

# Testing Journey-Service

## Assumptions

- Questionnaire approved
- APIM registration done -> you have your specific credentials for **INT** and/or **PROD** access
- Your favorite JSON/REST Test-Tool is installed (we use Postman for this sample)

## Facts

### Client credentials

Remarks:

- We do not grant PROD ClientId only, please test your code against INT first! Once it is running you might access PROD as well
- Each Environment needs its own ClientId, therefore you need to register separately
- Do not perform any stress- or nonsense-tests against PROD unless you have a deal with [journey-service@sbb.ch](mailto:journey-service@sbb.ch)

Field	INT	PROD
Client ID	Your registered value from <a href="https://developer-int.sbb.ch/home">https://developer-int.sbb.ch/home</a>	Your registered value from <a href="https://developer.sbb.ch/home">https://developer.sbb.ch/home</a>
Client Secret	Dito	Dito

### Authentication provider

APIM-Environ-ment	Single-Sign-On URL	Access Token URL
INT	<a href="https://sso-int.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/auth">https://sso-int.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/auth</a>	<a href="https://sso-int.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/token">https://sso-int.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/token</a>
PROD	<a href="https://sso.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/auth">https://sso.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/auth</a>	<a href="https://sso.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/token">https://sso.sbb.ch/auth/realms/SBB_Public/protocol/openid-connect/token</a>

Also see: [https://sso-int.sbb.ch/auth/realms/SBB\\_Public/.well-known/openid-configuration](https://sso-int.sbb.ch/auth/realms/SBB_Public/.well-known/openid-configuration)

### Token handling

To perform your desired client-request, you need a valid Token generated by APIM to be transferred with each call. The Token must be renewed if not valid any more by your client-application.

Type: OAuth 2.0

Handle HttpStatus faults such as:

- 401 Unauthorized (for e.g. missing or bad APIM credentials)
- 403 Forbidden if your APIM Plan was accepted, you should get access to all APIs having the configured plan at registration.

- We reserve the right to revoke your access in case of violation or disagreement in licencing.

HTTP Journey-Service / Integration / B2C / V3 / Trips / /v3/trips/by-origin-destination

POST https://journey-service-int.api.sbb.ch/v3/trips/by-origin-destination

Params Authorization Headers (9) Body Scripts Tests Settings

Share Token  
This will allow anyone with access to this request to view and use it.

Configure New Token

Token Name Azure-INT

Grant type Client Credentials

Access Token URL ① https://login.microsoftonline.com/2cda5d11-...

Client ID ① <your-client-id>

Client Secret ① <your-client-secret>

Scope ① api://journey-service-int/.default

Client Authentication ① Send as Basic Auth header

Advanced

① You can add more specific customizations to your OAuth2 requests here. Learn more about [configuration](#)

Refresh Token URL ① https://login.microsoftonline.com/2cda5d11-ft

Token Request ①

	Key	Value	Send In
	Create parameter	Value	

Refresh Request ①

	Key	Value	Send In
	Create parameter	Value	

Get New Access Token

Figure 2 - add your secrets from APIM registration

MANAGE ACCESS TOKENS

ALL TOKENS

J-S APIM INT

Token Name not-before-policy 1506516493

Token Name session\_state 24515e35-d998-4e99-a265-8e91e61f5611

Token Name scope email client-info profile SBB

Token Name Use Token

Figure 3 - in Postman there is this convenience button

Do a real Journey-Service request

Fill in request-properties according to swagger-doc.

In this sample we demonstrate access to /v2/locations

Header fields (if any):

[HTTP](#) Journey-Service / Integration / B2C / V3 / Trips / /v3/trips/by-origin-destination

**POST** ▼ `https://journey-service-int.api.sbb.ch/v3/trips/by-origin-destination`

Params Authorization ● Headers (10) Body ● Scripts Tests Settings

Headers 🔧 Hide auto-generated headers

	Key	Value
<input checked="" type="checkbox"/>	Authorization	ⓘ .....
<input checked="" type="checkbox"/>	Content-Type	ⓘ application/json
<input checked="" type="checkbox"/>	Content-Length	ⓘ <calculated when request is sent>
<input checked="" type="checkbox"/>	Host	ⓘ <calculated when request is sent>
<input checked="" type="checkbox"/>	User-Agent	ⓘ PostmanRuntime/7.40.0
<input checked="" type="checkbox"/>	Accept	ⓘ */*
<input checked="" type="checkbox"/>	Accept-Encoding	ⓘ gzip, deflate, br
<input checked="" type="checkbox"/>	Connection	ⓘ keep-alive
<input checked="" type="checkbox"/>	requestId	<youe Request-ID>
<input checked="" type="checkbox"/>	Accept-Language	de
	Key	Value

Figure 4 – Header-sample

POST params (if any):

[HTTP](#) Journey-Service / Integration / B2C / V3 / Trips / /v3/trips/by-origin-destination [🔗](#)

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**POST** ▼ <https://journey-service-int.api.sbb.ch/v3/trips/by-origin-destination>

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Params Authorization ● Headers (10) **Body ●** Scripts Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

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```
1 {
2   "origin": "8509197",
3   "destination": "8509072",
4   "forArrival": false,
5   "date": "2024-07-04",
6   "time": "10:04",
7   "includeAccessibility": "ALL",
8   "includeEconomic": false,
9   "includeUnsharp": true,
10  "includeEarlier": false,
11  "includeAlternateMatch": "IRRELEVANT",
12  "includeEcologyComparison": "DEFAULT",
13  "includeRouteProjection": false,
14  "includeSummary": false
15 }
```

Figure 5 - specific parameters serving your needs per API