modify is malformed.
401	The access token is invalid or has been revoked.
403	The <code>id</code> in request path doesn't point to a state that the user can modify.
404	The <code>id</code> in request path doesn't point to a state that exists.

Delete a State

DELETE `/igs/uid/v1/state/{id}`

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/state/48' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```


Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

This method does not accept additional query parameters.

Response

The representation of the state deleted containing the attributes whose returnability is *default*.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "48"
  , "active": false
  , "name": "Pomeranian"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the state.
active	boolean	yes	The activation status of the state.
name	string	yes	The human readable name of the state.

Possible Errors

Status Code	Description
400	The <code>id</code> of the state to delete is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify states.
404	The <code>id</code> in request path doesn't point to a state that exists.

Resource Participant

The participant management resource includes searching, creating, updating and deleting of participants.

! Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for Participants](#)
- [Lookup a Participant](#)
- [Create a Participant](#)
- [Update a Participant](#)
- [Delete a Participant](#)

Search for Participants

GET /igs/uid/v1/participant

Search participants based on filter criteria.

Request

Example

! Permission

There are no elevated permission required to access this endpoint.

```
curl --request GET \
  --location 'https://host:port/igs/uid/v1/participant' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
id	x	x	x	x	x	-	-	-	-
name	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-
meta.createdOn	x	-	-	-	-	x	x	x	x

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x

As an example to get all participant that name contains *Police* formulate:

```
filter=name co "Police"
```

Response

The representation of the participants found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters. Status code 200 is returned upon successful operation.

Example

```
{ "total": 21
, "start": 1
, "items": 21
, "result": [
  { "id": "01"
  , "active": true
  , "name": "Polizei Schleswig-Holstein"
  , "meta": {
    "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2023-04-01T19:00:46"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2023-04-01T19:00:46"
  }
  }
, { ... }
, { "id": "00099"
  , "active": true
  , "name": "International"
  , "meta": {
    "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2023-04-01T19:00:46"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2023-04-01T19:00:46"
  }
  }
]
}
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.

Name	Type	Required	Description
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant.
active	boolean	yes	The activation status of the participant.
name	string	yes	The human readable name of the participant.
meta	Metadata object	yes	The audited metadata of the participant.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
401	The access token is invalid or has been revoked.

Lookup a Participant

GET	/igs/uid/v1/participant/{id}
------------	------------------------------

Lookup a certain participant based on its identifier.

Request

Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participant/07' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "07"
, "active": true
, "name": "Police Rhineland-Palatinate"
, "meta":
  {
    "version": "01"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-04-01T19:00:46"
  , "updatedBy": "igssysadm"
  , "updatedOn": "2022-04-01T19:00:46"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant.
active	boolean	yes	The activation status of the participant.
name	string	yes	The human readable name of the participant.
meta	Metadata object	yes	The audited metadata of the participant.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id of the participant to search for is malformed.
401	The access token is invalid or has been revoked.

Status Code	Description
404	The <code>id</code> in request path doesn't point to a participant that exists.

Create a Participant

POST	<code>/igs/uid/v1/participant</code>
-------------	--------------------------------------

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participant' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{
    "id" : "41"
    , "name" : "Landratsamt Rosenheim"
  }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

Name	Type	Required	Description
id	string list	yes	The identifier of the participant to create.
name	string list	yes	The human readable identifier of the participant to create.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant created containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "41"
  , "active": true
  , "name": "Landratsamt Rosenheim"
  , "meta":
    {
      "version": "01"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-22T13:14:14"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-22T13:14:14"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant.
active	boolean	yes	The activation status of the participant.
name	string	yes	The human readable name of the participant.
meta	Metadata object	yes	The audited metadata of the participant.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id or name of the participant to create is not provided or or malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to create participants.
409	The id contained in the payload points to a participant that already exists.

Modify a Participant

PUT /igs/uid/v1/participant/{id}

Modifies a certain participant identified by its id.

Request



Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participant/41' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "name" : "Not Landratsamt Rosenheim" }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the participant modified containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "41"
  , "active": true
  , "name": "Not Landratsamt Rosenheim"
  , "meta":
    { "version": "02"
      , "createdBy": "igssysadm"
      , "createdOn": "2022-06-22T13:14:14"
      , "updatedBy": "igssysadm"
      , "updatedOn": "2022-06-22T13:16:23"
    }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant.
active	boolean	yes	The activation status of the participant.
name	string	yes	The human readable name of the participant.
meta	Metadata object	yes	The audited metadata of the participant.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id of the participant to modify is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify countries.
404	The id in request path doesn't point to a participant that exists.

