

# Profiles on Demand API Documentation

Using the Profiles on Demand API allows third-party applications to query profile information from Umbrella Faces after being authorized with OAuth2 authentication.

The interface is part of our standard web service offering and can be found in our [swagger documentation](#).



swagger.yaml

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## Preamble / General Notes

The Profiles on Demand API relies fully on the OAuth2 protocol to perform authentication and authorization to profiles. It is strongly suggested to get a general grasp of the OAuth 2.0 flows, specifically the Authorization Code and Client Credentials flows, before running any API related inquiries.

As the name suggests, the Profiles On Demand API is designed to provide profiles **on demand**.

It is specifically *prohibited* to run bulk queries for profiles aimed at dumping / synchronizing the full profile data base to a third party system.

The API is continuously being developed and extended. As a result, new data structures may be added to existing responses at any time without prior notice. It is therefore **required** to design a client application to only request information needed by the application as well as configure the application to not fail should there be additional (newly added) properties in the response.

Upon examining the swagger documentation you may find more APIs not listed in this documentation. These are for internal use only and will not be made available to the general public

## Rate Limiting

As per our contract, we reserve the right to subject API calls to a rate limit. The following headers will be present in server responses in case an API is subject to rate limiting:

Normally these headers are not present, they will dynamically appear if your application becomes subject to rate limiting (i.e. due to having made excessive API calls in the past)

| Header Name              | Value                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| X-Rate-Limit-Remaining   | Number of requests remaining                                                                                                     |
| X-Rate-Limit-Retry-After | Sent alongside a HTTP 429 error when hitting the rate limit<br>Number of seconds remaining until another API request may be made |

## Authentication

### Application registration and certification

Third parties wishing to access data from Faces must provide the following details, which will be evaluated before any OAuth API can be accessed:

| Field                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Name      | Application name, which will be shown to the user                                                                                                                                                                                                                                                                                                                                                                                                       |
| Application Purpose   | Short description of what the application wants to achieve using the OAuth2 enabled APIs                                                                                                                                                                                                                                                                                                                                                                |
| Desired OAuth Scopes  | OAuth Scopes requested by the application see <a href="#">Available OAuth Data-Scopes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Desired OAuth Flow(s) | One or more OAuth flows, see <a href="#">Supported OAuth2 Flows</a><br>By default you will be granted access to the Authorization Code flow, which requires user interaction to authorize your application, however depending on your applications purpose it may be possible to setup a different flow (For example to allow unlimited access to all profiles belonging to your own travel agency in case you're implementing an in-house application) |

Umbrella will provide the application with a clientId and clientSecret to be used for development on our integration environment at <https://hurricane.umbrellanet.ch/uf-test>

Certification will be achieved by demonstrating the product accessing Faces using OAuth

### Available OAuth Data-Scopes

Your application will be granted some or all of the following OAuth scopes for data access:

| Scope                                   | Description                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| api.profilesondemand.read               | Access to the <a href="#">Profiles API</a> (read only)                                                                                                               |
| api.profilesondemand.write              | Access to the <a href="#">Profiles API</a> (write)                                                                                                                   |
| api.profilesondemand.ccaccess           | Access to plaintext credit card details.<br>Requires attestation of PCI compliance as well as special handling for CC numbers to be exchanged via our partner Midoco |
| api.profilesondemand.profilecenter.read | Access to (certain functions of) the <a href="#">Profile Center API</a> (read only)                                                                                  |
| openid                                  | Required scope when requesting an <a href="#">ID-Token</a> for "Login using Faces" functionality                                                                     |
| agencyid                                | Optional scope to be included in and ID-Token.<br><br>Please see the section <a href="#">Usage of an ID token</a> within this document.                              |
| email                                   | Optional scope to be included in and ID-Token.<br><br>Please see the section <a href="#">Usage of an ID token</a> within this document.                              |
| profile                                 | Optional scope to be included in and ID-Token.<br><br>Please see the section <a href="#">Usage of an ID token</a> within this document.                              |

Please let our friendly support-staff know which scopes you'll be requiring in order to provide which desired functionality.

## Supported OAuth2 Flows

Faces supports multiple OAuth2 grant flows, depending on the individual requirements of the client application. The following table lists possible flows:

| Type               | Purpose                                        | Description                                                                                                                                                                                                                                                                                                                                                            | Restrictions                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Authorization Code | Interact with the API on behalf of an end-user | Allows an application to act on behalf of a (or multiple) specific user within Faces. The Authorization Code Flow requires the client application to open a popup-window where an user signs into Faces and explicitly allows access.<br><br>Once Access has been granted, a refresh-token is issued which allows further access without additional human interaction. | Not all API operations may be available, depending on the authorization level of the user. (e.g. company data can not be queried or updated by a traveller)                                                                                                                                                                                                                                         |
| Implicit           |                                                | Similar to the Authorization Code flow, with the difference that no refresh-token will be issued and thus only temporary access of maximum one hour is possible before re-confirmation is needed.                                                                                                                                                                      | Same as for Authorization Code.<br><br><div> <p>The implicit flow is considered deprecated / unsafe and should no longer be used <a href="https://datatracker.ietf.org/doc/html/draft-ietf-oauth-security-topics-09#section-2.1.2">https://datatracker.ietf.org/doc/html/draft-ietf-oauth-security-topics-09#section-2.1.2</a></p> <p>Please consider using the Authorization Code Grant</p> </div> |
| Client Credentials | Machine-to-Machine communication               | Currently allows a specific OAuth2 Client to be linked to a specific travel agency in Faces. No end-user interaction is required                                                                                                                                                                                                                                       | ID-Tokens cannot be requested since the access is not tied to a specific user.                                                                                                                                                                                                                                                                                                                      |

Please let us know which OAuth flow you plan on supporting for your use case when requesting API credentials. If not otherwise specified, we'll be supplying you with access to the Authorization Code flow.

## Oauth2 Authorization Code Flow by example

### Step 1: Request authorization code grant

The user is given a link to start the authorization process, including mandatory parameters

| Parameter                                  | Description                                                                                                                  |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| response_type= <a href="#">code</a>        | Specifies the application is requesting an authorization code grant (value = always "code")                                  |
| client_id= <a href="#">CLIENT_ID</a>       | The clientId which has been setup for the application                                                                        |
| redirect_uri= <a href="#">CALLBACK_URL</a> | Where Faces redirects the user after an authorization code is granted (full URI, including http:// https:// or other prefix) |

[https://hurricane.umbrellanet.ch/uf-test/oauth/authorize?response\\_type=code&client\\_id=CLIENT\\_ID&redirect\\_uri=CALLBACK\\_URL](https://hurricane.umbrellanet.ch/uf-test/oauth/authorize?response_type=code&client_id=CLIENT_ID&redirect_uri=CALLBACK_URL)

### Step 2: User authorizes the application

Upon clicking the link, the user must first login to Faces (unless they are already logged in). Then they will be prompted by the service to authorize or deny the application access.

An example authorization prompt may look like this:



## Authorize access

OAuth2 Test Application would like to access application data on your behalf.

The application will be granted read-only access to all profile information which is available to you.

Authorize

Deny

### Step 3: Application receives authorization code

If the user clicks "Authorize", Faces redirects to the application redirect URI which was specified in the request, along with an authorization code.

The redirect would look something like this:

[https://your.application.com/callback?code=THE\\_AUTH\\_CODE](https://your.application.com/callback?code=THE_AUTH_CODE)

### Step 4: Application requests refresh and access token

The application requests an access token from the API, by passing the authorization code along with authentication details using HTTP POST:

| Parameter | Description |
|-----------|-------------|
|-----------|-------------|

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CLIENT_ID:CLIENT_SECRET       | <p>The clientId and clientSecret which has been setup for the application, sent as HTTP Basic authentication</p> <div> <p>Please note that we only officially support client_id / client_secret being sent via HTTP Basic authentication header.</p> <p>Any other way (such as sending them in the request body) <i>might</i> work but is not supported and might be removed / broken without any prior notice</p> </div> |
| code=THE_AUTH_CODE            | The authorization code received in step 3                                                                                                                                                                                                                                                                                                                                                                                 |
| redirect_uri=CALLBACK_URL     | The same callback url as used in step 2                                                                                                                                                                                                                                                                                                                                                                                   |
| grant_type=authorization_code | Specifies that you are wanting to trade an authorization_code for a long-lived request token.                                                                                                                                                                                                                                                                                                                             |

### Example Request using cURL

```
#
https://CLIENT_ID:CLIENT_SECRET@hurricane.umbrellanet.ch/uf-test/oauth/token?grant_type=authorization_code&code=THE_AUTH_CODE&redirect_uri=CALLBACK_URL
curl -v -X POST \
  -H "Content-type: application/x-www-form-urlencoded" \
  -u client-id:client-secret \
  -d "grant_type=authorization_code" \
  -d "code=THE_AUTH_CODE" \
  -d "redirect_uri=CALLBACK_URL" \
  https://hurricane.umbrellanet.ch/uf-test/oauth/token
```

As a result, the application is granted short-lived access token used during API calls, as well as a long-lived refresh token which can be used for obtaining further access tokens:

```
{
  "access_token": "eb0afd63-7ad3-4b0f-a3cb-bacbbf4cac7c",
  "token_type": "bearer",
  "refresh_token": "0561038e-02d3-48e4-a859-399acacad59c",
  "expires_in": 3599
}
```

Please do only rely on the "access\_token", "token\_type", "refresh\_token" and "expires\_in" attributes within the token response payload. There might be supplemental information in additional attributes which can change frequently and without any advance notice

## Step 5: Get new access token

After the access token expires, a new one may be obtained similar to step 4:

### Example Request using cURL

```
#
https://CLIENT_ID:CLIENT_SECRET@hurricane.umbrellanet.ch/uf-test/oauth/token?grant_type=refresh_token&refresh_token=REFRESH_TOKEN
curl -v -X POST \
  -H "Content-type: application/x-www-form-urlencoded" \
  -u client-id:client-secret \
  -d "grant_type=refresh_token" \
  -d "refresh_token=REFRESH_TOKEN" \
  https://hurricane.umbrellanet.ch/uf-test/oauth/token
```

As a result, a new access token will be issued. Our application may also issue a new refresh token in case the currently used one is due for expiration, which shall be stored upon reception and used from this point in time onwards.

