



Learning Opportunities: Technical overview

Topics

- 1) Learning Opportunities Data Model*
- 2) Qualification Dataset Register (QDR)*
- 3) Linking With Qualification Data*

LEARNING OPPORTUNITIES DATA MODEL

Learning Opportunities Data Model

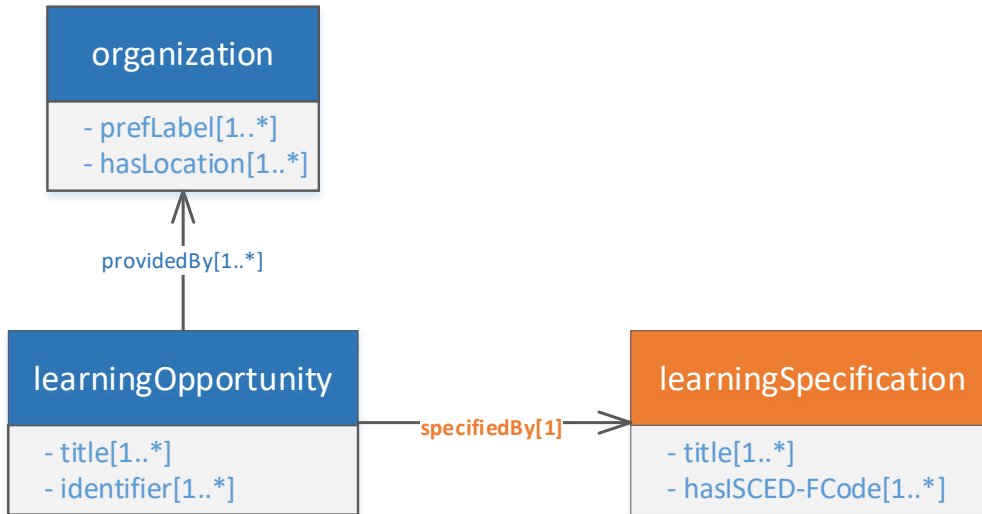
** The data is exchanged using a standard XML format*

Required Fields

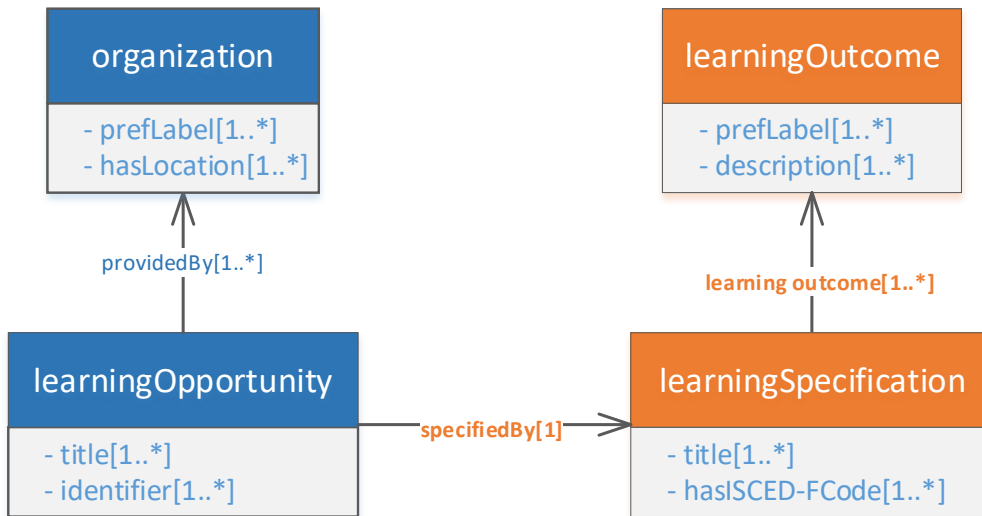
learningOpportunity

- title[1..*]
- identifier[1..*]