Delete a Participant

DELETE /igs/uid/v1/participant/{id}

Request

Permission

To access this resource method elevated permission **administrator** is required.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/participant/41' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

This method does not accept additional query parameters.

Response

The representation of the participant deleted containing the attributes whose returnability is *default*.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "41"
  . "active": false
  , "name": "Not Landratsamt Rosenheim"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the participant.
active	boolean	yes	The activation status of the participant.

Name	Type	Required	Description
name	string	yes	The human readable name of the participant.

Possible Errors

Status Code	Description
400	The <code>id</code> of the participant to delete is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify participants.
404	The <code>id</code> in request path doesn't point to a participant that exists.

Resource Account Type

The account type management resource includes searching, creating, updating and deleting of account types.



Authorization

Any access to any method provided by this resource **MUST** be authorized by an access token.
See [Authentication for the REST API](#).

You can use the UID Generator Service API to perform the following operations:

- [Search for Account Types](#)
- [Lookup an Account Type](#)
- [Create an Account Type](#)
- [Update an Account Type](#)
- [Delete an Account Type](#)

Search for Account Types

GET /igs/uid/v1/type

Search account types based on filter criteria.

Request



Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/type' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
startIndex	integer	no	The 1-based index of the first query result to return. A value less than 1 is interpreted as 1.
count	integer	no	Specifies the desired maximum number of query results per batch. A negative value is interpreted as 0. A value of 0 indicates that no resource results are to be returned.
filter	string	no	The filter criteria to apply on the search. See Filter Criteria .
sortBy	string	no	The sort criteria to apply on the search.
sortOrder	string	no	The order in which the sorting is performed, like in ascending or descending order.
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Filter Criteria

The applicable filter criteria on a search are the following:

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
id	x	x	x	x	x	-	-	-	-
name	x	x	x	x	x	-	-	-	-
meta.createdBy	x	x	x	x	x	-	-	-	-
meta.createdOn	x	-	-	-	-	x	x	x	x

Criteria	eq	ne	co	sw	ew	ge	gt	le	lt
meta.updatedBy	x	x	x	x	x	-	-	-	-
meta.updatedOn	x	-	-	-	-	x	x	x	x

As an example to get all account types that identifier matches exactly *111* formulate:

```
filter=id eq "111"
```

Response

The representation of the account types found containing the attributes whose returnability is *default*. This can be overridden by supplying *attributes* or *excludedAttributes* query parameters.

Status code 200 is returned upon successful operation.

Example

```
{ "total": 2
, "start": 1
, "items": 2
, "result": [
  { "id": "101"
  , "active": true
  , "name": "Anwenderkonto-Mitarbeiter"
  , "meta": {
    "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2023-04-01T19:00:46"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2023-04-01T19:00:46"
  }
  }
, { "id": "111"
  , "active": true
  , "name": "Administrationskonto f?r Fachanwendung"
  , "meta": {
    "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2023-04-01T19:00:46"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2023-04-01T19:00:46"
  }
  }
]
}
```

The output data is in the following form:

Name	Type	Required	Description
total	integer	yes	Non-negative integer. Specifies the total number of results matching the query.
start	integer	yes	The 1-based index of the first result in the current set of query results.

Name	Type	Required	Description
items	integer	yes	Non-negative integer. Specifies the number of query results that are returned in a query response page.
result	Resource array	yes	The resource array of the populated result set.

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the account type.
active	boolean	yes	The activation status of the account type.
name	string	yes	The human readable name of the account type.
meta	Metadata object	yes	The audited metadata of the state.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Error Code	Description
401	The access token is invalid or has been revoked.

Lookup an Account Type

GET	/igs/uid/v1/type/{id}
------------	-----------------------

Lookup a certain account type based on its identifier.

Request

Permission

There are no elevated permission required to access this resource method.