## Oauth2 Client Credentials Flow by example

When using the Client Credentials Flow, no user interaction is required, instead the authorization level of your application is directly configured within Umbrella Faces. As a result the Client Credentials Flow comprises of only a single step:

### Step 1 out of 1: Get new access token

Whenever a new access token is needed (either because none is available or the old one has expired), a new one may be obtained by issuing a HTTP POST request to our token endpoint, supplying client\_id and client\_secret as HTTP Basic authentication, along with a grant\_type of client\_credentials:

### Example Request using cURL

```
#
https://CLIENT_ID:CLIENT_SECRET@hurricane.umbrellanet.ch/uf-test/oauth/token?grant_type=client_credentials
curl -v -X POST \
  -H "Content-type: application/x-www-form-urlencoded" \
  -u client-id:client-secret \
  -d "grant_type=client_credentials" \
  https://hurricane.umbrellanet.ch/uf-test/oauth/token
```

As a result, a new access token will be issued.

Please do only rely on the "access\_token", "token\_type", "expires\_in" attributes within the token response payload. There might be supplemental information in additional attributes which can change frequently and without any advance notice

## ID token

In addition(or instead) of our OAuth API scopes, we do also support scopes resulting in generation of an ID-Token, which will be returned in Step 4 as well as Step 5 of the Authorization flow.

If only an ID-Token is desired, the OAuth process may be called with [response\\_type=token](#) which will trigger the OAuth 2.0 Implicit flow and only generate a short-lived access token without providing a refresh token.



```
{
  "openid": "3d9205ca-f264-4ad8-b1ac-e645557eaa99",
  "profile": {
    "firstname": "Remo",
    "phone": "+41441234567",
    "displayname": "Herr Remo Räber",
    "name": "Räber"
  },
  "email": "remo.test@umbrella.ch"
}
```

## Profiles API

### Search company profile

|                |                           |
|----------------|---------------------------|
| Scope          | api.profilesondemand.read |
| Endpoint       | api/v1/profiles/companies |
| Request method | GET                       |

Allows searching through a paged list of company profiles. This API can be used to narrow-down the traveler profile search by company.

#### Parameters

| Name     | Description                                     | Validation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| q        | Freetext query for finding matching profiles    | Required parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| page     | Current page within the result set, starts at 0 | Optional, number $\geq 0$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| pageSize | Maximum number of results per page. Default 10  | Optional, number $> 0$ and $\leq 100$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| scope    | Search scope                                    | Optional, may be one of: <ul style="list-style-type: none"> <li>• DEFAULT (Applies default search options as is within the Faces UI)</li> <li>• SHORTNAME (To look for profiles with a specific shortname set; partial matches are returned)</li> <li>• EXTERNAL_NR (To look for profiles with a specific externalNr set; only exact matches are returned)</li> <li>• GENERIC_FIELD (To look in a specific field from the agencies generic setup)</li> <li>• RECORD_LOCATOR (To look for profiles with matching record locator only)</li> <li>• PHONE_NUMBER (To look for profiles based on a full phone number; must be provided in international format, e.g. +41449335390)<br/>Note: Please make sure to properly encode the "+" within the query string (as %2B) and do not include any formatting in the number. Faces will silently fail and return zero results if the phone number is supplied in an invalid format.</li> </ul> |
| p        | Search scope parameter                          | Required if scope=GENERIC_FIELD: Name of the generic field to search in<br><br>Optional for scope=RECORD_LOCATOR: System type or Label (e.g. "CSX", "GALILEO_WS", "My HR-System")<br><br>Prohibited otherwise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                |                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| matchType      | Search string match type                                                                                                                             | <p>Optional parameter. Controls for certain scopes how the search string from "q" is matched against the profile database value</p> <ul style="list-style-type: none"> <li>EXACT_MATCH: Exact match (case sensitive)</li> <li>CASE_INSENSITIVE_MATCH: Exact match (case insensitive)</li> <li>PARTIAL_MATCH: Split the search string at each whitespace and search using "contains" for each substring (case insensitive).</li> </ul> <p>The parameter may be given for the following scopes and will be ignored if provided for any other scope not listed here:</p> <ul style="list-style-type: none"> <li>SHORTNAME (defaults to PARTIAL_MATCH if not provided, EXACT_MATCH is <b>not</b> supported)</li> <li>GENERIC_FIELD (defaults to PARTIAL_MATCH if not provided)</li> </ul> |
| detailSections | <p>Specify additional profile areas to be returned if includeDetails is set to true.</p> <p>Only explicitly specified sections will be included.</p> | <p>Any section may be specified, with more data-heavy sections only being allowed if pageSize is &lt;= 25</p> <p>The following sections are allowed regardless of page size:</p> <ul style="list-style-type: none"> <li>AGENCY_INFO</li> <li>CONTACT_DATA</li> <li>PARENT_COMPANY</li> <li>COMMENT</li> <li>HISTORY</li> <li>TRAVELLER_SETTINGS</li> <li>GENERAL_SETTINGS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                  |

#### Example Request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/companies?q=acme
&page=0&pageSize=10"
```

#### Example Response

```
{
  "moreResults": false,
  "results": [{
    "uuid": "b9321d7e-9d72-4e80-ac49-d3aa38169175",
    "name": "ACME Inc."
  }]
}
```

## Get company profile

|                |                                |
|----------------|--------------------------------|
| Scope          | api.profilesondemand.read      |
| Endpoint       | api/v1/profiles/company/<uuid> |
| Request method | GET                            |

Retrieves the details of a single company profile.

### Parameters

| Name     | Description                                                                                   | Validation                                      |
|----------|-----------------------------------------------------------------------------------------------|-------------------------------------------------|
| <uuid>   | The UUID of the profile to retrieve                                                           | Required parameter                              |
| sections | Areas of the profile to be returned.<br>Must be used to reduce the amount of data transferred | Optional, no sections will be dumped if omitted |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \
  "https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/company/b9321d7e-9d72-4e80-ac49-d3aa38169175?sections=CONTACT_DATA, MEMBERSHIPS"
```

#### Example response

```
{
  "uuid": "dba95fe6-873c-4499-be0c-d3aa38169175",
  "externalNr": "00001",
  "name": "Demo GmbH",
  "shortname": "DEMO-1",
  "data": {
    "contact": {
      "street": "Binzstrasse 33",
      "street2": null,
      "zipCode": "8620",
      "place": "Wetzikon",
      "countryCode": "CH"
    },
    "memberships": {
      "airline": [{
        "uuid": "6bd21d65-0671-4196-8fd1-4de9f4ce9071",
        "alliance": "LH",
        "memberNumber": "DEMODEMO123",
        "type": "SPECIAL_KEYWORD"
      }],
      "hotel": [],
      "rentalCar": []
    },
    "genericFieldValues": []
  }
}
```

## Company profile sections overview

The following sections are currently available in accordance with our Swagger schema definition:

| Name | Contents |
|------|----------|
|------|----------|

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AGENCY_INFO          | Agency information: <ul style="list-style-type: none"> <li>• uuid</li> <li>• name</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONTACT_DATA         | Company contact data: <ul style="list-style-type: none"> <li>• street</li> <li>• street2</li> <li>• zipCode</li> <li>• place</li> <li>• countryCode</li> <li>• phone</li> <li>• fax</li> <li>• E-Mail (email, email2, email3)</li> <li>• receiveDocs</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PARENT_COMPANY       | Parent company settings: <ul style="list-style-type: none"> <li>• company (reference)</li> <li>• adminShareOption (only relevant if parent company is set)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MEMBERSHIPS          | Corporate alliance Memberships <ul style="list-style-type: none"> <li>• airline <ul style="list-style-type: none"> <li>◦ alliance (2-Letter code)</li> <li>◦ memberNumber</li> <li>◦ type</li> </ul> </li> <li>• hotel <ul style="list-style-type: none"> <li>◦ alliance (2-Letter code)</li> <li>◦ memberNumber</li> <li>◦ customerRequest</li> </ul> </li> <li>• rentalCar <ul style="list-style-type: none"> <li>◦ alliance (2-Letter code)</li> <li>◦ memberNumber</li> <li>◦ customerRequest</li> <li>◦ billingNumber</li> <li>◦ preferredProvider (boolean, can only be set on one at a time)</li> </ul> </li> </ul>                                                                                            |
| GENERIC_FIELD_VALUES | Values (where filled) from the generic setup <ul style="list-style-type: none"> <li>• field (name, uuid)</li> <li>• value</li> </ul> <p>Note: Updates to generic field values are possible using either the field name or field uuid. Using the uuid is preferred since it is guaranteed to be unique, whereas name may not be unique or simply not set in some edge cases.</p>                                                                                                                                                                                                                                                                                                                                       |
| CREDIT_CARDS         | Credit card related information: <ul style="list-style-type: none"> <li>• creditCards <ul style="list-style-type: none"> <li>• type (DC, AX, VI, CA, TP, JC, DS)</li> <li>• maskedNumber</li> <li>• expiratoin</li> <li>• remark</li> <li>• publishAsFop</li> </ul> </li> <li>• webCard reference</li> <li>• hotelGuarantee reference</li> <li>• carGuarantee reference</li> <li>• railFormOfPayment reference - only available if rail feature is active in agency configuration</li> <li>• additionalFormOfPayment</li> <li>• travellerCardOptions <ul style="list-style-type: none"> <li>• fopOption</li> <li>• hotelGuaranteeUsage</li> <li>• carGuaranteeUsage</li> <li>• webPaymentUsage</li> </ul> </li> </ul> |
| COMMENT              | Comment on profile - only available to agency managers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HISTORY              | History (Read Only): <ul style="list-style-type: none"> <li>• lastModified (timestamp)</li> <li>• history (Only available to agency managers)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PUBLISH_STATES     | <p>Publish States (Read Only):</p> <ul style="list-style-type: none"> <li>• label</li> <li>• lastPublished (timestamp)</li> <li>• recordLocator</li> <li>• lastPublishState</li> <li>• faultIndicator</li> </ul> <p>The Fault indicator will be one of</p> <ul style="list-style-type: none"> <li>• OK (Everything in order, no special state)</li> <li>• QUEUED (Everything in order, but profile is currently queued for publishing)</li> <li>• INTENTIONALLY_NOT_PUBLISHED (Profile is in a "desired" fault state (Publishing rejected / Profile processed by remote endpoint with warnings))</li> <li>• TIMESTAMP_ISSUE (Profile has an error which is based on timestamp mismatches)</li> <li>• GENERAL_ERROR (The publish state is in error.)</li> </ul>                                                                                                                                       |
| INTERFACE_SETUP    | <div> <p>This section is read only and must not be included in updates.<br/>Sensitive properties (i.e. Concur Refresh Tokens) will not be returned by the API</p> </div> <ul style="list-style-type: none"> <li>• travelGroups (only relevant for Cytric) <ul style="list-style-type: none"> <li>• id</li> <li>• name</li> </ul> </li> <li>• targetSystems <ul style="list-style-type: none"> <li>• agencyInterface</li> <li>• attribute1 (interface-specific configuration; available depending on interface type)</li> <li>• attribute2 (interface-specific configuration; available depending on interface type)</li> <li>• attribute3 (interface-specific configuration; available depending on interface type)</li> <li>• attribute4 (interface-specific configuration; available depending on interface type)</li> </ul> </li> <li>• reportingOfficeId</li> <li>• gwsAgencyLocation</li> </ul> |
| TRAVELLER_SETTINGS | <ul style="list-style-type: none"> <li>• defaultArranger</li> <li>• defaultTraveller</li> <li>• selfApprovalAllowed</li> <li>• approverSelectableByTraveller</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| GENERAL_SETTINGS   | <ul style="list-style-type: none"> <li>• emailDelivery</li> <li>• profileRemindersOption - only available if profile reminders feature is active on agency</li> <li>• enableSelfRegistration - only available if self registration feature is active on agency</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Get subsidiaries of a company profile

