

THE RMAP PROJECT: CAPTURING AND PRESERVING ASSOCIATIONS AMONGST MULTI-PART DISTRIBUTED PUBLICATIONS

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RMAP-PROJECT.INFO

BACKGROUND

Context: The primary unit of scholarly communication is evolving into a multi-part distributed object that can include an article, data, software, and more.

Goal: Create a prototype service to capture and preserve relationships amongst components of a modern scholarly publication

Funding: The project is funded by the *Alfred P. Sloan Foundation* and undertaken by the *Data Conservancy, Portico* and *IEEE*.

KEY FEATURES

Store representations of distributed scholarly works and agents as RDF graphs

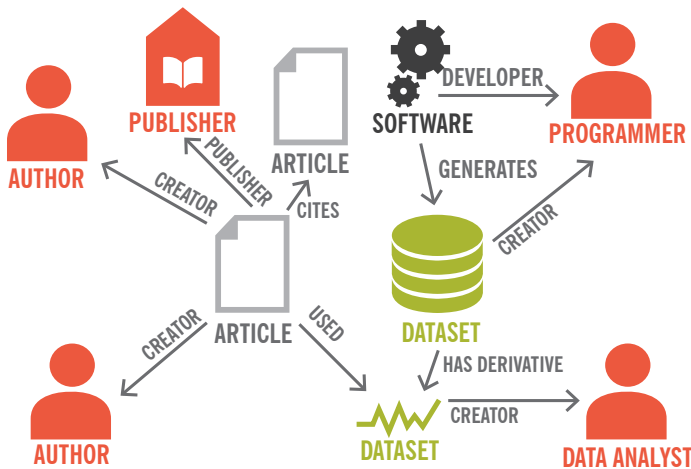
Create and read RDF data through a REST API

Events captured to preserve provenance of graphs created

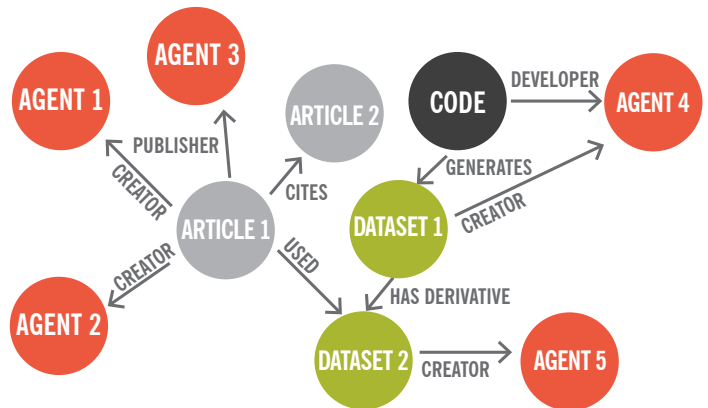
Retrieve a graph of all relationships for any resource in RMap

HOW IT WORKS

1 This publication has multiple distributed components, and a handful of contributors with different roles



2 With URIs representing each item this information can be conceived as a linked data graph. In RMap this graph is called a "DiSCO"*



3 Different institutions may create DiSCOs representing different aspects of the same objects

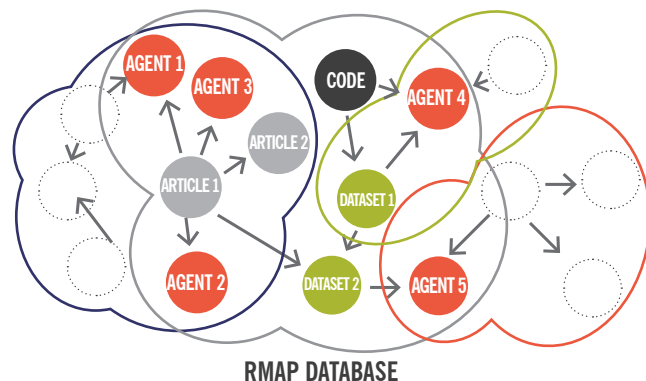
RMap DiSCO
Source: Researcher

RMap DiSCO
Source: Publisher

RMap DiSCO
Source: Identity Provider

RMap DiSCO
Source: Data Repository

4 DiSCOs deposited as RDF through REST API (POST /discos/)



5 Data can be retrieved through RMap REST API requests