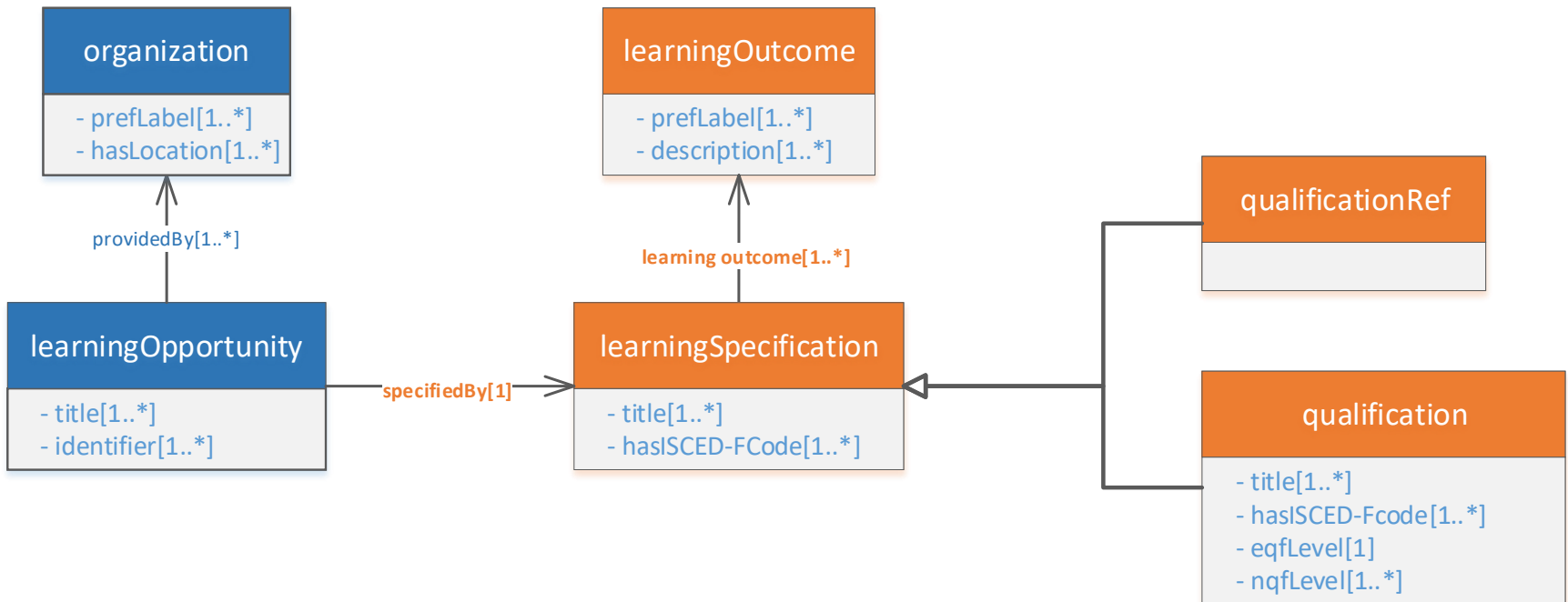
Required Fields



Required Fields



Required Fields



Legacy LOp Model

- * The model used by LOQ is still supported*
- * The data in the legacy model can be published in QDR*
- * The new model provides further structure and interlinking with Qualifications/Accreditations to the data*

QUALIFICATION DATASET REGISTER(QDR)

QDR

The web application for publishing Qualifications (Q), Learning Opportunities (LOp) and Accreditations to the new Europass portal.



Qualification Dataset Register

Welcome to the Qualification Dataset Register

The Qualification Dataset Register serves as a central qualifications data portal. It enables different governmental institutions and awarding bodies to publish information on their qualifications.

What do you need to do to submit your data?

1. Create an EU login (ECAS) account
2. Contact Administrators of Qualification Dataset Register to grant you EU login (ECAS) rights
3. Create a profile for your organisation
4. Submit your dataset, selecting the metadata and publishing options which apply for you

More information about this process can be found in documentation mention below.

[Login/Register](#)

Documentation

User manual

The following manual provides you with a detailed documentation on how to operate the platform. You will be able to understand how to publish your data using this platform and how to operate the user interface.