|                |                                             |
|----------------|---------------------------------------------|
| Scope          | api.profilesondemand.write                  |
| Endpoint       | api/v1/profiles/company/<uuid>/subsidiaries |
| Request method | GET                                         |

Query subsidiaries for a given company

### Parameters

| Name | Description                                               | Validation          |
|------|-----------------------------------------------------------|---------------------|
| uuid | The company UUID for which subsidiaries should be queried | Mandatory parameter |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \
"https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/company/b9321d7e-9d72-4e80-ac49-d3aa38169175/subsidiaries"
```

#### Example Response

```
[
  {
    "uuid": "da5a20c7-08db-42ae-a5e7-72737e9eb647",
    "name": "Hierarchy Child Company 2"
  },
  {
    "uuid": "2b8c21de-8e74-4d8d-b836-e904e4977c61",
    "name": "Hierarchy Child Company 1"
  }
]
```

## Create new company profile

|                |                            |
|----------------|----------------------------|
| Scope          | api.profilesondemand.write |
| Endpoint       | api/v1/profiles/company    |
| Request method | POST                       |

Create a new company profile

#### Parameters

| Name              | Description                                                                                                                 | Validation               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| returnAddSections | List of additional profile sections which should be included in the response, even if not modified by the current operation | Optional parameter (GET) |

```
curl -v -X POST \
  -H "Authorization: Bearer <token>" \
  -H "Content-Type: application/json" \
  --data '{
    "externalNr": "1337",
    "name": "Umbrella Organisation U+O AG",
    "shortname": "UMBRELLA",
    "data": {
      "contact": {
        "street": "Binzstrasse 33",
        "zipCode": "8620",
        "place": "Wetzikon",
        "countryCode": "CH"
      },
      "genericFieldValues": [
        {
          "field": {
            "uuid": "180d6569-28d8-43e1-9599-ba520e6d1fec"
          },
          "value": "1230A"
        }
      ],
      "agency": {
        "uuid": "52b166c5-4990-49bb-b1f1-d3aa38169175"
      }
    }
  }' https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/company
```

### Example response

The profile, including any sections populated by the request, will be reported back, including the newly generated UUID - see [Get company profile](#)

### Implementation notes

The data structure is the same as is output in [Get company profile](#) with the following exceptions:

- Company profile UUID cannot be provided in the JSON

For creating of a new profile, the following required properties must always be populated:

- name
- shortname

Faces will apply default validation logic as seen on our Web UI and CSV interfaces and will report validation errors to the caller without saving the profile.

## Update existing company profile

|                |                                |
|----------------|--------------------------------|
| Scope          | api.profilesondemand.write     |
| Endpoint       | api/v1/profiles/company/<uuid> |
| Request method | PATCH                          |

Updates (part of) the details of a single company profile.

## Parameters

| Name              | Description                                                                                                                 | Validation               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <uuid>            | The UUID of the profile to update                                                                                           | Required parameter       |
| returnAddSections | List of additional profile sections which should be included in the response, even if not modified by the current operation | Optional parameter (GET) |

```
curl -v -X PATCH \  
  -H "Authorization: Bearer <token>" \  
  -H "Content-Type: application/json" \  
  --data '{  
    "externalNr": "0815",  
    "name": "ACME Incorporated",  
    "shortname": "ACME-INC",  
    "data": {  
      "memberships": {  
        "airline": [{  
          "alliance": "LH",  
          "memberNumber": "DEMODEM0123",  
          "type": "SPECIAL_KEYWORD"  
        }]  
      }  
    }  
  }'  
https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/company/b9321d7e-  
9d72-4e80-ac49-d3a
```

## Implementation notes

Depending on the authorization level of the caller, it may not be possible to edit certain properties. Changes to unmodifiable properties will be silently ignored if sent.

Callers should include only the properties they wish to edit in the PATCH request. Due to underlying synchronization logic to third party systems, it is required to perform all profile modifications within one single PATCH call (i.e. do not first edit the shortname, then add a membership code as two separate API calls).

The following logic is applied when editing collections, such as memberships to allow for modification of single elements within the collection without having separate API calls for that purpose:

- If an "uuid" is supplied, the corresponding collection element is being modified
  - If there is no matching element with the given UUID, the update is ignored
- In order to remove a collection item, it's UUID is supplied, along with a property "\_operation", which is set to "remove"

In order to remove generic values from a profile, please include the field uuid or name but set the field content to empty.

## Delete company profile

|                |                                |
|----------------|--------------------------------|
| Scope          | api.profilesondemand.write     |
| Endpoint       | api/v1/profiles/company/<uuid> |
| Request method | DELETE                         |

Delete a single company profile (along with all associated traveler profiles) from Faces as well as all downline systems.

#### Parameters

| Name   | Description                       | Validation         |
|--------|-----------------------------------|--------------------|
| <uuid> | The UUID of the profile to delete | Required parameter |

```
curl -v -X DELETE \  
  -H "Authorization: Bearer <token>" \  
  
https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/company/b9321d7e-9d72-4e80-ac49-d3aa38169175
```

#### Example response

HTTP 204 "No Content" with empty body

## Search traveler profile

|                |                            |
|----------------|----------------------------|
| Scope          | api.profilesondemand.read  |
| Endpoint       | api/v1/profiles/travellers |
| Request method | GET                        |

Allows searching through a paged list of traveler profiles

#### Parameters

| Name     | Description                                                                 | Validation                      |
|----------|-----------------------------------------------------------------------------|---------------------------------|
| q        | Freetext query for finding matching profiles                                | Required parameter              |
| page     | Current page within the result set, starts at 0                             | Optional, number >= 0           |
| pageSize | Maximum number of results per page. Default 10                              | Optional, number > 0 and <= 100 |
| c        | Narrow down the search for travelers attached to a specific company profile | Optional, company UUID          |

|                |                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| scope          | Search scope                                                                                                                                         | <p>Optional, may be one of:</p> <ul style="list-style-type: none"> <li>• DEFAULT (Applies default search options as is within the Faces UI)</li> <li>• EMAIL (To look for profiles with matching E-Mail only - must be an exact match)</li> <li>• USERNAME (To look for profiles with matching Username only - must be an exact match)</li> <li>• GENERIC_FIELD (To look in a specific field from the agencies generic setup)</li> <li>• RECORD_LOCATOR (To look for profiles with matching record locator only)</li> <li>• PAPER (to look for profiles with a matching paper, e.g. a passport by number)</li> <li>• PHONE_NUMBER (To look for profiles based on a full phone number; must be provided in international format, e.g. +41449335390)<br/>Note: Please make sure to properly encode the "+" within the query string (as %2B) and do not include any formatting in the number.<br/>Faces will silently fail and return zero results if the phone number is supplied in an invalid format.</li> </ul> |
| p              | Search scope parameter                                                                                                                               | <p>Required if scope=GENERIC_FIELD: Name of the generic field to search in</p> <p>Optional for scope=RECORD_LOCATOR: System type or Label (e.g. "CSX", "GALILEO_WS", "My HR-System")</p> <p>Optional for scope=PAPER: Type of paper to search for, PASSPORT, ID_CARD or VISA</p> <p>Prohibited otherwise</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| matchType      | Search string match type                                                                                                                             | <p>Optional parameter. Controls <u>for certain scopes</u> how the search string from "q" is matched against the profile database value</p> <ul style="list-style-type: none"> <li>• EXACT_MATCH: Exact match (case sensitive)</li> <li>• CASE_INSENSITIVE_MATCH: Exact match (case insensitive)</li> <li>• PARTIAL_MATCH: Split the search string at each whitespace and search using "contains" for each substring (case insensitive).</li> </ul> <p>The parameter may be given for the following scopes and will be ignored if provided for any other scope not listed here:</p> <ul style="list-style-type: none"> <li>• GENERIC_FIELD (defaults to PARTIAL_MATCH if not provided)</li> <li>• PAPER (defaults to PARTIAL_MATCH if not provided)</li> </ul>                                                                                                                                                                                                                                                    |
| includeDetails | Specify whether the search response should include detailed profile data                                                                             | <p>Boolean value: true or false</p> <p>Optional, default: false</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| detailSections | <p>Specify additional profile areas to be returned if includeDetails is set to true.</p> <p>Only explicitly specified sections will be included.</p> | <p>Any section may be specified, with more data-heavy sections only being allowed if pageSize is &lt;= 25</p> <p>The following sections are allowed regardless of page size:</p> <ul style="list-style-type: none"> <li>• COMPANY_INFO</li> <li>• COMPANY_CONTACT_DATA</li> <li>• GENERAL_DATA</li> <li>• ROLES</li> <li>• PREFERENCES</li> <li>• COMMENT</li> <li>• HISTORY</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/travellers?q=bob
&page=0&pageSize=10"
```

#### Example response

```
{
  "moreResults": false,
  "results": [{
    "uuid": "065fe9e0-47b7-4d12-b3de-d3aa38169175",
    "fullName": "Herr Bob Builder"
  }]
}
```

## Get traveler profile

|                |                                  |
|----------------|----------------------------------|
| Scope          | api.profilesondemand.read        |
| Endpoint       | api/v1/profiles/traveller/<uuid> |
| Request method | GET                              |

Retrieves the details of a single traveler profile.

