

Repository for machine-actionable DMPs

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Introduction

- DMPs are static documents usually in the form of PDFs
- MaDMPs in JSON format allow automatic processing
- Official RDA recommendation
- We have developed a novel prototype of a maDMP repository

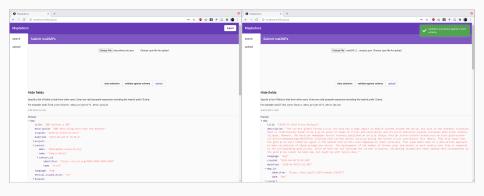
Challenges

- MaDMPs contain nested objects and arrays
- Storing maDMPs in a database can be inflexible and inefficient
- Tools should provide both a user-friendly interface and full flexibility

Main Features

- Submitting maDMPs as JSON
- Hiding fields for other users on submission
- Automated assignment of (Datacite) DOIs
- Powerful search
 - field-wise search
 - · combined search
 - full-text search

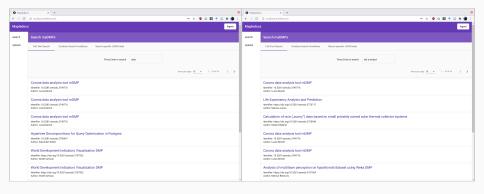
Submitting maDMPs



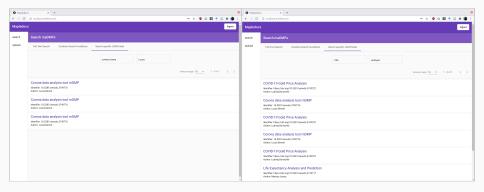
Hiding fields with JSONpath expressions

Hide fields Specify a list of fields to hide from other users. Enter any valid isonpath expression excluding the implicit prefix '\$.dmp.' For example: modified, contributor.mbox, project[*].description modified (2) contact.mbox (2) dataset[0].distribution.byte_size dataset[*].distribution[*].description Add fields to hide title Preview ▼ dmp : description title: "DMP with hidden fields" description: "DMP describing more than one dataset" created created: "2018-07-23T10:10:23.6" modified: "2019-02-22T15:10:56.9" modified ▼ project: v contact: project mbox: "TMiksa@sba-research.org" name: "Tomasz Miksa" ▼ contact_id: identifier: "https://orcid.org/0000-0000-0000" type: "orcid" language: "eng" ethical issues exist: "no"

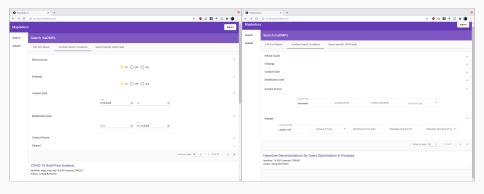
Searching for maDMPs: full text



Searching for maDMPs: specific fields



Searching for maDMPs: combined conditions



Use Cases

- Finding similar maDMPs
- Efficiently searching large amounts of maDMPs
- Publishing maDMPs with some fields hidden to the public

Resources

- Github repository: https://github.com/lucasberent/mapleDocs
- Web page: https://lucasberent.github.io/mapleDocs/