DRIVES Framework – API

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Overview

- **API** will help to automate the processes mainly around the training providers, such as:
  - training completion verification;
- Other functions will facilitate:
  - registration of the user or user transfer;

- Current documentation is accessible here: https://drives-compass.eu/api.html
- API accepts and returns JSON objects

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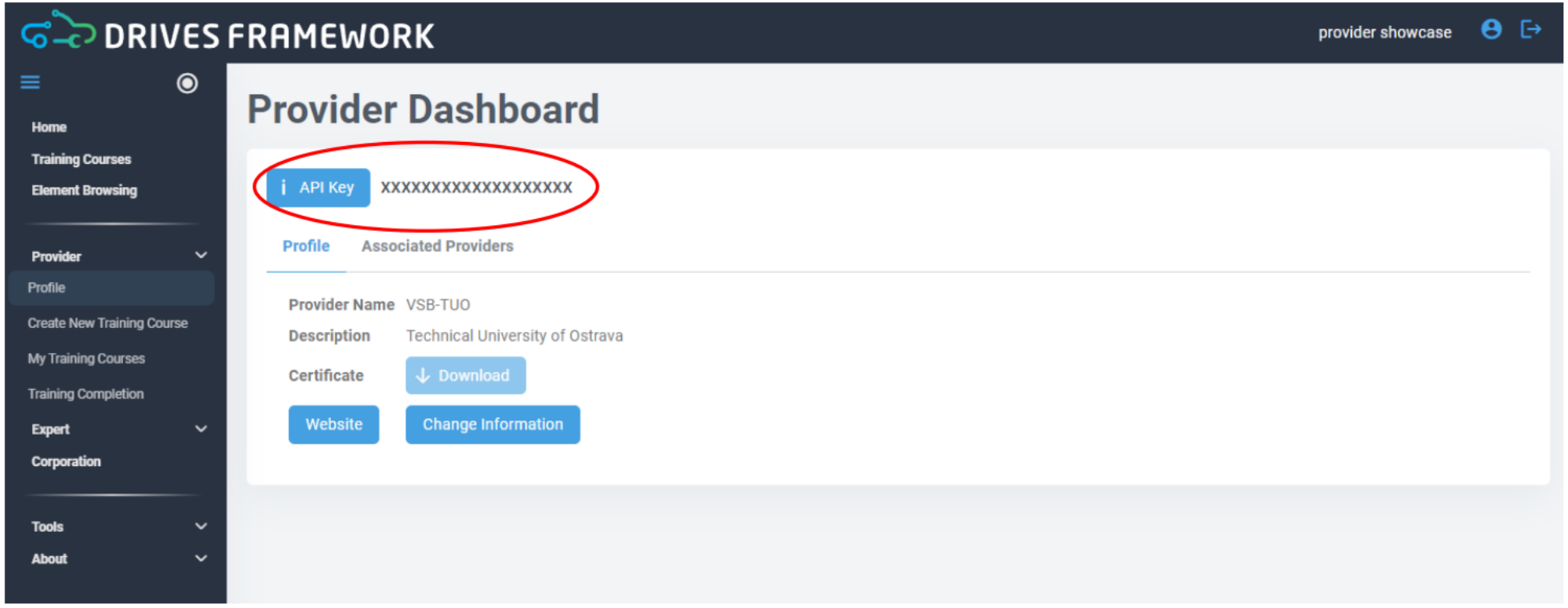
Authentication

- **API Key** is used for the authentication – training provider can find it in the training provider profile
  - *Provider -> Profile*
  - API Key is sent in the header: “X-API-KEY”
  - It is also recommended to send the email address in the “email” header.



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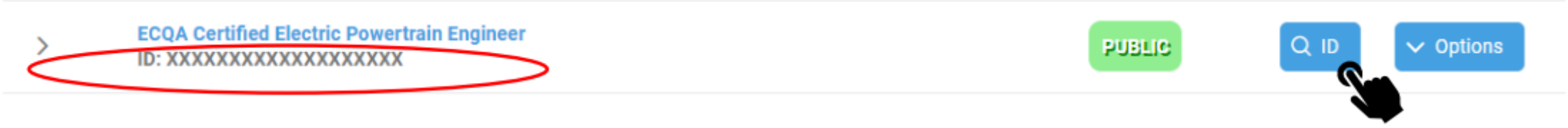
Calls – Verification - Request

- Method will verify the training completion and badges will be issued to the person.
- **POST** https://drives-compass.eu/o/drives-compass/v1.0/training/verification
  - *test site: https://drives-compass.vsb.cz/o/drives-compass/v1.0/training/verification*