#### Parameters

| Name     | Description                                                                                       | Validation                                      |
|----------|---------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <uuid>   | The UUID of the profile to retrieve                                                               | Required parameter                              |
| sections | Areas of the profile to be returned.<br><br>Must be used to reduce the amount of data transferred | Optional, no sections will be dumped if omitted |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/traveller/065fe9e0-47b7-4d12-b3de-d3aa38169175?sections=GENERIC_FIELD_VALUES&sections=COMPANY_INFO&sections=MEMBERSHIPS"
```

### Example response

```
{
  "uuid": "065fe9e0-47b7-4d12-b3de-d3aa38169175",
  "firstname": "Bob",
  "middlename": "",
  "name": "Builder",
  "email": "bob.builder@umbrella.ch",
  "data": {
    "company": {
      "externalNr": "12345",
      "name": "Fix-It Inc",
      "uuid": "52f2b2c0-4990-49bb-b1f1-d3aa38169175"
    },
    "genericFieldValues": [
      {
        "field": {
          "uuid": "30713acf-71dc-42c8-825f-7e5be9e98fbe",
          "name": "HairColor"
        },
        "value": "Red"
      },
      {
        "field": {
          "uuid": "5aba8e80-4ae5-4efc-a5df-60303aede01e",
          "name": "FirstClassTraveler"
        },
        "value": "Y"
      }
    ],
    "memberships": {
      "flight": [{
        "alliance": "LH",
        "memberNumber": "9992123412341234",
        "pin": "",
        "uuid": "dbb387a9-b5e7-44d0-87bf-64432ee3e582"
      }],
      "rentalCar": [],
      "hotel": []
    }
  }
}
```

### Traveler profile sections overview

The following sections are currently available in accordance with our Swagger schema definition:

| Name | Contents |
|------|----------|
|------|----------|

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPANY_INFO         | <p>Information on the associated company:</p> <ul style="list-style-type: none"> <li>• UUID</li> <li>• name (read only)</li> <li>• Customer number (externalNr, read only)</li> </ul>                                                                                                                                                                                                                                                                                           |
| COMPANY_CONTACT_DATA | <p>Contact information of the associated company (read only, provided for simplicity / reduce the need to talk to the company endpoint):</p> <ul style="list-style-type: none"> <li>• Address (street, street2, zipCode, place, countryCode)</li> <li>• phone</li> <li>• fax</li> <li>• E-Mail (email, email2, email3)</li> </ul>                                                                                                                                               |
| GENERAL_DATA         | <p>General profile information:</p> <ul style="list-style-type: none"> <li>• gender</li> <li>• title</li> <li>• sex</li> <li>• greeting (see: <a href="#">Traveler "greeting" structure handling</a>) <ul style="list-style-type: none"> <li>• commonTitle</li> <li>• formalTitle</li> <li>• compoundTitle</li> </ul> </li> <li>• language</li> <li>• Phones (businessPhone, privatePhone, mobilePhone)</li> <li>• email</li> <li>• birthdate</li> <li>• nationality</li> </ul> |
| GENERIC_FIELD_VALUES | <p>Values (where filled) from the generic setup</p> <ul style="list-style-type: none"> <li>• field (name, uuid)</li> <li>• value</li> </ul> <p>Note: Updates to generic field values are possible using either the field name or field uuid. Using the uuid is preferred since it is guaranteed to be unique, whereas name may not be unique or simply not set in some edge cases.</p>                                                                                          |
| MEMBERSHIPS          | <p>Flight, Hotel and Rentalcar-Memberships with:</p> <ul style="list-style-type: none"> <li>• alliance-code</li> <li>• membernumber</li> <li>• pin (Flight memberships only)</li> </ul>                                                                                                                                                                                                                                                                                         |
| PASSPORT             | Passport(s) as shown in Faces UI                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| VISA                 | Visa information as shown in Faces UI                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ID_CARD              | Identification Cards as shown in Faces UI                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EMERGENCY_CONTACT    | <p>Emergency contact:</p> <ul style="list-style-type: none"> <li>• firstname, lastname</li> <li>• phone</li> <li>• email</li> </ul>                                                                                                                                                                                                                                                                                                                                             |
| ARRANGER_CONTACTS    | <p>Arranger contact(s):</p> <ul style="list-style-type: none"> <li>• displayText</li> <li>• contactUuid: (Referenced Traveller UUID) - may be empty in case Faces is still awaiting the profile to be delivered from an external system</li> </ul>                                                                                                                                                                                                                              |
| APPROVER_CONTACTS    | <p>Approver contact(s):</p> <ul style="list-style-type: none"> <li>• displayText</li> <li>• contactUuid: (Referenced Traveller UUID) - may be empty in case Faces is still awaiting the profile to be delivered from an external system</li> </ul>                                                                                                                                                                                                                              |
| ROLES                | <p>Roles as show in Faces UI with the respective checkboxes (true/false):</p> <ul style="list-style-type: none"> <li>• traveller</li> <li>• arranger</li> <li>• approver</li> </ul>                                                                                                                                                                                                                                                                                             |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PREFERENCES              | <p>Preferences:</p> <ul style="list-style-type: none"> <li>• smoker</li> <li>• preferredSeat (A or W)</li> <li>• preferredFood (4-Letter code)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CREDIT_CARDS             | <p>Credit card related information:</p> <ul style="list-style-type: none"> <li>• creditCards <ul style="list-style-type: none"> <li>• type (DC, AX, VI, CA, TP, JC, DS)</li> <li>• maskedNumber</li> <li>• expiratoIn</li> <li>• remark</li> <li>• publishAsFop</li> <li>• nameOnCard</li> </ul> </li> <li>• webCard reference</li> <li>• hotelGuarantee reference</li> <li>• carGuarantee reference</li> <li>• railFormOfPayment reference - only available if rail feature is active in agency configuration</li> </ul>                                                                                                                                                                                                                                      |
| RAIL_INFORMATION         | <p>Rail related information - only available if rail feature is active in agency configuration</p> <ul style="list-style-type: none"> <li>• preferredClass</li> <li>• preferredSeat (A or W)</li> <li>• railCards <ul style="list-style-type: none"> <li>• type</li> <li>• number</li> <li>• expiration</li> <li>• class</li> <li>• collectBonusPoints</li> <li>• validFromStation</li> <li>• validToStation</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                            |
| RESIDENT_INFORMATION     | <p>(Spanish) Resident Information - only available if spanish resident feature is active in agency configuration</p> <ul style="list-style-type: none"> <li>• area</li> <li>• areaCode</li> <li>• cardType</li> <li>• cardNumber</li> <li>• firstname</li> <li>• firstSurname</li> <li>• secondSurname</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TRAVEL_GROUP_ASSIGNMENTS | <p>Travel group assignments - will only be populated if profile is synchronized to Cytric:</p> <ul style="list-style-type: none"> <li>• groupId (Note: Will be the same for all group assignments)</li> <li>• role</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| COMMENT                  | <p>Comment on profile - only available to agency managers</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HISTORY                  | <p>History (Read Only):</p> <ul style="list-style-type: none"> <li>• lastModified (timestamp)</li> <li>• history (Only available to agency managers)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PUBLISH_STATES           | <p>Publish States (Read Only):</p> <ul style="list-style-type: none"> <li>• label</li> <li>• lastPublished (timestamp)</li> <li>• recordLocator</li> <li>• lastPublishState</li> <li>• faultIndicator</li> </ul> <p>The Fault indicator will be one of</p> <ul style="list-style-type: none"> <li>• OK (Everything in order, no special state)</li> <li>• QUEUED (Everything in order, but profile is currently queued for publishing)</li> <li>• INTENTIONALLY_NOT_PUBLISHED (Profile is in a "desired" fault state (Publishing rejected / Profile processed by remote endpoint with warnings))</li> <li>• TIMESTAMP_ISSUE (Profile has an error which is based on timestamp mismatches)</li> <li>• GENERAL_ERROR (The publish state is in error.)</li> </ul> |

|                |                                                                                                                                                                                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNUSED_TICKETS | Unused ticket information - only available if Magnatech is active on agency (Read Only): <ul style="list-style-type: none"> <li>• carrier</li> <li>• expiryDate</li> <li>• fare</li> <li>• pnr</li> <li>• ticketNumber</li> </ul> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Traveler "greeting" structure handling

Umbrella Faces logically divides a greeting into common title and formal title. The common title is restricted to a predefined list (please see the swagger document for the most up to date list), whereas the formal title allows storage of freetext title information with the limitation of only showing certain formal titles in the UI.

Depending on the [travel agency setup](#), not all combinations of common / formal title are supported by the [Faces UI](#). It's best to consult with the travel agency on their setup to ensure a consistent user experience.

The common titles referenced in the swagger definition are generally valid for every agency.

Please refer to the following table:

▼ [Formal Titles](#)

| Formal Title | Title Structure "Default" | Title Structure "Compound" * |
|--------------|---------------------------|------------------------------|
| Master       | ✗ Not supported           | ✓ Supported                  |
| Mx           | ✗ Not supported           | ✓ Supported                  |
| DR           | ✓ Supported               | ✓ Supported                  |
| PROF         | ✓ Supported               | ✓ Supported                  |
| Rev          | ✗ Not supported           | ✓ Supported                  |
| Sir          | ✗ Not supported           | ✓ Supported                  |
| Lord         | ✗ Not supported           | ✓ Supported                  |
| Lady         | ✗ Not supported           | ✓ Supported                  |

\* Titles are supported, if no commonTitle is set. Since for "Compound" the UI is only using a single drop-down it is not possible to display a title such as MR DR.

## Using compoundTitle vs commonTitle & formalTitle

Umbrella Faces in it's backend always stores the compoundTitle, but transparently derives common and formal title in API requests using the following general format: compoundTitle = trim(commonTitle + " " + formalTitle).

When updating a profile in Umbrella Faces, it is important to only send **either** the compoundTitle or commonTitle / formalTitle but never both structures.

▼ [API Request Examples](#)

| compoundTitle in API request | resulting commonTitle | resulting formalTitle | Remarks                                                                                                                                                                                                                                                                                               |
|------------------------------|-----------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MS                           | MS                    |                       |                                                                                                                                                                                                                                                                                                       |
| MR DR                        | MR                    | DR                    | If the travel agency is using title structure "Compound", the stored value will not be visible in the UI since "MR DR" is unsupported                                                                                                                                                                 |
| MISS Lady                    | MISS                  | Lady                  | Not supported by the Faces UI - would show as follows: <ul style="list-style-type: none"> <li>• Title Structure Default: "Lady" would not be visible in the UI</li> <li>• Title Structure Compound: Title in the UI would be shown as "-" since a combination of "MISS Lady is unsupported</li> </ul> |

|          |           |          |                                                                                                                         |
|----------|-----------|----------|-------------------------------------------------------------------------------------------------------------------------|
| PROF MRS | UNDEFINED | PROF MRS | Invalid request results in incorrect parsing since the commonTitle is to be sent as the first part of the compoundTitle |
| PROF     | UNDEFINED | PROF     |                                                                                                                         |
| Rev      | UNDEFINED | Rev      | If the travel agency is using title structure "Default", the stored value will not be visible in the UI                 |

## Greeting validation

It is important to note that the commonTitle is **mandatory** whenever sex is set to MALE or FEMALE *if* the agency is using Title Structure "Default". Should you create / update a profile using compoundTitle, you might still get an errorMessage for greeting.commonTitle in case the supplied compoundTitle can not be derived into a valid commonTitle.

## Create new traveler profile

|                |                            |
|----------------|----------------------------|
| Scope          | api.profilesondemand.write |
| Endpoint       | api/v1/profiles/traveller  |
| Request method | POST                       |

Create a new traveler profile

### Parameters

| Name              | Description                                                                                                                 | Validation               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| returnAddSections | List of additional profile sections which should be included in the response, even if not modified by the current operation | Optional parameter (GET) |

### Example request