Example

```
curl --request GET \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/type/101' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header "Authorization: Bearer <your-token>"
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the account type found containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "101"
, "active": true
, "name": "User Account - Employee"
, "meta":
  {
    "version": "01"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-04-01T19:00:46"
  , "updatedBy": "igssysadm"
  , "updatedOn": "2022-04-01T19:00:46"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the account type.
active	boolean	yes	The activation status of the account type.
name	string	yes	The human readable name of the account type.
meta	Metadata object	yes	The audited metadata of the account type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id of a account type to search for malformed.
401	The access token is invalid or has been revoked.

Status Code	Description
404	The <code>id</code> in request path doesn't point to a account type that exists.

Create an Account Type

POST	<code>/igs/uid/v1/type</code>
-------------	-------------------------------

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request POST \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/type' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{
    "id" : "201"
    , "name" : "System Administrator"
  }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Request Body

Name	Type	Required	Description
id	string list	yes	The identifier of the account type to create.
name	string list	yes	The human readable identifier of the account type to create.

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the account type created containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "201"
, "active": true
, "name": "System Administrator"
, "meta":
  {
    "version": "01"
    , "createdBy": "igssysadm"
    , "createdOn": "2022-06-22T13:36:14"
    , "updatedBy": "igssysadm"
    , "updatedOn": "2022-06-22T13:36:14"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the account type.
active	boolean	yes	The activation status of the account type.
name	string	yes	The human readable name of the account type.
meta	Metadata object	yes	The audited metadata of the account type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Status Code	Description
400	The id or name of the account type to create is not provided or or malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to create account types.
409	The id contained in the payload points to a account type that already exists.

Modify an Account Type

PUT /igs/uid/v1/type/{id}

Modifies a certain account type identified by its id.

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request PUT \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/type/201' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>' \
  --data '{ "name" : "Not System Administrator" }'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

The supported query parameter are the following:

Name	Type	Required	Description
attributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).
excludedAttributes	string list	no	The value of this parameter is a comma-separated list of resource attribute names, expressed in standard attribute notation (e.g., id, name).

Response

The representation of the account type modified containing the attributes whose returnability is *default*. This can be overridden by supplying `attributes` or `excludedAttributes` query parameters.

Status code 200 is returned upon successful operation.

Example

```
{
  "id": "201"
, "active": true
, "name": "Not System Administrator"
, "meta":
  {
    "version": "02"
  , "createdBy": "igssysadm"
  , "createdOn": "2022-06-22T13:36:14"
  , "updatedBy": "igssysadm"
  , "updatedOn": "2022-06-22T13:38:09"
  }
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the account type.
active	boolean	yes	The activation status of the account type.
name	string	yes	The human readable name of the account type.
meta	Metadata object	yes	The audited metadata of the account type.

Metadata

Name	Type	Required	Description
version	string	yes	The current version of the retrieved resource.
createdBy	string	yes	The user whom created the resource.
createdOn	dateTime	yes	The timestamp the resource was created.
updatedBy	string	yes	The user whom last updated the resource.
updatedOn	dateTime	yes	The timestamp the resource was last updated.

Possible Errors

Error Code	Description
400	The <code>id</code> of the account type to modify is malformed.
401	The access token is invalid or has been revoked.
403	The <code>id</code> in request path doesn't point to an account type that the user can modify.
404	The <code>id</code> in request path doesn't point to an account type that exists.

Delete an Account Type

DELETE `/igs/uid/v1/type/{id}`

Request

Permission

Access to this resource method requires **uid.admin** elevated permission.

Example

```
curl --request DELETE \
  --location 'https://<service-host>:<service-port>/igs/uid/v1/type/201' \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Bearer <your-token>'
```

Request Header

Invoking this endpoint requires following request header:

Name	Type	Value
accept	string	application/json
content-type	string	application/json
authorization	string	<i>Bearer</i> appended with the token obtained by Obtaining a Token

Query Parameter

This method does not accept additional query parameters.

Response

The representation of the account type deleted containing the attributes whose returnability is *default*.

Status code 200 is returned upon successful operation.

Example

```
{ "id": "201"
  . "active": false
  , "name": "Not System Administrator"
}
```

The output data is in the following form:

Resource

Name	Type	Required	Description
id	string	yes	The identifier of the account type.
active	boolean	yes	The activation status of the account type.

Name	Type	Required	Description
name	string	yes	The human readable name of the account type.

Possible Errors

Error Code	Description
400	The <code>id</code> of the account type to delete is malformed.
401	The access token is invalid or has been revoked.
403	The user isn't authorized to modify account type.
404	The <code>id</code> in request path doesn't point to an account type that exists.