- Request body contains (*array of emails of users to be verified; training id that they completed; verification type; and certificate [if training does not have a certificate, it is handled on the server side regardless the value specified])* as seen below:

```
OBJECT
{
  certificate: boolean
  emails: [string]
  trainingId: string
  verificationType: enum                    Allowed: ATTENDANCE | EXAM
}
```

- Each user needs to have an account in the DRIVES Framework
- Training must exist
- Training ID can be found in the training management: *Provider -> My Training Courses*



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Calls – Verification - Response

- Returned JSON contains an array of JSON objects – each having an email and status information.
  - email : String (user email that was posted)
  - status: enum (verification outcome – OK | NOT_FOUND | ALREADY_VERIFIED)
    - Either OK, or user not found, or the user has the training already verified
- Returned JSON also contains the trainingId : String for which the verification happened and was posted
  - If the training does not exist, this field will indicate

OBJECT

```
{
  results: [{
    email: string
    status: enum                    Allowed: OK | NOT_FOUND | ALREADY_VERIFIED
  }]
  trainingId: string
}
```

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Diagram – Verification Training Not Found

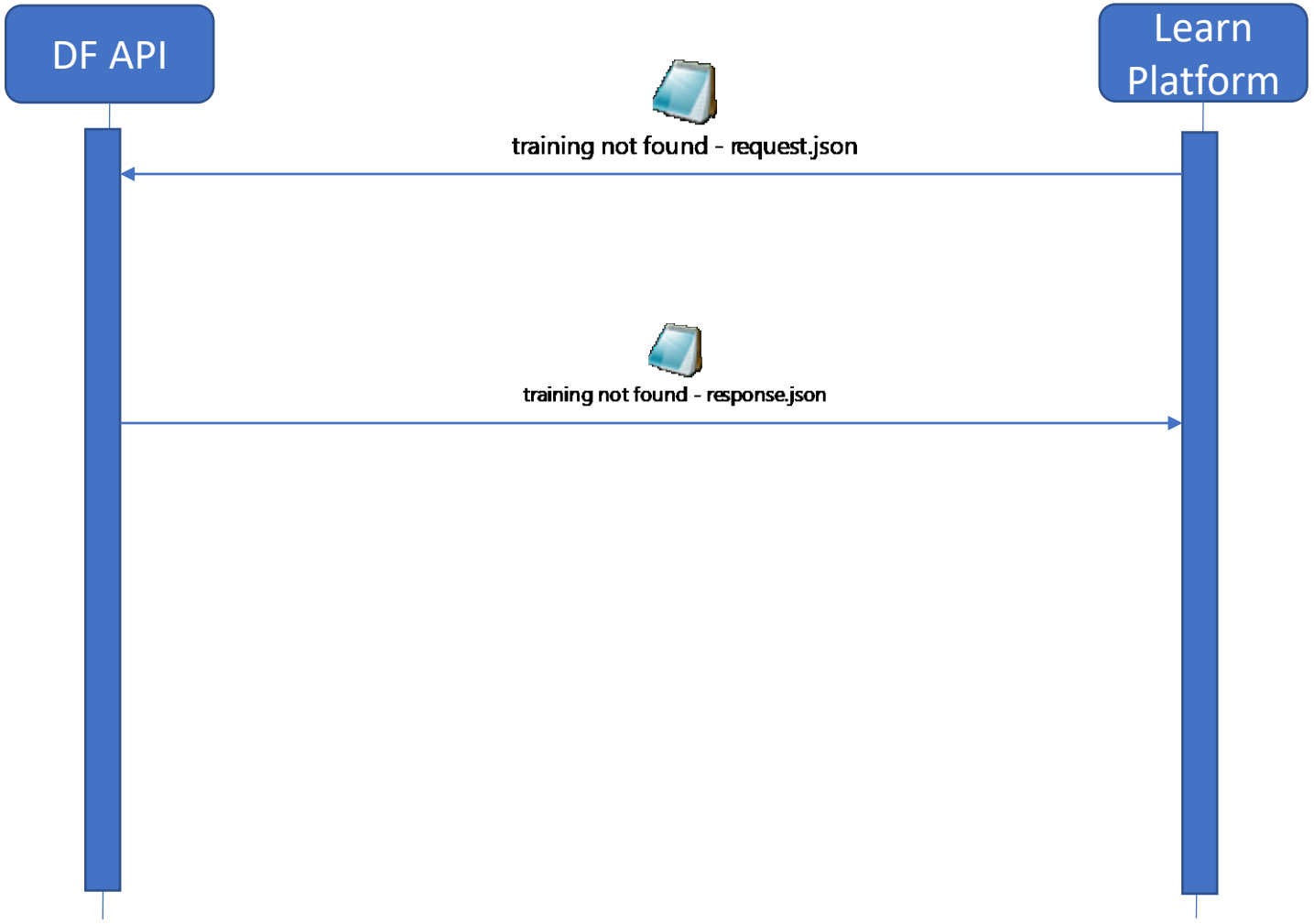

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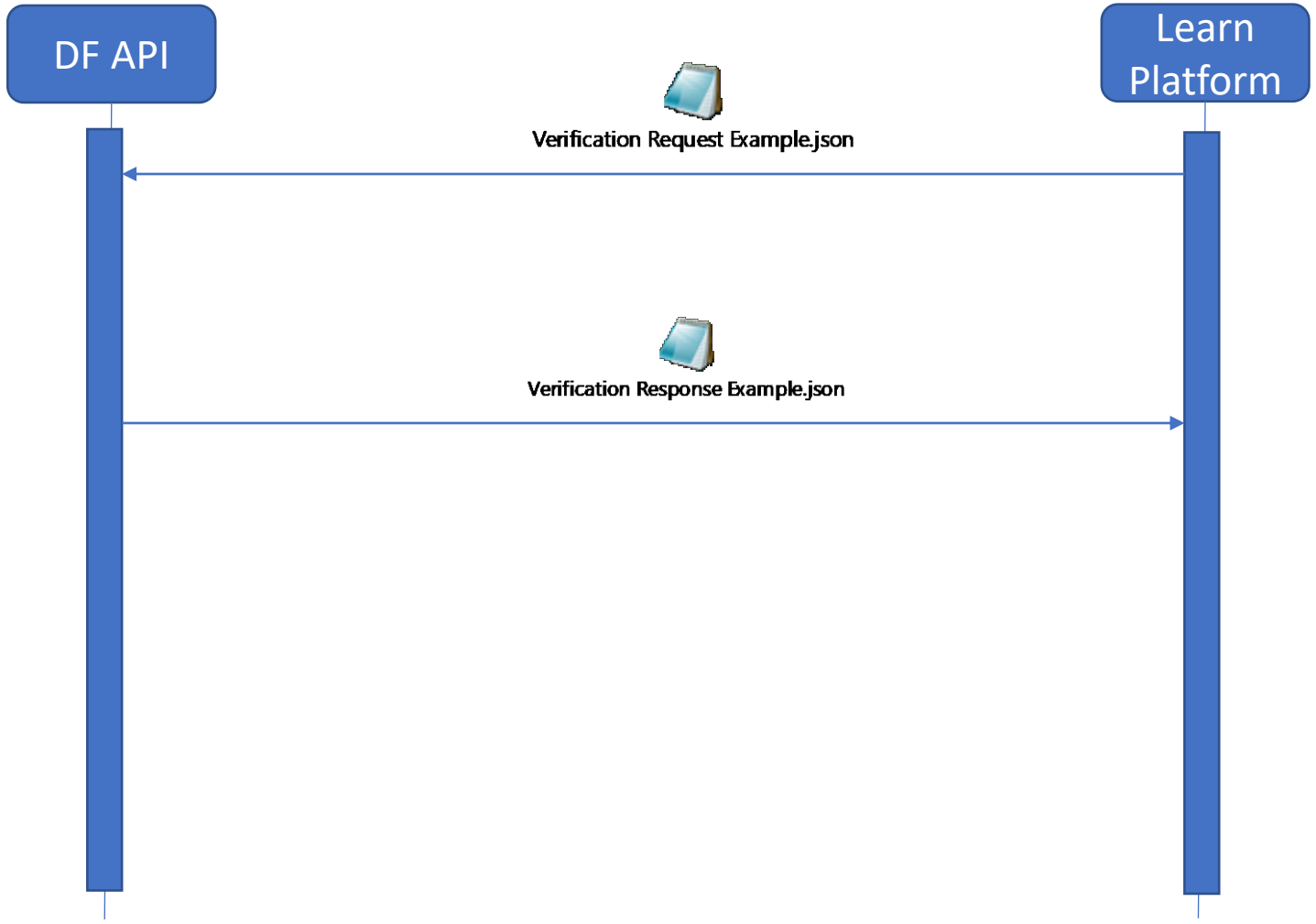
Diagram – Verification



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Calls – Registration

- Method will register clean user with specified email – depending on the specified additional fields, the user registration will be more complete – user will then receive an email and will finish the registration process.
- **POST** https://drives-compass.eu/o/drives-compass/v1.0/user/register
  - *test site: https://drives-compass.vsb.cz/o/drives-compass/v1.0/user/register*