```
curl -v -X POST \
  -H "Authorization: Bearer <token>" \
  -H "Content-Type: application/json" \
  --data '{
    "username": "bob.builder",
    "firstname": "Bob",
    "middlename": "",
    "name": "Builder",
    "data": {
      "contacts": {
        "emergencyContact": {
          "firstname": "Dizzy",
          "phone": "+414412355889",
          "email": "dizzy@umbrella.ch",
          "lastname": "Mixer"
        }
      },
      "generalData": {
        "birthdate": "03.05.1973",
        "gender": "MR",
        "mobilePhone": "",
        "nationality": "CH",
        "language": "de_CH",
        "privatePhone": ""
      }
    }
  }
```

```

        "businessPhone": "",
        "title": "",
        "email": "bob.builder@umbrella.ch"
    },
    "company": {
        "uuid": "52f2b2c0-4990-49bb-b1f1-d3aa38169175"
    },
    "papers": {
        "visas": [{
            "country": "US",
            "number": "8123789",
            "entryType": "MULTIPLE",
            "expiration": "01.03.2020",
            "issueDate": "01.09.2019"
        },
        {
            "country": "AE",
            "number": "XXEE1123",
            "entryType": "",
            "expiration": "31.10.2020",
            "issueDate": "09.03.2020"
        }
    ],
    "idCards": [{
        "country": "CH",
        "number": "123456",
        "expiration": "31.12.2030",
        "issueDate": "01.01.2020"
    }],
    "passports": [{
        "country": "CH",
        "number": "X12345",
        "issueCountry": "CH",
        "expiration": "31.12.2029",
        "issueDate": "01.01.2019",
        "issuePlace": "Zurich",
        "primary": true
    },
    {
        "country": "CH",
        "number": "X999999",
        "issueCountry": "CH",
        "expiration": "31.12.2029",
        "issueDate": "01.01.2019",
        "issuePlace": "Zurich",
        "primary": false
    }
    ],
    "genericFieldValues": [
        {
            "field": {
                "uuid": "afee4339-3c12-412a-9504-fb475bed71ab",

```

```

        "name": "EmailPersonal"
    },
    "value": "bob@hasnoemail.com"
},
{
    "field": {
        "uuid": "5e4f3887-5a46-4625-9658-99e579f6c41b",
        "name": "AARPRate"
    },
    "value": "false"
},
{
    "field": {
        "uuid": "5294be6b-b4d6-4890-8b1f-40e16ab37e25",
        "name": "PreferWheelchairAccess"
    },
    "value": "false"
},
{
    "field": {
        "uuid": "da0de48e-70c8-4ddb-b334-f2de7bdb2109",
        "name": "MilitaryRate"
    },
    "value": "false"
},
{
    "field": {
        "uuid": "4577bf5f-d3b3-4f2b-9b4e-5eff858dfff77",
        "name": "SectionPositionCode"
    },
    "value": "Bulkhead"
},
{
    "field": {
        "uuid": "173704e3-7d5c-492e-b206-3d4e2d50e45a",
        "name": "RuleClass"
    },
    "value": "Default Travel Class"
}
],
"memberships": {
    "flight": [{
        "alliance": "EI",
        "memberNumber": "1199223123"
    },
    {
        "alliance": "LH",
        "memberNumber": "999999912317"
    }
],
"rentalCar": [{
    "alliance": "EP",
    "memberNumber": "E111221"

```

```
}},  
  "hotel": [{  
    "alliance": "AL",  
    "memberNumber": "LL18675"  
  },  
  {  
    "alliance": "RT",  
    "memberNumber": "A123F"  
  }  
]  
]
```

```
}  
}  
' https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/traveller
```

### Example response

The profile, including any sections populated by the request, will be reported back, including the newly generated UUID - see [Get traveler profile](#)

### Implementation Notes

The data structure is the same as is output in [Get traveler profile](#) with the following exceptions:

- Traveler profile UUID cannot be provided in the JSON
- "email" has to be sent in generalData, values in the root-level property "email" will be ignored

For creating of a new profile, the following required properties must always be populated:

- company.uuid
- username
- firstname
- name
- generalData.gender

Faces will apply default validation logic as seen on our Web UI and CSV interfaces and will report validation errors to the caller without saving the profile.

When adding a passport which should at the same time be added on a visa as linkedPassport, the following format has to be used to reference the passport (as no UUID is yet available): newpp-<2-letter-country code>-<passport number>

Example: newpp-CH-X12345678

## Update existing traveler profile

|                |                                  |
|----------------|----------------------------------|
| Scope          | api.profilesondemand.write       |
| Endpoint       | api/v1/profiles/traveller/<uuid> |
| Request method | PATCH                            |

Updates (part of) the details of a single traveler profile.

### Parameters

| Name              | Description                                                                                                                 | Validation               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <uuid>            | The UUID of the profile to update                                                                                           | Required parameter       |
| returnAddSections | List of additional profile sections which should be included in the response, even if not modified by the current operation | Optional parameter (GET) |

### Example request

```
curl -v -X PATCH \
  -H "Authorization: Bearer <token>" \
  -H "Content-Type: application/json" \
  --data '{
    "username": "bobby.builder",
    "firstname": "Bobby",
    "data": {
      "contacts": {
        "emergencyContact": {
          "firstname": "",
          "phone": "",
          "email": "",
          "lastname": ""
        }
      },
      "generalData": {
        "birthdate": "04.05.1973",
        "email": "bobby.builder@umbrella.ch"
      },
      "papers": {
        "visas": [{
          "country": "US",
          "number": "8123789",
          "entryType": "MULTIPLE",
          "expiration": "01.03.2020",
          "issueDate": "01.09.2019",
          "uuid": "44f2ee67-eba5-4b29-9dfa-76e7eb97de39"
        },
        {
          "_operation": "remove",
          "uuid": "1eed6a49-f8e8-4441-b3ce-312f4dd1cd73"
        }
      ]
    },
    "genericFieldValues": [
      {
        "field": {
          "uuid": "afee4339-3c12-412a-9504-fb475bed71ab",
          "name": "EmailPersonal"
        },
        "value": "bobby@hasnoemail.com"
      }
    ]
  }'
https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/traveller/ceb545fd-5000-4f44-93dd-47a272f6f25a
```

## Example response

Example Response: The profile will be reported back, including information on all modified profile sections, see [Get traveler profile](#)

## Implementation notes

Depending on the authorization level of the caller, it may not be possible to edit certain properties (e.g. a traveller may not edit the username, but an agency administrator may do so) - changes to unmodifiable properties will be silently ignored if sent.

Callers should include only the properties they wish to edit in the PATCH request. Due to underlying synchronization logic to third party systems, it is required to perform all profile modifications within one single PATCH call (i.e. do not first edit the username, then add a passport as two separate API calls).

The following logic is applied when editing collections, such as visas or passports to allow for modification of single elements within the collection without having separate API calls for that purpose:

- If an "uuid" is supplied, the corresponding collection element is being modified
  - If there is no matching element with the given UUID, the update is ignored
- In order to remove a collection item, it's UUID is supplied, along with a property "\_operation", which is set to "remove"

In order to remove generic values from a profile, please include the field name or uuid but set the field content to empty.

When adding a passport which should at the same time be added on a visa as linkedPassport, the following format has to be used to reference the passport (as no UUID is yet available): newpp-<2-letter-country code>-<passport number>

Example: newpp-CH-X12345678

## Delete traveler profile

|                |                                  |
|----------------|----------------------------------|
| Scope          | api.profilesondemand.write       |
| Endpoint       | api/v1/profiles/traveller/<uuid> |
| Request method | DELETE                           |

Delete a single traveler profile from Faces as well as all downline systems.

## Parameters

| Name   | Description                       | Validation         |
|--------|-----------------------------------|--------------------|
| <uuid> | The UUID of the profile to delete | Required parameter |

