

LinkedPipes Applications

ESWC
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Demo

Automated Discovery of Configurable Linked Data Applications

*Jakub Klímek, Altynbek Orumbayev, Marzia Cutajar,
Esteban Jenkins, Ivan Latták, Alexandr Mansurov and Jiří Helmich*

Journalist



Wants to illustrate their article using interactive data app. Wants to, e.g. restrict filters the readers can (need to) use.

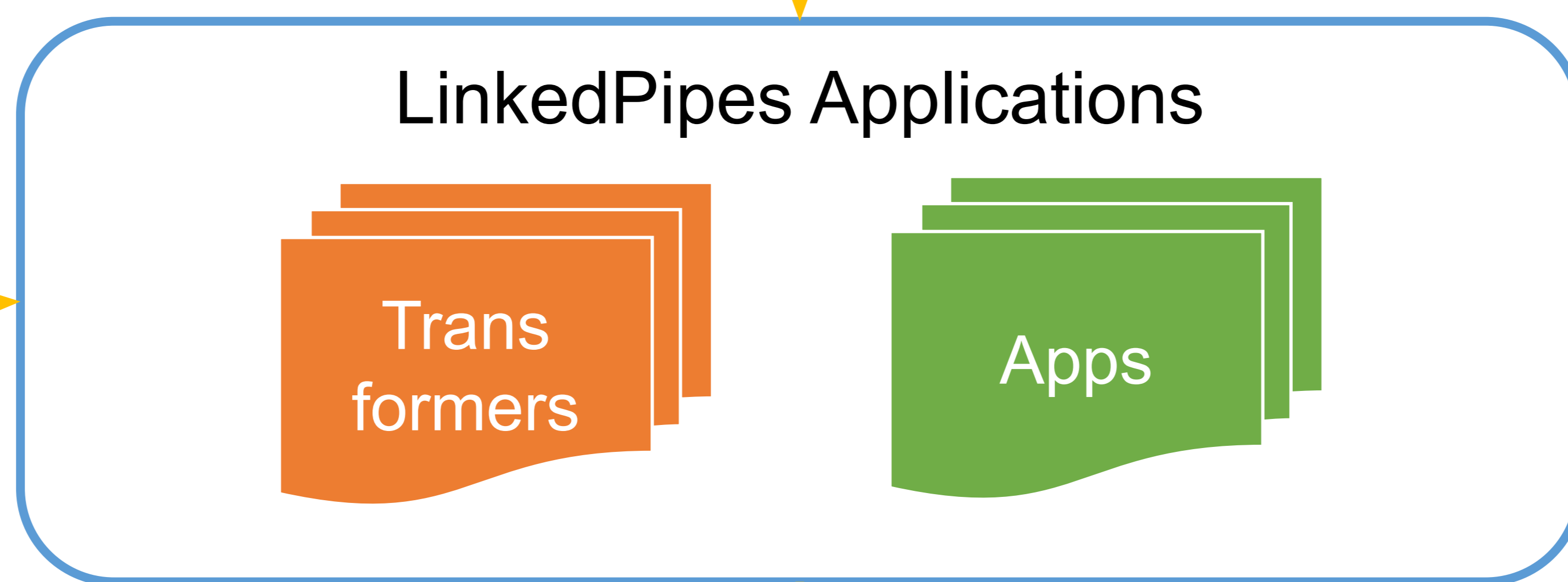
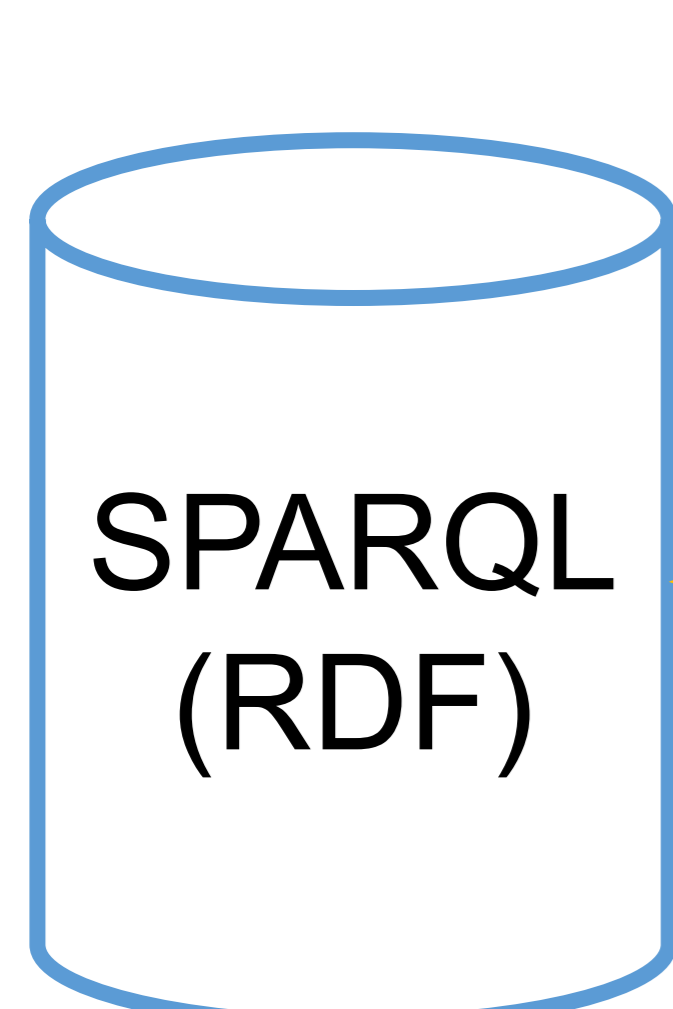
Reader



