ODCleanStore

ETL Tool for RDF Data

Tomas Knap

Charles University in Prague,
Department of Software Engineering,
XML and Web Engineering Research Group

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Motivation

- Tools available for RDF data extraction, enrichment, linking, transforming, ...
- No tool for flexible management of RDF data extraction/transformation **tasks**
  - task = progression of data processing units (DPUs)
    - Extract data from SPARQL Endpoint A
    - Extract data from CSV files B
    - Refine data with SPARQL queries X,Y, Z
    - Deduplicate data using Linker L
    - Publish data to SPARQL Endpoint B

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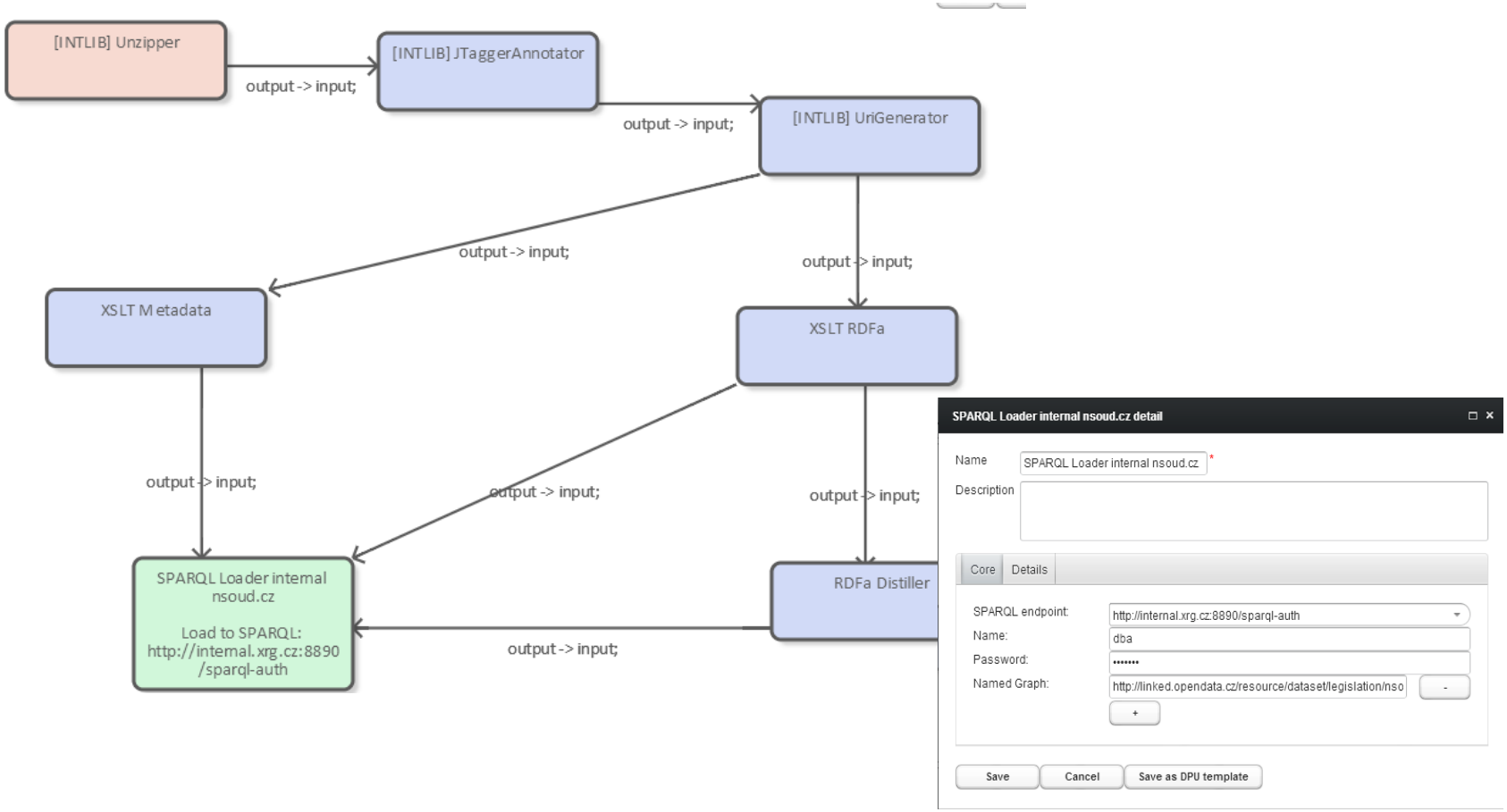
ETL Task



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ODCleanStore

- Framework for managing ETL tasks and data processing units (DPUs)
- Developed in the EU FP7 Project COMSODE. Based on the previous development effort at Charles University in Prague (with support from Semantic Web Company, Austria)