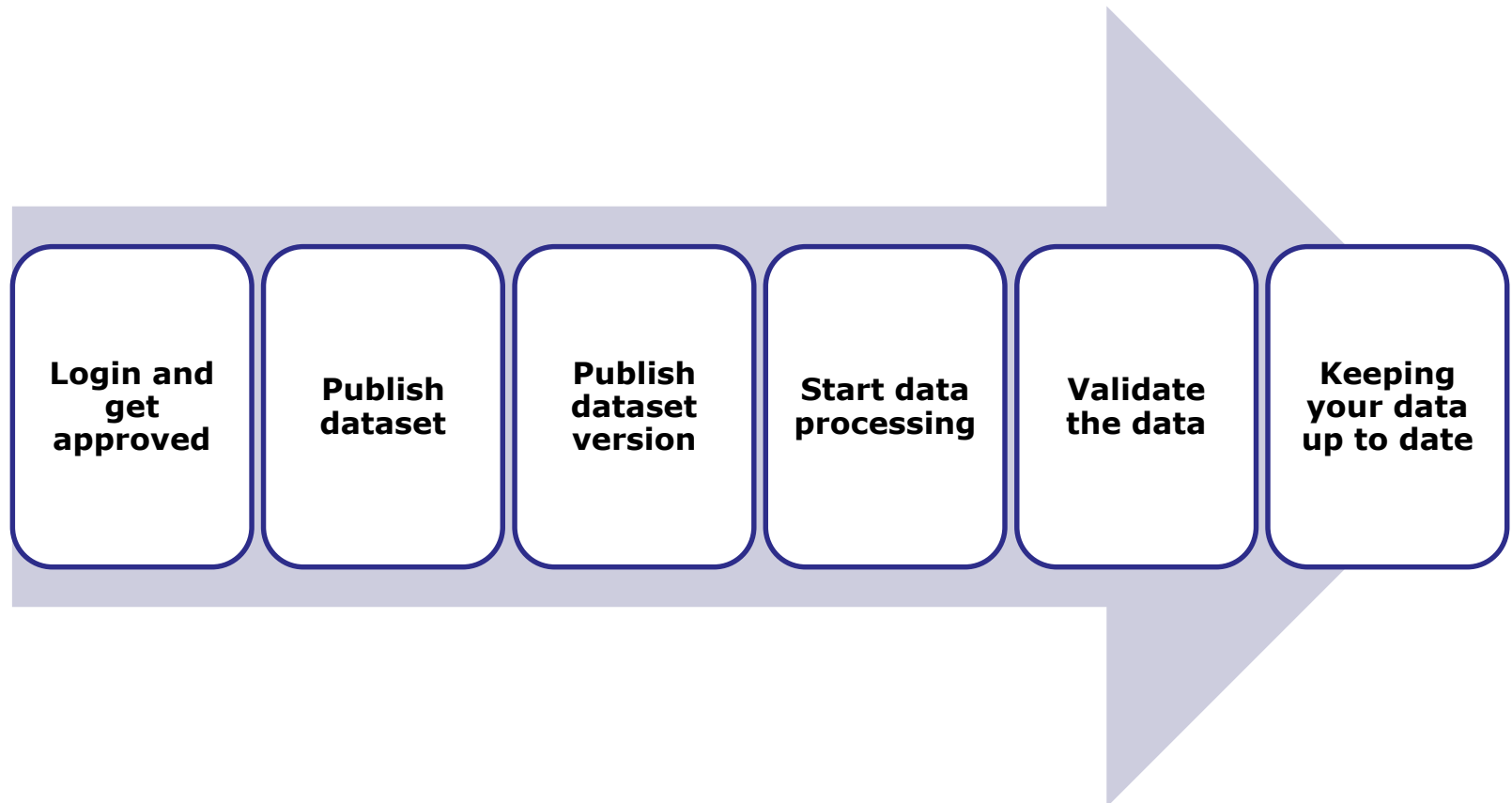
How to register

This short document will guide you through the process of requesting and activating your account in the Qualification Dataset Register website.

