This document is proposed for technical audience and users of the API. Basic knowledge of the HTTP-Protocol is required.

**Metadata**

The uploaded metadata must be conform with the schema specified by `dara.xsd`. All URIs and URLs provided in the metadata must be html encoded to ensure the validity of the XML.

**Characters**

Our cooperation partner, DataCite, recommends that only the following characters are used within a DOI name:

- 0-9
- a-z
- A-Z
- - (dash)
- , (dot)
- _ (underscore)
- : (colon)
- / (slash)

To ensure that DOI names are in-line with DataCite, `da|ra` allows only DOI names matching the following regular expression: `/^10.\d{4,9}/[-._;()/:A-Z0-9]+$/i`

**Security**

All requests to this system require HTTP Basic authentication header.

**POST**

*Endpoint URI:* [http://www.da-ra.de/dara/study/importXML](http://www.da-ra.de/dara/study/importXML)

*Parameter:*

- **registration (optional)** Indicates if immediate registration is performed. Possible values are `true` or `false`.

This request stores a new version of the metadata for a given resource. The request body must contain valid XML.

POST will **create** a new resource if the specified `identifier` and `currentVersion` combination in the `resourceIdentifier` element of the XML provided in the request body doesn't exist in the system. This method will **update** a resource if an existing resource is specified by the `identifier` and `currentVersion` combination in `resourceIdentifier`.

If the parameter **registration** set `true` DOI will be minted with the first entry in the `dataURLs` element in the XML given in the request body.
**Request headers**

Content-Type: application/xml; charset=UTF-8

**Request body**

UTF-8 encoded metadata

**Response body**

If the performed operation was successful the DOI name of the resource is returned otherwise an error message describing why the operation failed.

**Response statuses**

201 Created - operation successful, returned when a new resource has been **created**

200 OK - operation successful, returned when an existing resource has been **updated**

400 Bad Request - request body must be valid XML

401 Unauthorized - no or wrong login

500 Internal Server Error - server internal error, try later and if problem persists please contact us