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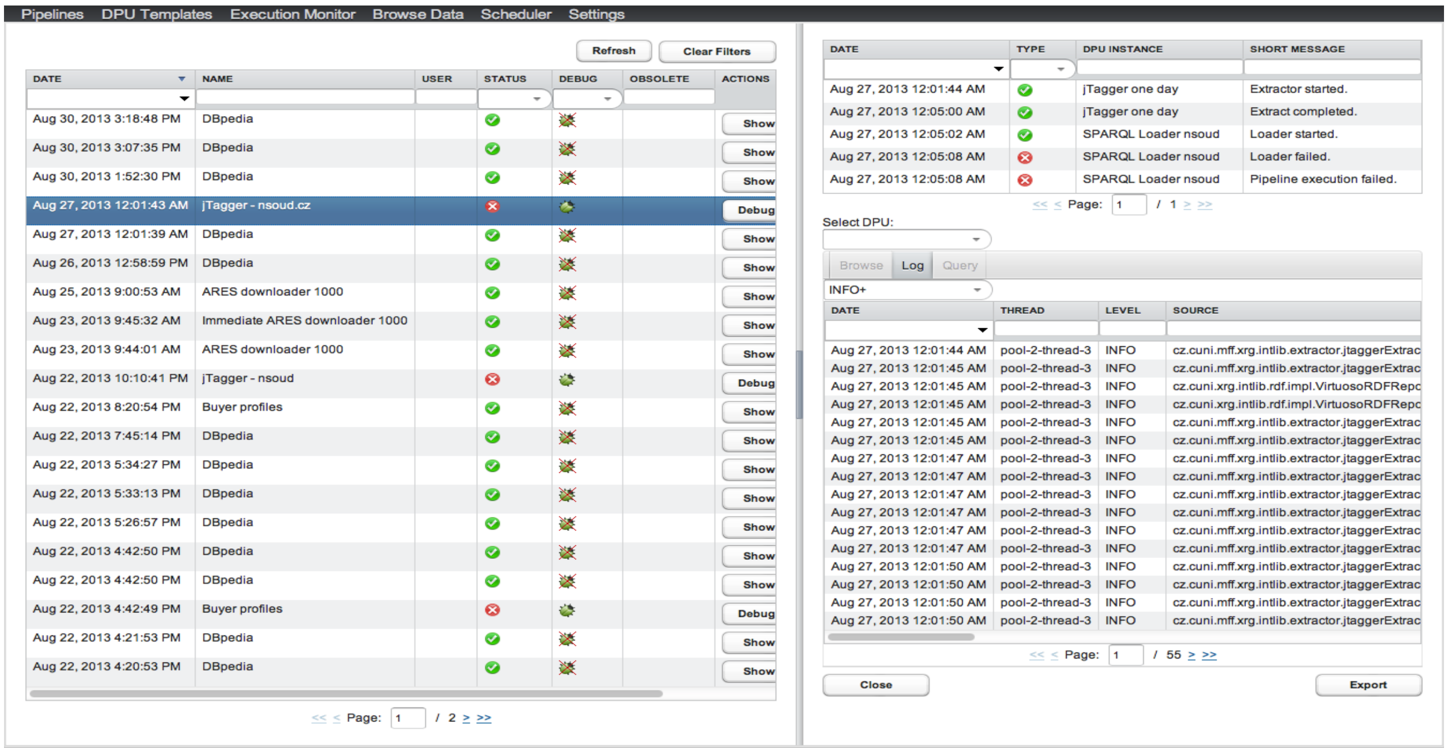
Key Features

- Administration interface to create/configure/manage tasks, DPUs
  - Possibility to schedule tasks
    - Time based, chaining of tasks
  - Possibility to debug tasks, browse logs/events produced by DPUs
  - Multi-user environment, possibility to share pipelines, DPUs
- Robust engine running the tasks
- Core DPUs available
  - Easy way how to add your own DPUs

Demo

- http://odcs.xrg.cz:8080/odcleanstore/



COMSODE Project

- EU FP7 project
- Goals: to provide publication platform for publishing (Linked) Open Data, enable searching on top of the published data
  - It will use ODCleanStore for preparing the data
  - Proofed on datasets from various institutions
  - We are just starting, building the user group!
    - Please contact me if your institution would like to participate
  - To follow the news: FP7 COMSODE linkedIn Group
  -

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Conclusions

- ODCleanStore
  - Framework for managing ETL tasks and data processing units (DPUs)
  - Developed in COMSODE project
- Used:
  - in COMSODE Project
  - in Open Data activities in Czech Republic
  - by Semantic Web Company and their customers (planned)
  - LOD2 stack (in preparation)

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Thank You!

- Would you like to try ODCleanStore?
  - http://www.ksi.mff.cuni.cz/~knap/odcs/
- Would you like to know more about the tool? Would you like to participate in the user group of COMSODE?
  - knap@xrg.cz

www.comsode.eu

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