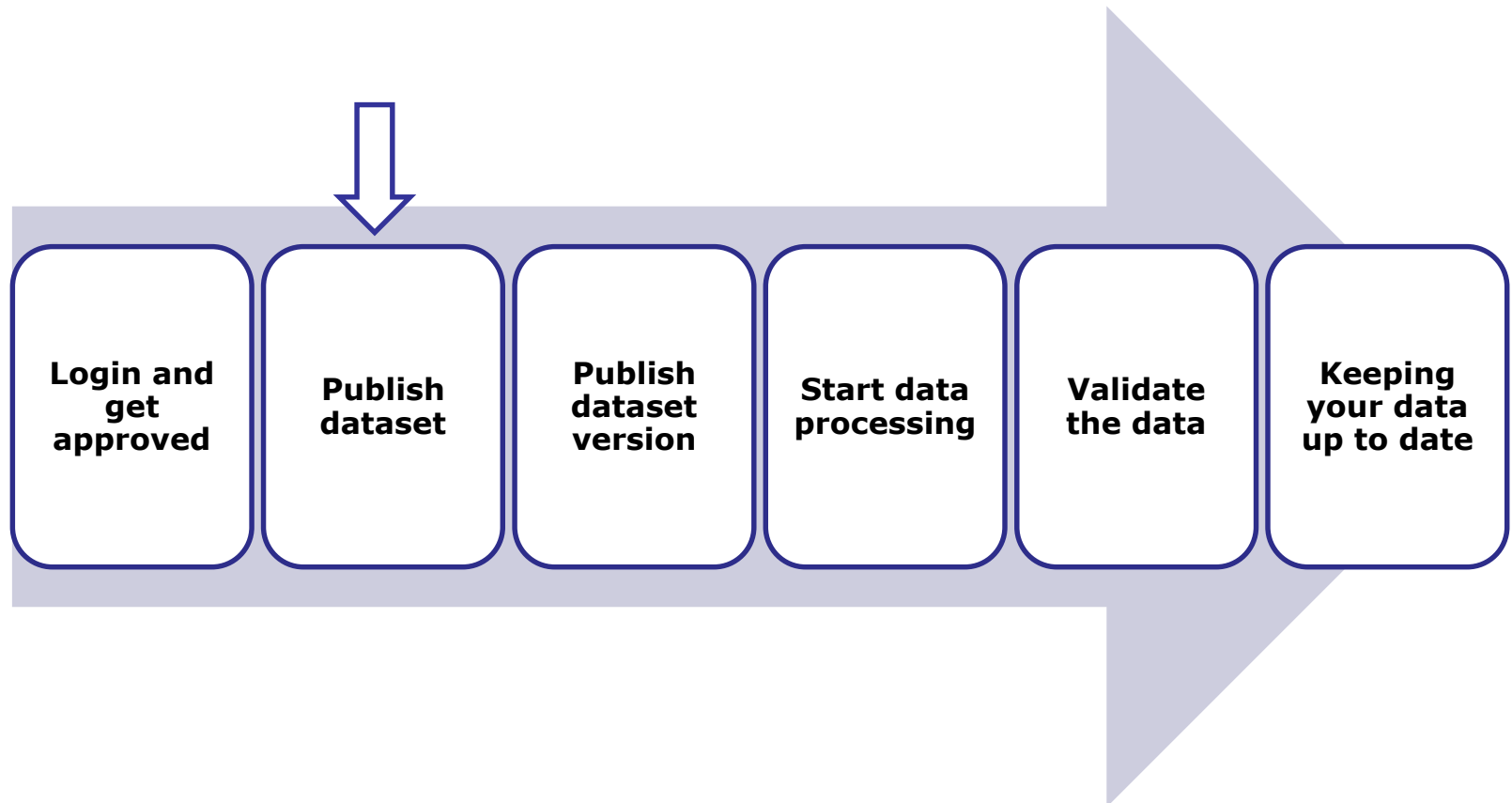
Qualifications Metadata Schema

The Qualifications Metadata Schema (v1.0.0) is an application profile used to describe qualifications across Europe. It corresponds to the schema used for publishing via the Qualifications Dataset Register. It will help you to understand how you should structure your data and prepare them for compliance.