Appendix

Glossar

Term / Abbreviation	Description
Account	<p>A user account is an access authorization to a restricted IT system.</p> <p>The structure of an account varies depending on the IT system. Using an account, natural identities as well as technical identities (other IT systems) can access an IT system.</p>
API	<p>Application Programming Interface</p> <p>A service owner provides such interfaces so that others may use the features and functions enabled by the service. API's describe how a consumer will make requests of the service, and what they will receive in return.</p>
Authentication	<p>Verification and confirmation of an identity</p> <p>Verification of an identity by verifying proof of identity that the identity has to provide (e.g. verification of the identity card through face recognition and verification of the ID card number).</p>
Authorization	<p>Granting Access</p> <p>Granting permissions based on an already authenticated identity and role (e.g. every authenticated EU citizen is authorized to enter Switzerland).</p>
CNP	
Encoding	<p>A character coding allows the clear assignment of characters (usually letters or digits) and symbols within a character set.</p>
Identity	<p>An identity is a clear, recognizable description of a natural person in a specific context of use. The identity consists of attributes that uniquely characterize the person.</p>
Identity Provider	<p>An identity provider (IdP) is a system that creates, stores, and manages digital identities. The IdP can either directly authenticate the user or can provide authentication services to third-party service providers (apps, websites, or other digital services).</p>
IdP	<p>See Identity Provider</p>
IMP	<p>Police information model</p> <p>The Police information model is defined as a conceptual data model that is suitable for supporting cross-federal and state data exchange and business processes. It contains the information objects (entities)</p>

Term / Abbreviation	Description
	required for this, their detailed information (attributes) and catalogs that are coordinated in terms of structure and content (coordination in a continuous parallel process).
JSON	JavaScript Object Notation A lightweight data-interchange format.
P20-UID	User identity (unique identifier of an identity in the P20/20 environment)
Participant	The police forces that take part directly in the Police 20/20 program are designated as participants, i.e. all state and federal police forces (BKA, Federal Police and Customs) in accordance with BKAG 29.
Partner	Within this document, the authorities are considered to be partners who will access the services of the Police 20/20 program in the future as part of their sovereign tasks and/or police cooperation, but are not among the actual participants in Police 20/20.
PSP	Police Service Platform Comprehensive infrastructure that forms the basis for the provision of applications and professional and technical services. The PSP is a logical view of the provision of infrastructure and platforms by various service providers (BKA IT, state DL or private DL).
REST	Representational State Transfer
URI	Uniform Resource Identifier A Uniform Resource Identifier (URI) is a unique sequence of characters that identifies a logical or physical resource used by web technologies. URIs may be used to identify anything, including real-world objects, such as people and places, concepts, or information resources such as web pages and books.
User Account	See Account
VCN	Virtual Cloud Network

Permissible values per P20-UID-Segment

1st segment (category partner type / participant type)

Value	Description
P	Partner

Value	Description
T	Participant

2nd segment (category country)

Value	Description
36	Germany

3rd segment (category state)

Value	Description
0	Federal
1	Schleswig-Holstein
2	Hamburg
3	Lower Saxony
4	Bremen
5	North Rhine-Westphalia
6	Hesse
7	Rhineland-Palatinate
8	Baden-Wuerttemberg
9	Bavaria
10	Saarland
11	Berlin
12	Brandenburg
13	Mecklenburg-Western Pomerania
14	Saxony
15	Saxony-Anhalt
16	Thuringia

4th segment (category partner id / participant id)

Value	Description
01	Police Schleswig-Holstein
02	Police Hamburg
03	Police Lower Saxony
04	Police Bremen
05	Police North Rhine-Westphalia
06	Police Hesse
07	Police Rhineland-Palatinate
08	Police Baden-Wuerttemberg
09	Police Bavaria
10	Police Saarland
11	Police Berlin
12	Police Brandenburg
13	Police Mecklenburg-Western Pomerania
14	Police Saxony
15	Police Saxony-Anhalt
16	Police Thuringia
20	Federal Criminal Police Office
30	Federal Police
31	Customs Investigation Bureau
36	Police at the German Bundestag

5th segment (category account type)

Value	Description
101	User Account - Employee

Value	Description
111	Administration account for business applications