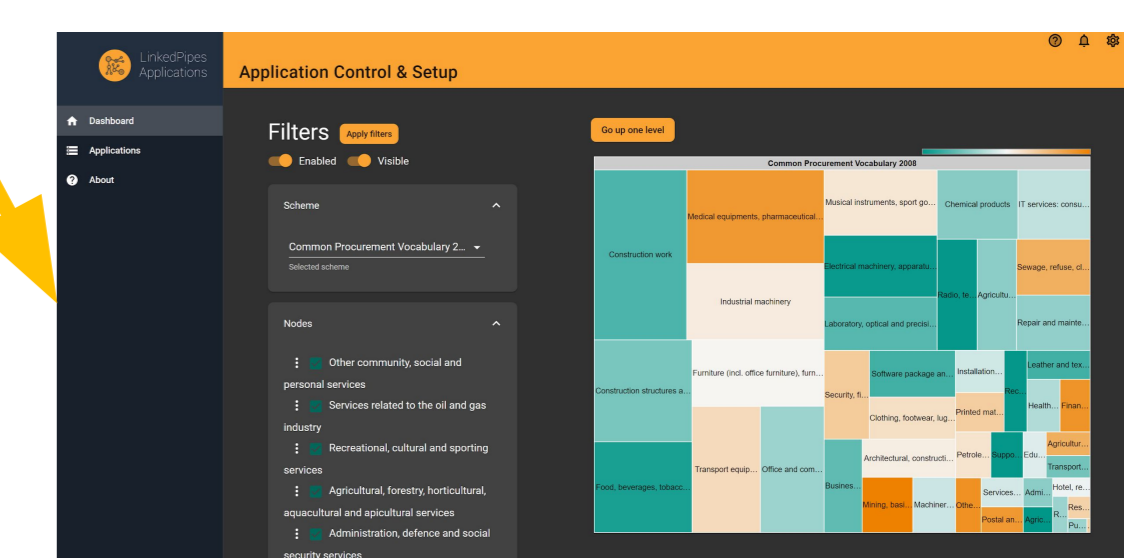
News reader. Sees an article illustrated with interactive data app. Uses filters, etc. to play with it.

2. Automated discovery of applicable apps

1. SPARQL endpoint URL specification

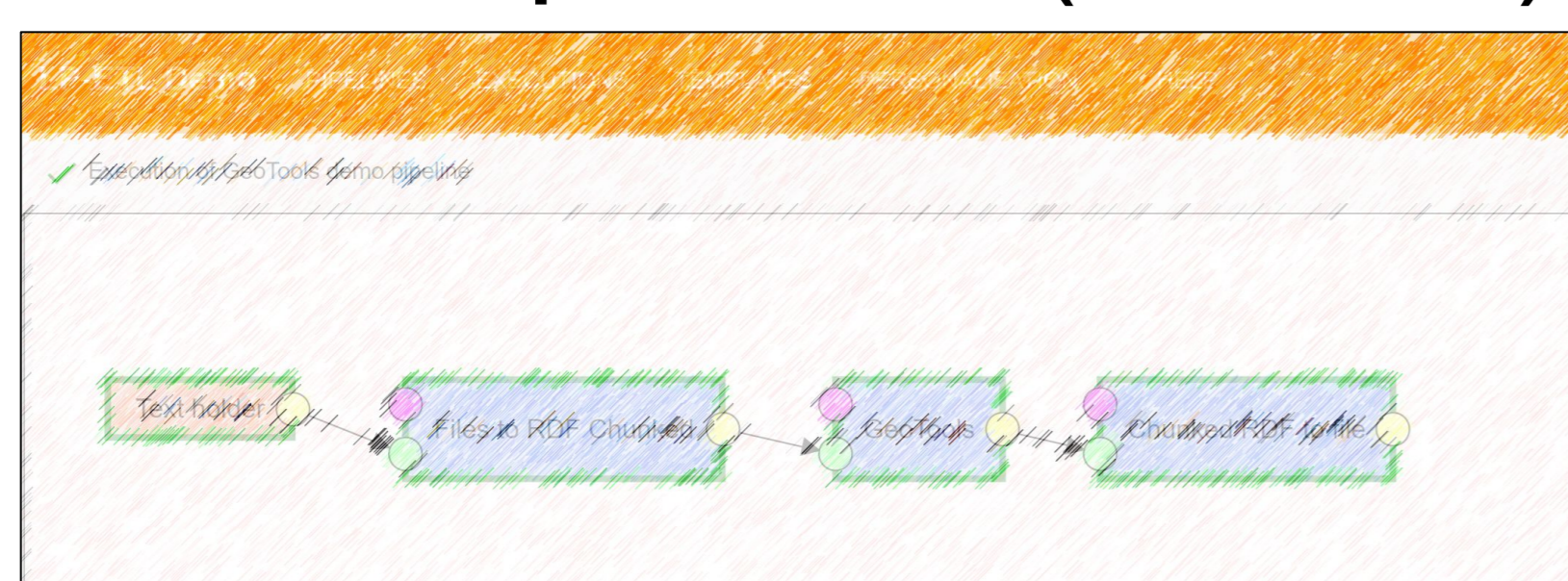


3. App preview and selection



4. Automated creation of an ETL process

LinkedPipes ETL (LP-ETL)



5. First execution of the ETL process

8. Scheduled data refresh

6. App configuration

- stored in Solid POD
- collaborative editing
- filter enable/disable
- pre-selection of filters
- ...



7. App publication

- iframe - for embedding in web pages
- standalone page



Note

When the SPARQL endpoint URL is specified (1), a data sample URL needs to be specified as well at the moment. The sample can be obtained using dataset profiling techniques, but this is currently not incorporated into LP-APPs.