- Request body contains (*email; firstname; lastname; screenName)*:

```
OBJECT
{
  email: string
  firstName: string
  lastName: string

}
```

- Response:

```
OBJECT
{
  email: string
  message: string
  status: enum                    Allowed: OK | ALREADY_EXISTS | ERROR
}
```

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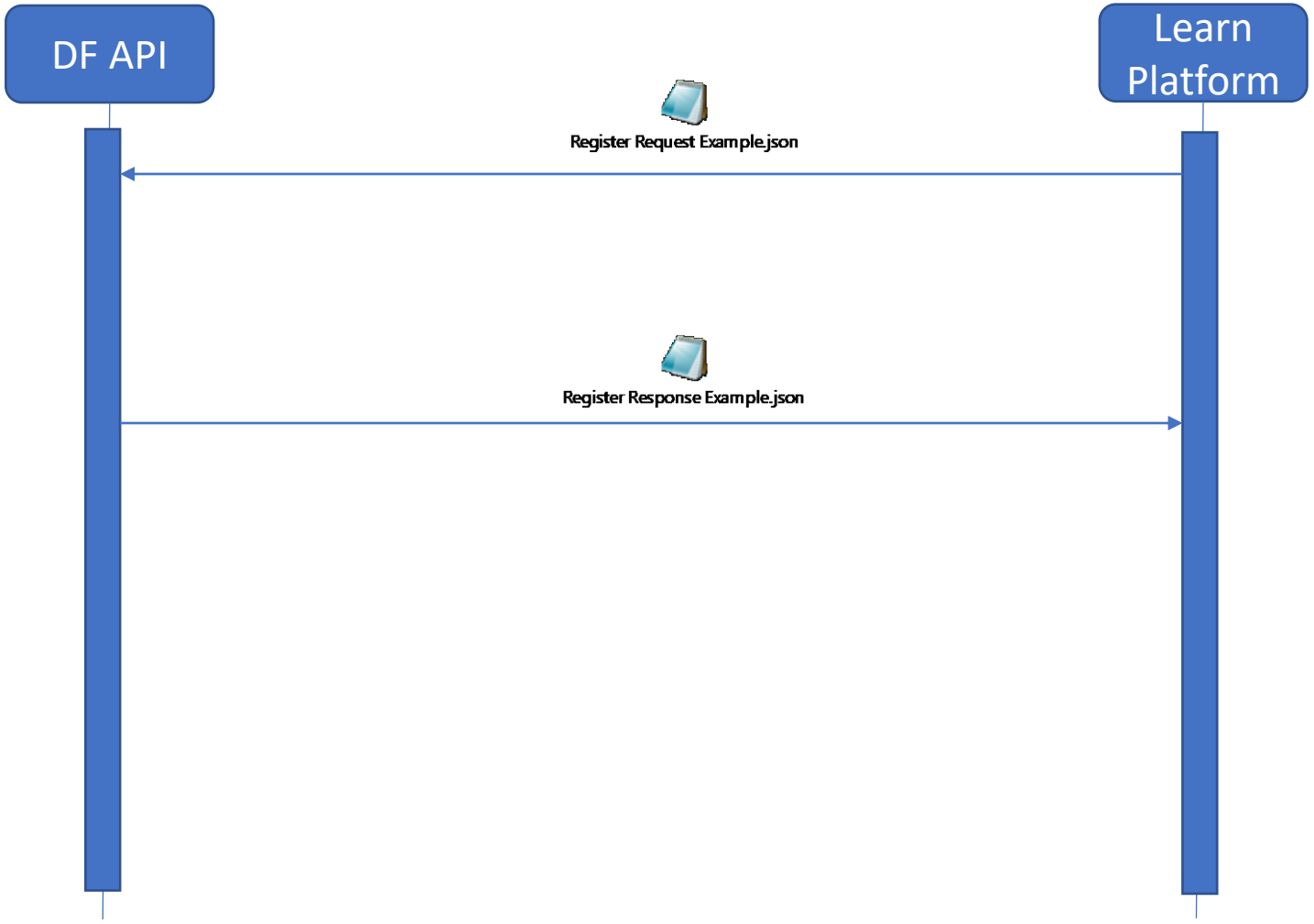

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Diagram – Verify and Register

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Development and Research on Innovative Vocational Education Skills

Thank you for your attention!

DRIVES is a project under **The Blueprint for Sectoral Cooperation on Skills in Automotive Sector**, as part of New Skills Agenda.

The aim of the Blueprint is **to support an overall sectoral strategy and to develop concrete actions to address short and medium term skills needs.**

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