```
curl -v -X DELETE \  
  -H "Authorization: Bearer <token>" \  
  
https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/traveller/ceb545fd-5000-4f44-93dd-47a272f6f25a
```

## Example response

HTTP 204 "No Content" with empty body

## Plaintext Credit Card API

This API is an extension to the Profiles API and allows to send and receive plaintext credit card information from / to Umbrella Faces.

Partners wishing to use these APIs will be required proof their adherence to the PCI DSS security standards and will receive a custom endpoint from our credit card tokenization partner Midoco, which will ensure PCI compliance and forward card data from / to Umbrella

Faces.

## PCI Compliance Concept

Umbrella Faces itself is not holding any plaintext credit card numbers. Only credit card tokens are stored and need to be forwarded via our partner Midoco, which handles the tokenization and detokenization from / to plaintext data.

As a direct result of this, any partners wanting to exchange credit card numbers with Umbrella Faces will need to direct any API-Calls containing plaintext card numbers in either the request or response via Midoco.

In order to facilitate this design, the Plaintext Credit Card API exposes credit card information within separate API-Calls, with our regular Profiles on Demand API only exposing masked card numbers at most

## Retrieve plaintext credit card data

|                |                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Scopes         | api.profilesondemand.read<br>api.profilesondemand.ccaccess                                                       |
| Endpoints      | {midoco_proxy_url}/traveller/<uuid>/creditcard/{ccUuid}<br>{midoco_proxy_url}/company/<uuid>/creditcard/{ccUuid} |
| Request method | GET                                                                                                              |

Fetch plaintext credit card data from a company or traveler profile.

### Parameters

| Name   | Description                                                                                                                                                                                        | Validation         |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| uuid   | Owning (company / traveler) profile UUID                                                                                                                                                           | Required parameter |
| ccUuid | Specific credit card UUID as obtained from the CREDIT_CARDS section of the profile.<br>See: <a href="#">Company profile sections overview</a> , <a href="#">Traveler profile sections overview</a> | Required parameter |

### Example request

```
curl -v -H "Authorization: Bearer <token>" \  
  
{midoco_proxy_url}/traveller/ceb545fd-5000-4f44-93dd-47a272f6f25a/creditca  
rd/eff37a66-4217-4762-a3be-2a9177fba9fc
```

### Example response

```
{  
  "uuid": "bd380903-2e49-4920-9823-45626357c367",  
  "type": "VI",  
  "maskedNumber": "4444XXXXXXXX1111",  
  "number": "4444333322221111",  
  "expiration": "12/25",  
  "remark": "",  
  "publishAsFop": false  
}
```

## Store credit card number

|                |                                                             |
|----------------|-------------------------------------------------------------|
| Scopes         | api.profilesondemand.write<br>api.profilesondemand.ccaccess |
| Endpoints      | {midoco_proxy_url}/creditcard/store                         |
| Request method | POST                                                        |

Send a new or updated credit card number and retrieve a transaction number to be used for company or traveller profile update via separate API call.

### Example request

```
curl -v -X POST \  
  -H "Authorization: Bearer <token>" \  
  -H "Content-Type: application/json" \  
  --data '{  
    "type": "VI",  
    "number": "4444333322221111"  
  }' {midoco_proxy_url}/creditcard/store
```

### Example response

```
{  
  "transactionId": "ccTok-75cb0e1c-6640-4622-82bd-fed07fd1ca59",  
  "validUntil": "10.09.2021T13:37:69Z"  
}
```

## Example: Add previously stored credit card number to traveler profile

After sending a credit card number to Faces and receiving a transactionId in return, the transactionId may be used exactly once (up until the time indicated by the "validUntil" field) in a request to add or update a credit card on a company or traveler profile.

### Example request

```
curl -v -X PATCH \  
  -H "Authorization: Bearer <token>" \  
  -H "Content-Type: application/json" \  
  --data '{  
    "data": {  
      "creditCardInfo": {  
        "creditCards": [{  
          "updatedNumberReference":  
"ccTok-75cb0e1c-6640-4622-82bd-fed07fd1ca59",  
          "expiration": "12/25",  
          "publishAsFop": true  
        }],  
        "webCard": {  
          "@type": "own-card",  
          "uuid": "6e6259b9-4fa9-41c7-8a7b-f5d68df8f38b"  
        },  
        "hotelGuarantee": {  
          "@type": "own-card",  
          "uuid": "ccTok-75cb0e1c-6640-4622-82bd-fed07fd1ca59"  
        },  
        "carGuarantee": {  
          "@type": "company-card"  
        }  
      }  
    }  
  }'  
https://hurricane.umbrellanet.ch/uf-test/api/v1/profiles/traveller/ceb545f  
d-5000-4f44-93dd-47a272f6f25a
```

### Example Response

```
{
  "uuid": "ceb545fd-5000-4f44-93dd-47a272f6f25a",
  "username": "demo.user",
  "firstname": "Demo",
  "name": "Traveller",
  "email": "demo@umbrella.ch",
  "data": {
    "creditCardInfo": {
      "creditCards": [{
        "uuid": "bcf0cfc2-5262-4996-98fb-f9a2ca8dc7a4",
        "type": "VI",
        "maskedNumber": "4444XXXXXXXX1111",
        "expiration": "12/25",
        "remark": "",
        "publishAsFop": true
      }, {
        "uuid": "6e6259b9-4fa9-41c7-8a7b-f5d68df8f38b",
        "type": "VI",
        "maskedNumber": "4242XXXXXXXX4242",
        "expiration": "12/25",
        "remark": "",
        "publishAsFop": true
      }],
      "webCard": {
        "@type": "own-card",
        "uuid": "6e6259b9-4fa9-41c7-8a7b-f5d68df8f38b",
        "maskedNumber": "4242XXXXXXXX4242"
      },
      "hotelGuarantee": {
        "@type": "own-card",
        "uuid": "bcf0cfc2-5262-4996-98fb-f9a2ca8dc7a4",
        "maskedNumber": "4444XXXXXXXX1111"
      },
      "carGuarantee": {
        "@type": "company-card",
        "uuid": "0d67e63f-a8a6-4a73-b826-d815a04aaedd",
        "maskedNumber": "5200XXXXXXXX0007"
      }
    }
  }
}
```

## Configuration management API

This API is complimentary to the Profiles API and allows to query Umbrella Faces for defined settings on company / agency level

Within the Swagger documentation you'll see additional parameters and/or methods for some of these APIs which are only to be used internally.

## Get generic setup for travel agency

|                |                                          |
|----------------|------------------------------------------|
| Scopes         | api.profilesondemand.read                |
| Endpoints      | api/v1/configuration/setup/agency/{uuid} |
| Request method | GET                                      |

Fetch the generic setup of a travelagency tailored to the access level of the calling user / application

### Parameters

| Name        | Description                                                                        | Validation                          |
|-------------|------------------------------------------------------------------------------------|-------------------------------------|
| <uuid>      | The UUID of the travelagency                                                       | Required parameter                  |
| profileType | May be used to restrict the response to configuration for a specific profile type. | OptionalOne of TRAVELLER, CORPORATE |

### Example request

```
curl -v -H "Authorization: Bearer <token>" \
"https://hurricane.umbrellanet.ch/uf-test/api/v1/configuration/setup/agenc
y/f4cbed76-873c-4499-be0c-f8f60745d529"
```

### Example Response

```
{
  "groups": [
    {
      "uuid": "cf34a9d2-b004-4d1e-9d8f-7533d4d1c769",
      "groupType": {
        "@type": "custom"
      },
      "sequence": 0,
      "defaultLabel": "- custom -",
      "labels": {},
      "fields": [
        {
          "uuid": "2a9b7a89-da2b-428f-b193-334ab32c6004",
          "name": "ACECRMU2",
          "sequence": 1,
          "internalCode": "",
          "profileType": "UNDEFINED",
          "editable": true,
          "defaultLabel": "ACECRM-U2:",
          "labels": {}
        }
      ]
    }
  ]
}
```

```

    "fieldType": "INPUT",
    "elective": "COMPANY_SPECIFIC",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "3b1c0373-ae07-4eeb-ba64-2fd360be5e18",
    "name": "ACECRMU7",
    "sequence": 2,
    "internalCode": "",
    "profileType": "UNDEFINED",
    "editable": true,
    "defaultLabel": "Kostenstelle",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "COMPANY_SPECIFIC",
    "validation": {
      "@type": "none"
    }
  }
]
},
{
  "uuid": "1962421b-7acd-4d49-953c-3d2f6186532c",
  "groupType": {
    "@type": "custom"
  },
  "sequence": 5,
  "defaultLabel": "- custom -",
  "labels": {},
  "fields": [
    {
      "uuid": "c31e2354-b88a-4cab-aba0-9e58106ef572",
      "name": "businesszip",
      "sequence": 2,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "business_zip",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    }
  ],
  {
    "uuid": "308c79c9-e9d4-4334-8a08-6727b5a1e6ef",
    "name": "businessstreet",
    "sequence": 1,
    "internalCode": "",
    "profileType": "TRAVELLER",

```

```
"editable": true,
"defaultLabel": "business_street",
"labels": {},
"fieldType": "INPUT",
"elective": "OPTIONAL",
"validation": {
  "@type": "none"
}
},
{
  "uuid": "9beaa003-32cd-4cd6-a2f7-8ab509ae649f",
  "name": "businessfax",
  "sequence": 5,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "business_fax",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "fd71e67f-8dad-4b90-a7b3-9fdbb33377f0",
  "name": "businesscompany",
  "sequence": 0,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "business_company",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "d55f5e03-b7f5-4340-925a-4bdf9e559ba",
  "name": "businesscity",
  "sequence": 4,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "business_city",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
}
```

```

    },
    {
      "uuid": "d919c496-8e69-4446-a5d6-c789d39e6ce1",
      "name": "businesscountry",
      "sequence": 3,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "business_country",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    }
  ]
},
{
  "uuid": "5ebf2ff7-60bd-4dd4-b20c-1ba6a96ddf12",
  "groupType": {
    "@type": "integrated",
    "key": "traveller.adminheader"
  },
  "sequence": 6,
  "defaultLabel": "Administration",
  "labels": {
    "sv_SE": "Administration",
    "es_ES": "Administración",
    "fr_BE": "Administration",
    "nl_NL": "Administration",
    "hu_HU": "Adminisztráció",
    "de_CH": "Administration",
    "it_CH": "Amministrazione",
    "de_DE": "Administration",
    "kl_GL": "Aqutsisoqarfik",
    "cs_CZ": "Správa",
    "da_DK": "Administration",
    "pl_PL": "Administracja",
    "sk_SK": "Administrácia",
    "it_IT": "Amministrazione",
    "pt_PT": "Administration",
    "fr_FR": "Administration",
    "en_US": "Administration",
    "de_AT": "Administration",
    "fr_CH": "Administration",
    "en_GB": "Administration",
    "nl_BE": "Administration"
  },
  "fields": [
    {
      "uuid": "c8933052-5368-498e-920e-079d183fdab4",
      "name": "emergencycountry",

```