Publishing LOp data on QDR



Publishing LOp data on QDR



Publishing datasets on QDR

Create new dataset

Title

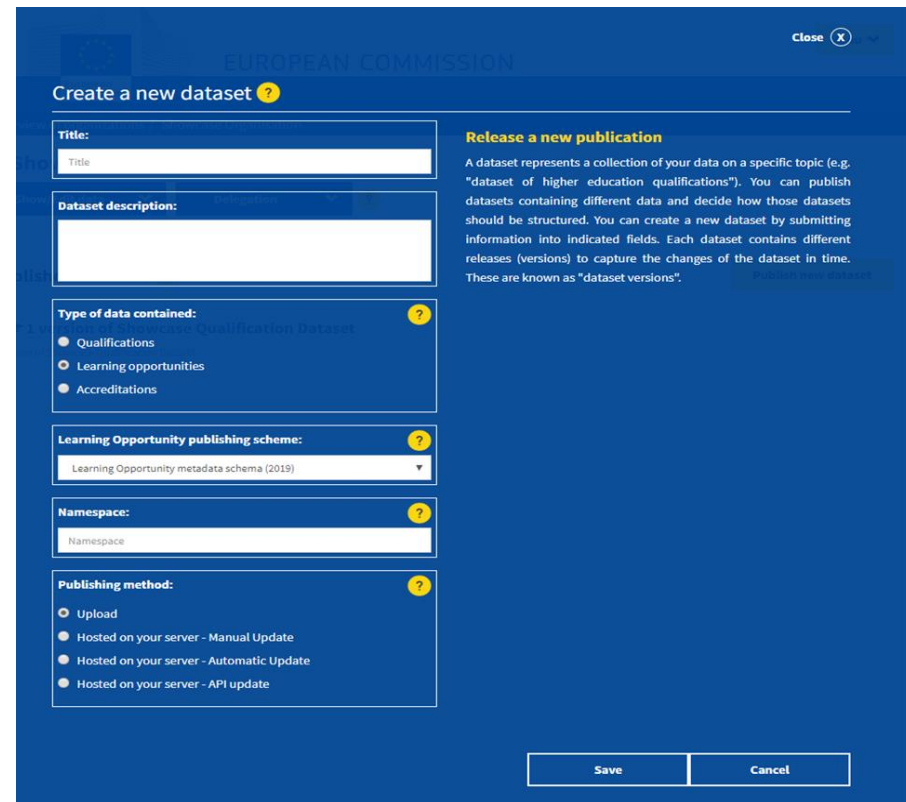
Description

Type of data contained

LOMS

Namespace

Publishing method

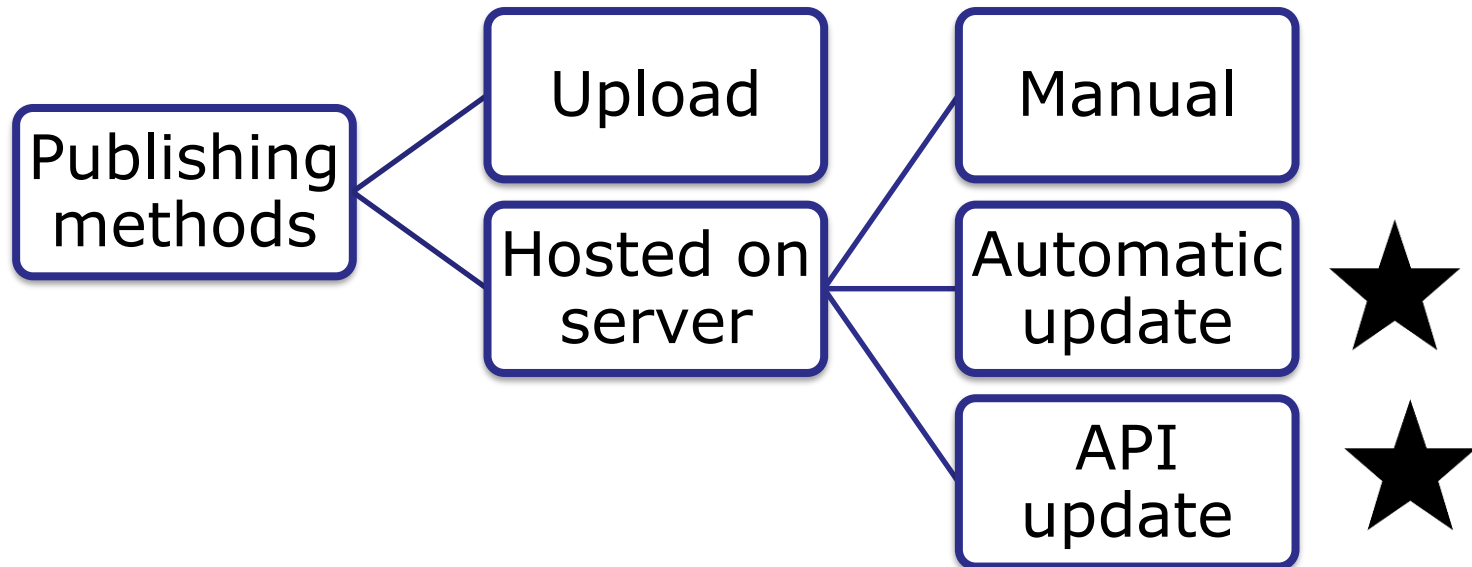


The screenshot shows a web form titled "Create a new dataset" with a "Close" button in the top right corner. The form contains several sections:

