

Vendor Integration REST API Specification

Overview

This document defines a set of REST APIs that enables PayPal to notify the creation of new localization projects and to update their statuses. The API based communication is intended to improve the current communication which is based on emails, phone calls, or other disorganized means, and to reduce the amount of manual work associated with those communications.

The APIs are implemented by each vendor. PayPal calls the APIs when a project is created for a vendor and its statuses are changed. The vendor can then store the project information to plan and initiate work, keep track of the progress, generate reports, and so on.

As the APIs are implemented by vendors, this specification doesn't define their URLs or resource identifiers. Vendors are free to choose any endpoints and API paths. However, the API protocol must be HTTPS as the information sent via APIs contain sensitive information. Vendors will need to register their API URLs with PayPal (typically by email) so that PayPal's localization automation platform knows what to call.

APIs

Authentication

A caller is authenticated by HTTP basic authentication, which uses 'Authorization' HTTP header which contains 'username:password' encoded in base64 in its value. Each vendor creates PayPal account in its REST server. The authentication API returns an access token. The token is used in subsequent calls to authorize the access. The token can be JWT, bearer token, or any custom token. It's up to each implementation. The token should be expired after some while.

- **HTTP Method** - GET
- **HTTP Header** - Authorization header using Basic schema containing 'username:password' encoded in base64.
 - Example: Authorization: Basic Zm9vOmJhcg==
- **Response Body** - JSON object that contains an access token and its expiration date in UTC in ISO 8601 format
 - Example:

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9",
  "expiredAt": "2017-10-13T21:08:39.000Z"
}
```

- **Error** - Any responses with the HTTP response code other than 2xx are treated as error.

▸ Project Created

When a new localization project is created and it is assigned to a vendor, this API provided by the said vendor is called.

- **HTTP Method** - POST
- **HTTP Header** - Authorization header using Bearer schema containing an access token obtained from the authentication API.
 - Example:

Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9

- **Request Body** - JSON object containing the followings:
 - Project Id - unique project id
 - Project Name - may not be unique
 - Source Language - in BCP 47, e.g. en-US
 - Target Language - in BCP 47, e.g. ja-JP
 - Word Count
 - Creation Date - project creation date in UTC in ISO 8601 format
 - Due Date - project due date in UTC in ISO 8601 format
 - URL to the project
 - Project Type - possible values are as follows:
 - translation - translation project
 - linguisticReview - linguistic review project
 - Status - status of the project. Possible values are as follows:
 - inProgress - initial status
 - canceled
 - completed
 - Example:

```
{
  "projectId" : "2704937",
  "projectName" : "6686570_P2P_Core_P2P_Core_p2pnodeweb_develop_el_GR",
  "sourceLanguage": "en-US",
  "targetLanguage": "el-GR",
  "wordCount": {
    "ICE": 198,
    "exact": 3,
    "99-80%": 12,
    "79-70%": 24,
    "69-0%": 2085,
```

```

    "repetition": 346
  },
  "creationDate": "2017-10-14T14:17:27.396Z",
  "dueDate": "2017-10-18T16:00:00.000Z",
  "projectUrl": "https://www.matecat.com/translate/translate.rtf/en-US-el-GR/97089",
  "projectType": "translation",
  "status": "inProgress"
}

```

- **Response Body** - JSON object containing Google account email addresses of people who are authorized by the vendor to work on the project. Only the people who are listed here can access the project. The list can be different project by project. Vendors are responsible for maintain the trusted linguists.

- Example:

```

{
  "authorizedUsers": [
    "johndoe@gmail.com",
    "janedoe@gmail.com",
    "richarddoe@gmail.com"
  ]
}

```

- **Error** - Any responses with the HTTP response code other than 2xx are treated as error.

Update Project

This API is called when the project status is changed or due date is updated.

- **HTTP Method** - PUT
- **HTTP Header** - Authorization header using Bearer schema containing an access token obtained from the authentication API.

- Example:

```
Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9
```

- **Request Body** - JSON object containing the followings:
 - Project Id - project id
 - Due Date - updated due date. This field is present only when the due date is updated.
 - Status - updated status. This field is present when the project is canceled or completed.
 - Completion Date - project completion or cancel date in UTC in ISO 8601 format
 - Example:

```

{
  "projectId" : "2704937",

```

```
    "completionDate": "2017-10-18T14:28:03.837Z",  
    "status": "completed"  
}
```

- **Error** - Any responses with the HTTP response code other than 2xx are treated as error.