```

    "sequence": 1,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "emergency_country",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "99880000-4c5c-4624-b5a3-5078e9523da1",
    "name": "emergencyrelationship",
    "sequence": 0,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "emergency_relationship",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
],
{
  "uuid": "a11220d3-747a-49be-aa65-027759306372",
  "groupType": {
    "@type": "integrated",
    "key": "general.header_general"
  },
  "sequence": 2,
  "defaultLabel": "General",
  "labels": {
    "sv_SE": "Generell",
    "es_ES": "General",
    "fr_BE": "Général",
    "nl_NL": "Allgemein",
    "hu_HU": "Általános",
    "de_CH": "Allgemein",
    "it_CH": "Generale",
    "de_DE": "Allgemein",
    "kl_GL": "Tamanut atuuttoq",
    "cs_CZ": "Obecné",
    "da_DK": "Generelt",
    "pl_PL": "Ogólne",
    "sk_SK": "Všeobecné",
    "it_IT": "Generale",
    "pt_PT": "Allgemein",
  }
}

```

```
"fr_FR": "Général",
"en_US": "General",
"de_AT": "Allgemein",
"fr_CH": "Général",
"en_GB": "General",
"nl_BE": "Allgemein"
},
"fields": [
  {
    "uuid": "1477c9bf-67cd-441b-9cbc-25f9921a1363",
    "name": "ShareContactEmail",
    "sequence": 10,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "ShareContactEmail",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "59b40426-3ea1-4f19-b778-1b3aca65c650",
    "name": "EMailPreferences",
    "sequence": 4,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "EMailPreferences",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "4a1ff93e-95ae-40eb-95e9-f199cde96f18",
    "name": "firstAdditionalEMail",
    "sequence": 2,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "firstAdditionalEMail",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
],
```

```
{
  "uuid": "c264f074-a28b-4c10-8665-662a407c6f45",
  "name": "CustomerType",
  "sequence": 7,
  "internalCode": "CUSTOMER_TYPE",
  "profileType": "CORPORATE",
  "editable": true,
  "defaultLabel": "Customer Type",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "MANDATORY",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "f3a21ea3-9f41-456a-a9f2-63929569e734",
  "name": "personalDataGender",
  "sequence": 11,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "personalDataGender",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "010cd7d5-e551-4105-9ac9-32bc3c65cb36",
  "name": "secondAdditionalEmail",
  "sequence": 3,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "secondAdditionalEmail",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "a91124f3-af85-407c-bbef-e6021ba28928",
  "name": "ReviewPublish",
  "sequence": 6,
  "internalCode": "",
  "profileType": "CORPORATE",
  "editable": true,
  "defaultLabel": "Reviewed for publishing",
```

```

    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "ea1650bf-abdf-420f-ba7b-f156a1b7fea7",
    "name": "externalReference",
    "sequence": 1,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "externalReference",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "0c4c4f73-18dd-490b-8ee5-42896e41b819",
    "name": "corpcard",
    "sequence": 7,
    "internalCode": "",
    "profileType": "CORPORATE",
    "editable": true,
    "defaultLabel": "corpcard",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "8d8b05a7-f1b5-4933-8e4f-713f2e76ea64",
    "name": "ShareContactMobilePhone",
    "sequence": 9,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "ShareContactMobilePhone",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {

```

```

    "uuid": "df628948-5fbe-4c0c-8ee4-c632ae3f46da",
    "name": "MigrationCompanyCSXLocator",
    "sequence": 5,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "Migration Company CSX Locator",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "c2bf0704-af6a-4528-afbd-64888c5a226b",
    "name": "ShareContactMobile",
    "sequence": 8,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "ShareContactMobile",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
],
{
  "uuid": "ac7fe1f2-6f9b-486a-bd3e-9afe5f2df612",
  "groupType": {
    "@type": "custom"
  },
  "sequence": 1,
  "defaultLabel": "- custom -",
  "labels": {},
  "fields": [
    {
      "uuid": "db59b7f8-a5bc-4bac-8c02-3821887a6de7",
      "name": "AZBusinessConnect",
      "sequence": 6,
      "internalCode": "",
      "profileType": "CORPORATE",
      "editable": true,
      "defaultLabel": "AZ Business Connect",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    }
  ]
}

```

```
}
},
{
  "uuid": "3d3f24b5-6ea1-45cf-9299-b292410c044d",
  "name": "SKDiscountNumber",
  "sequence": 4,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "SK Discount Number",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "e6270152-f76b-43b0-9f65-9a971ddbc8de",
  "name": "AFDiscountType",
  "sequence": 1,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "AF discount type",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "4bf56d9f-cc23-4301-834e-14d76bc2b883",
  "name": "SKdiscounttype",
  "sequence": 3,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "SK discount type",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "09118f74-da47-473b-b0f7-4fa35dd2f4c4",
  "name": "CLID",
  "sequence": 7,
  "internalCode": "",
  "profileType": "CORPORATE",
```

```

    "editable": true,
    "defaultLabel": "BA ON Business Programm",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "99790f31-cf66-4087-92e9-9ab78bf92ffc",
    "name": "SKDiscountExpiry",
    "sequence": 5,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "SK Discount Expiry",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "e77fc72d-a0b9-4071-8e82-c6b9a3b34a7e",
    "name": "AFDiscountNumber",
    "sequence": 2,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "AF Discount Number",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "8a483067-c9d3-472a-97fd-525913c1d2f7",
    "name": "AFDiscountExpiry",
    "sequence": 3,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "AF Discount Expiry",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
}

```

```

    }
  ]
},
{
  "uuid": "6ac22c42-0591-425f-9dcd-80def2ca5c3c",
  "groupType": {
    "@type": "custom"
  },
  "sequence": 3,
  "defaultLabel": "- custom -",
  "labels": {},
  "fields": [
    {
      "uuid": "2bf4ca15-d63b-4321-8bf1-3908ce0c7dec",
      "name": "homezip",
      "sequence": 2,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "home_zip",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    },
    {
      "uuid": "21e62d40-4dc7-4bee-bd98-1ad4fe2c6e08",
      "name": "homestreet",
      "sequence": 1,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "home_street",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    },
    {
      "uuid": "40f98eb6-11e1-4673-9127-b4708f6a4a95",
      "name": "homecity",
      "sequence": 3,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "home_city",
      "labels": {},
      "fieldType": "INPUT",
      "elective": "OPTIONAL",

```

```
"validation": {
  "@type": "none"
},
{
  "uuid": "38c43aac-0969-4e11-ba48-a4c04934b059",
  "name": "homemobile",
  "sequence": 7,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "home_mobile",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "d9673c6b-01df-4e03-ba04-144758cc1431",
  "name": "homeemail",
  "sequence": 5,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "home_email",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "d978a9cd-6909-4ae1-94ea-4dfbf0c03c08",
  "name": "homecountry",
  "sequence": 4,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "home_country",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
}
],
{
  "uuid": "8744e74c-29c9-4009-8629-036d01d5f2cd",
```

```

"groupType": {
  "@type": "integrated",
  "key": "general.header_prefs"
},
"sequence": 7,
"defaultLabel": "Preferences",
"labels": {
  "sv_SE": "Önskemål",
  "es_ES": "Preferencias",
  "fr_BE": "Préférences",
  "nl_NL": "Präferenzen",
  "hu_HU": "Felhasználói beállítások",
  "de_CH": "Präferenzen",
  "it_CH": "Preferenze",
  "de_DE": "Präferenzen",
  "kl_GL": "Sallinngortitat",
  "cs_CZ": "Preference",
  "da_DK": "Præferencer",
  "pl_PL": "Preferencje",
  "sk_SK": "Preferencie",
  "it_IT": "Preferenze",
  "pt_PT": "Präferenzen",
  "fr_FR": "Préférences",
  "en_US": "Preferences",
  "de_AT": "Präferenzen",
  "fr_CH": "Préférences",
  "en_GB": "Preferences",
  "nl_BE": "Präferenzen"
},
"fields": [
  {
    "uuid": "04fd37a1-5ba3-4f4f-b913-3faca9126b25",
    "name": "SpecialMeal",
    "sequence": 1,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "Special Meal",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "bb413949-4a27-4d02-ba3b-f7d28e291516",
    "name": "ProfileNotesLine5",
    "sequence": 2,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "Profile Notes Line 5",

```

```

    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "5053d9fa-94bb-4ab0-8566-29913ac0c997",
    "name": "AirPreferencesDepartureCode",
    "sequence": 0,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "AirPreferences_DepartureCode",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  },
  {
    "uuid": "e265e6ee-7411-475c-83fd-343a64142d2b",
    "name": "defaultDepartureRailStation",
    "sequence": 3,
    "internalCode": "",
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "defaultDepartureRailStation",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
]
},
{
  "uuid": "2fd4d092-2ac4-4ea2-b8b2-5e58794b2de5",
  "groupType": {
    "@type": "integrated",
    "key": "traveller.papersheader"
  },
  "sequence": 4,
  "defaultLabel": "Travel documents",
  "labels": {
    "sv_SE": "Resedokument",
    "es_ES": "Documentos de viaje",
    "fr_BE": "Documents de voyage",
    "nl_NL": "Reisedokumente",
    "hu_HU": "Úti okmányok",
  }
}

```

```

"de_CH": "Reisedokumente",
"it_CH": "Documenti di viaggio",
"de_DE": "Reisedokumente",
"kl_GL": "Angalanermi uppernarsaatit",
"cs_CZ": "Cestovní dokumenty",
"da_DK": "Rejsedokumenter",
"pl_PL": "Dokumenty podróży",
"sk_SK": "Cestovné doklady",
"it_IT": "Documenti di viaggio",
"pt_PT": "Reisedokumente",
"fr_FR": "Documents de voyage",
"en_US": "Travel documents",
"de_AT": "Reisedokumente",
"fr_CH": "Documents de voyage",
"en_GB": "Travel documents",
"nl_BE": "Reisedokumente"
},
"fields": [
{
  "uuid": "daa42851-7c30-495f-b261-513a1edd1c44",
  "name": "passportgender",
  "sequence": 2,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "passport_gender",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "34ba6782-4203-4920-9a86-1dcd9813a559",
  "name": "redressNumber",
  "sequence": 1,
  "internalCode": "",
  "profileType": "TRAVELLER",
  "editable": true,
  "defaultLabel": "redressNumber",
  "labels": {},
  "fieldType": "INPUT",
  "elective": "OPTIONAL",
  "validation": {
    "@type": "none"
  }
},
{
  "uuid": "244ed9bc-4f9f-4d18-b236-d809860e63e4",
  "name": "knownTravNumber",
  "sequence": 0,
  "internalCode": "",

```