- Title:** A text input field.
- Dataset description:** A larger text area for description.
- Type of data contained:** A radio button selection with three options: "Qualifications", "Learning opportunities", and "Accreditations". A yellow question mark icon is present.
- Learning Opportunity publishing scheme:** A dropdown menu with "Learning Opportunity metadata schema (2019)" selected. A yellow question mark icon is present.
- Namespace:** A text input field. A yellow question mark icon is present.
- Publishing method:** A radio button selection with three options: "Upload", "Hosted on your server - Manual Update", "Hosted on your server - Automatic Update", and "Hosted on your server - API update". A yellow question mark icon is present.

On the right side of the form, there is a section titled "Release a new publication" with a yellow question mark icon. Below this title is a paragraph of text: "A dataset represents a collection of your data on a specific topic (e.g. 'dataset of higher education qualifications'). You can publish datasets containing different data and decide how those datasets should be structured. You can create a new dataset by submitting information into indicated fields. Each dataset contains different releases (versions) to capture the changes of the dataset in time. These are known as 'dataset versions'." At the bottom right of the form are "Save" and "Cancel" buttons.

Publishing datasets on QDR

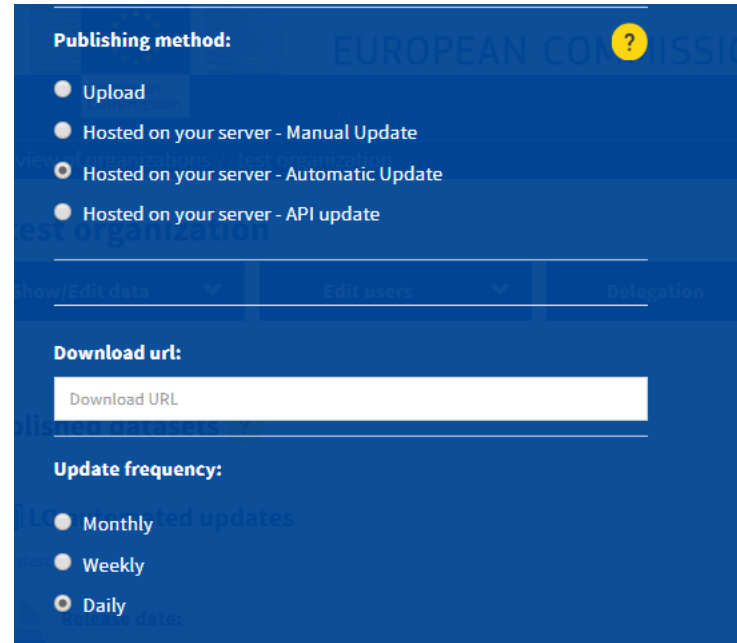


Automatic Update

- * *Updates retrieved automatically*
- * *Indicate a URL where you will continuously maintain the data*



Make sure that the HTML header of your indicated URL is updated every time you want to release a new dataset version



The screenshot shows a configuration page for a dataset. It features a 'Publishing method:' section with four radio button options: 'Upload', 'Hosted on your server - Manual Update', 'Hosted on your server - Automatic Update' (which is selected), and 'Hosted on your server - API update'. Below this is a 'Download url:' section with a text input field labeled 'Download URL'. The 'Update frequency:' section has three radio button options: 'Monthly', 'Weekly', and 'Daily' (which is selected). The interface is dark blue with white text and a yellow question mark icon in the top right corner.

API Update

- Push each update of your dataset to QDR using an API call

Pushing new version through API key ?

Method

POST

URL

https://qdr-test2.cogni.zoneapi/esco/qdr/api-key/dataset_versions?

