DA|RA API

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)
- + (plus)
- : (colon)
- / (slash)

Security

All requests to this system require HTTP Basic authentication header.

POST

Endpoint URI: 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