da|ra API reference for datacenters, version 1.0 (October 10th, 2012)

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 to 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 new version of metadata. The request body must contain valid XML.

POST will create new dataset if specified dataset doesn't exist. This method will attempt to update dataset if you specify existing dataset. 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
Empty

Response statuses
201 Created - operation successful, returned if a new dataset created
200 OK - operation successful, returned if an existing dataset 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