[masterDatasetUri=http://data.europa.eu/esco/qdr/master_datasets/94fb32ba-1874-4073-9558-47886e9d6836](http://data.europa.eu/esco/qdr/master_datasets/94fb32ba-1874-4073-9558-47886e9d6836)

Headers

x-api-key: {insert-your-api-key}

Example payload (JSON)

```
{
  "containsAccreditation": true,
  "title_en": "Title of version",
  "description_en": "Description of version",
  "version": "e.g. 1.0.1",
  "versionNotes_en": "Optional version notes",
  "_links": {
    "mediaType": {
```



If you plan to use this method, please contact the administrators of QDR to provide you with an API key.

LINKING WITH QUALIFICATION DATA

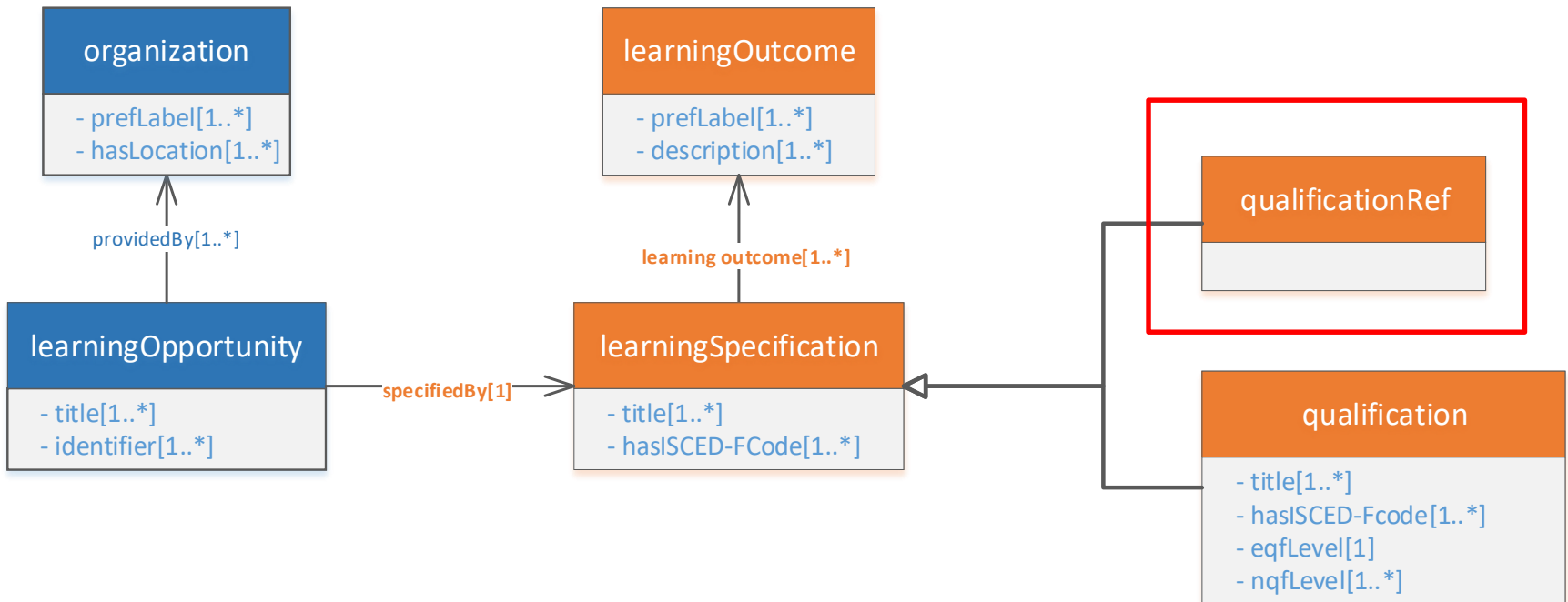
Linking With Qualification Data

** Used if you are publishing the datasets separately for:*

- **Learning Opportunities**
- **Qualifications**

** Required if you are planning to utilize the European Accreditation infrastructure (EDCI)*

Linking With Qualification Data



Linking With Qualification Data

* *Process:*

- **Publish a Qualification dataset**
- **Note the Qualification references**
- **Publish a Learning Opportunity dataset with those references**

Linking With Qualification Data

* *Sample data:*

```
<learningSpecificationReferences>  
  <qualificationRef>  
    <identifier schemeID="http://proson.eoppep.gr">12445</identifier>  
  </qualificationRef>  
</learningSpecificationReferences>
```

*For further assistance you can contact:
qualifications@ext-ec-europa.eu*

THANK YOU