```
    "profileType": "TRAVELLER",
    "editable": true,
    "defaultLabel": "knownTravNumber",
    "labels": {},
    "fieldType": "INPUT",
    "elective": "OPTIONAL",
    "validation": {
      "@type": "none"
    }
  }
]
},
"standardFieldDefinitions": [
  {
    "uuid": "d247cc20-b681-11ec-9e5f-482ae368e12c",
    "collectionName": "hotelmemberships",
    "fieldName": "alliance",
    "profileType": "TRAVELLER",
    "affectedUserGroup": "ENTIRE_AGENCY",
    "fieldDisplayType": "MANDATORY"
  },
  {
    "uuid": "d2481a36-b681-11ec-9e60-482ae368e12c",
    "collectionName": null,
    "fieldName": "phoneMobile",
    "profileType": "TRAVELLER",
    "affectedUserGroup": "COMPANY_ADMIN_AND_TRAVELLER",
    "fieldDisplayType": "MANDATORY"
  },
  {
    "uuid": "d2486860-b681-11ec-9e62-482ae368e12c",
    "collectionName": "flightmemberships",
    "fieldName": "additionalinfo",
    "profileType": "TRAVELLER",
    "affectedUserGroup": "ENTIRE_AGENCY",
    "fieldDisplayType": "HIDDEN"
  },
  {
    "uuid": "d2484146-b681-11ec-9e61-482ae368e12c",
    "collectionName": null,
    "fieldName": "email",
    "profileType": "CORPORATE",
    "affectedUserGroup": "ENTIRE_AGENCY",
    "fieldDisplayType": "MANDATORY"
  }
]
```

```
}  
]  
}
```

## Get generic setup for company

|                |                                           |
|----------------|-------------------------------------------|
| Scopes         | api.profilesondemand.read                 |
| Endpoints      | api/v1/configuration/setup/company/{uuid} |
| Request method | GET                                       |

Fetch the generic setup of a company tailored to the access level of the calling user / application

### Parameters

| Name        | Description                                                                                                  | Validation                                               |
|-------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <uuid>      | The UUID of the company                                                                                      | Required parameter                                       |
| merged      | Defines wheter to include only the company setup (false) or merge it with the underlying agency setup (true) | Boolean value: true or false<br>Optional, default: false |
| profileType | May be used to restrict the response to configuration for a specific profile type.                           | Optional<br>One of TRAVELLER, CORPORATE                  |

### Example request

```
curl -v -H "Authorization: Bearer <token>" \  
  
"https://hurricane.umbrellanet.ch/uf-test/api/v1/configuration/setup/compa  
ny/76445ed3-cbd4-45f5-96fc-f8f60745d529?merged=false"
```

### Example Response

```
{  
  "groups": [  
    {  
      "uuid": "8744e74c-29c9-4009-8629-036d01d5f2cd",  
      "groupType": {  
        "@type": "integrated",  
        "key": "general.header_prefs"  
      },  
      "sequence": 7,  
      "defaultLabel": "Preferences",  
      "labels": {  
        "sv_SE": "Önskemål",  
        "es_ES": "Preferencias",  
        "fr_BE": "Préférences",  
        "nl_NL": "Präferenzen",  
      }  
    }  
  ]  
}
```

```

    "hu_HU": "Felhasználói beállítások",
    "de_CH": "Präferenzen",
    "it_CH": "Preferenze",
    "de_DE": "Präferenzen",
    "kl_GL": "Sallinngortitat",
    "cs_CZ": "Preference",
    "da_DK": "Præferencer",
    "pl_PL": "Preferencje",
    "sk_SK": "Preferencie",
    "it_IT": "Preferenze",
    "pt_PT": "Präferenzen",
    "fr_FR": "Préférénces",
    "en_US": "Preferences",
    "de_AT": "Präferenzen",
    "fr_CH": "Préférénces",
    "en_GB": "Preferences",
    "nl_BE": "Präferenzen"
  },
  "fields": [
    {
      "uuid": "390c82f6-22fb-48c5-a82e-337b62a2afd8",
      "name": "OptInNewsletter",
      "sequence": 0,
      "internalCode": "",
      "profileType": "TRAVELLER",
      "editable": true,
      "defaultLabel": "Für Newsletter anmelden",
      "labels": {
        "en_US": "Opt-In to Newsletter",
        "en_GB": "Opt-In to Newsletter"
      },
      "fieldType": "INPUT",
      "elective": "OPTIONAL",
      "validation": {
        "@type": "none"
      }
    }
  ]
},
"standardFieldDefinitions": [
  {
    "uuid": "d2484146-b681-11ec-9e61-482ae368e12c",
    "collectionName": null,
    "fieldName": "email",
    "profileType": "CORPORATE",
    "affectedUserGroup": "ENTIRE_AGENCY",
    "fieldDisplayType": "MANDATORY"
  },
  {
    "uuid": "d2481a36-b681-11ec-9e60-482ae368e12c",
    "collectionName": null,
    "fieldName": "phoneMobile",

```

```
"profileType": "TRAVELLER",
"affectedUserGroup": "COMPANY_ADMIN_AND_TRAVELLER",
"fieldDisplayType": "MANDATORY"
},
{
  "uuid": "d2486860-b681-11ec-9e62-482ae368e12c",
  "collectionName": "flightmemberships",
  "fieldName": "additionalinfo",
  "profileType": "TRAVELLER",
  "affectedUserGroup": "ENTIRE_AGENCY",
  "fieldDisplayType": "HIDDEN"
},
{
  "uuid": "d247cc20-b681-11ec-9e5f-482ae368e12c",
  "collectionName": "hotelmemberships",
  "fieldName": "alliance",
  "profileType": "TRAVELLER",
  "affectedUserGroup": "ENTIRE_AGENCY",
  "fieldDisplayType": "MANDATORY"
```

```
}  
]  
}
```

## Profile Center API

This API allows access to "Profile Center" functions of Umbrella Faces

### Get publish errors

|                |                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------|
| Scopes         | api.profilesondemand.profilecenter.read                                                          |
| Endpoints      | api/v1/profile-center/corporate-publish-errors<br>api/v1/profile-center/traveller-publish-errors |
| Request method | GET                                                                                              |

Fetch a list of publishing errors

#### Parameters

| Name     | Description                                                                    | Validation                                        |
|----------|--------------------------------------------------------------------------------|---------------------------------------------------|
| page     | Current page within the result set, starts at 0                                | Optional, number $\geq 0$                         |
| pageSize | Maximum number of results per page. Default 25                                 | Optional, number $> 0$ and $\leq 100$             |
| since    | Restrict results to errors that have occurred on or after a specific timestamp | Optional<br>Format yyyy-MM-dd'T'HH:mm[:ss[.SSS]]X |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \  
  
"https://hurricane.umbrellanet.ch/uf-test/api/v1/profilecenter/traveller-p  
ublish-errors?since=2023-01-23T13:00:25.000Z"
```

### Example Response

```
{
  "moreResults": false,
  "results": [
    {
      "agencyInterface": {
        "uuid": "14d74036-2a97-47ab-939c-2acc2c658865",
        "name": "GAL-GWS",
        "targetSystem": "GALILEO_WS",
        "sequence": 0
      },
      "company": {
        "uuid": "52f2b2c0-4990-49bb-b1f1-d3aa38169175",
        "name": "Fixham Inc"
      },
      "traveller": {
        "uuid": "065fe9e0-47b7-4d12-b3de-d3aa38169175",
        "name": "Bob Builder"
      },
      "publishState": "UNABLE TO PROCESS"
    }
  ]
}
```

## System reference data API

This API is complimentary to the Profiles API and allows to query Umbrella Faces for reference data, such as lists of known rentalcar providers.

### Get frequent flyer options

|                |                                     |
|----------------|-------------------------------------|
| Scopes         | (none needed)                       |
| Endpoints      | api/v1/reference-data/air-providers |
| Request method | GET                                 |

Fetch a list of available frequent flyer options

#### Parameters

| Name        | Description                                                                                                                                              | Validation                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| profileType | Some options are only available on COPORATE level but no on TRAVELLER profiles.<br><br>This parameter allows to query the valid options per profile type | Optional parameter: <ul style="list-style-type: none"><li>• TRAVELLER</li><li>• CORPORATE</li></ul><br>Will return all frequent flyer options (unfiltered) if omitted |

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/reference-data/air-providers?profileType=TRAVELLER"
```

## Get hotel chain codes

|                |                                    |
|----------------|------------------------------------|
| Scopes         | (none needed)                      |
| Endpoints      | api/v1/reference-data/hotel-chains |
| Request method | GET                                |

Fetch a list of available hotel chain code options

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/reference-data/hotel-chains"
```

## Get rental car providers

|                |                                     |
|----------------|-------------------------------------|
| Scopes         | (none needed)                       |
| Endpoints      | api/v1/reference-data/car-providers |
| Request method | GET                                 |

Fetch a list of available rental car providers

#### Example request

```
curl -v -H "Authorization: Bearer <token>" \

"https://hurricane.umbrellanet.ch/uf-test/api/v1/reference-data/car-providers"
```

## Get rail card types

|                |                                       |
|----------------|---------------------------------------|
| Scopes         | (none needed)                         |
| Endpoints      | api/v1/reference-data/rail-card-types |
| Request method | GET                                   |

Fetch a list of known rail card types

## Parameters

| Name   | Description                                                                                                                                                | Validation                                                  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| agency | Allows specifying an agency UUID for which the supported rail card types should be listed.<br>Depending on the agency setup the available types may differ | Optional Parameter<br>Will return all card types if omitted |

### Example request

```
curl -v -H "Authorization: Bearer <token>" \  
  
"https://hurricane.umbrellanet.ch/uf-test/api/v1/reference-data/rail-card-  
types"
```