Pathways Core: A Data Model for Cross-Repository Interoperability
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Repository Layer
A number of heterogeneous repositories implement obtain and harvest interfaces from which surrogates of digital objects can be requested. A surrogate is a secondary version of a digital object in accordance with the Pathways Core Data Model.

Pathways Core Surrogate
Ed obtains surrogates of an article from arXiv, DSpace, and aDORe. He then assembles them into a new issue of the journal. The overlay journal repository supports the obtain interface so as to surrogates for the journal issue can be retrieved. The provenance of each article is accurately recorded through lineage links to the original surrogates.

Value-Added Services

Pathways Core Surrogate
An editor collects article surrogates from different repositories, deposits them into the overlay journal repository via the put interface, and then assembles them into a new issue of the journal. The overlay journal repository also supports the obtain interface so as to surrogates for the journal issue can be retrieved. The provenance of each article is accurately recorded through lineage links to the original surrogates.