

# Entity Reconciliation





# What is Entity Reconciliation?

Match text against data source; retrieve identifier

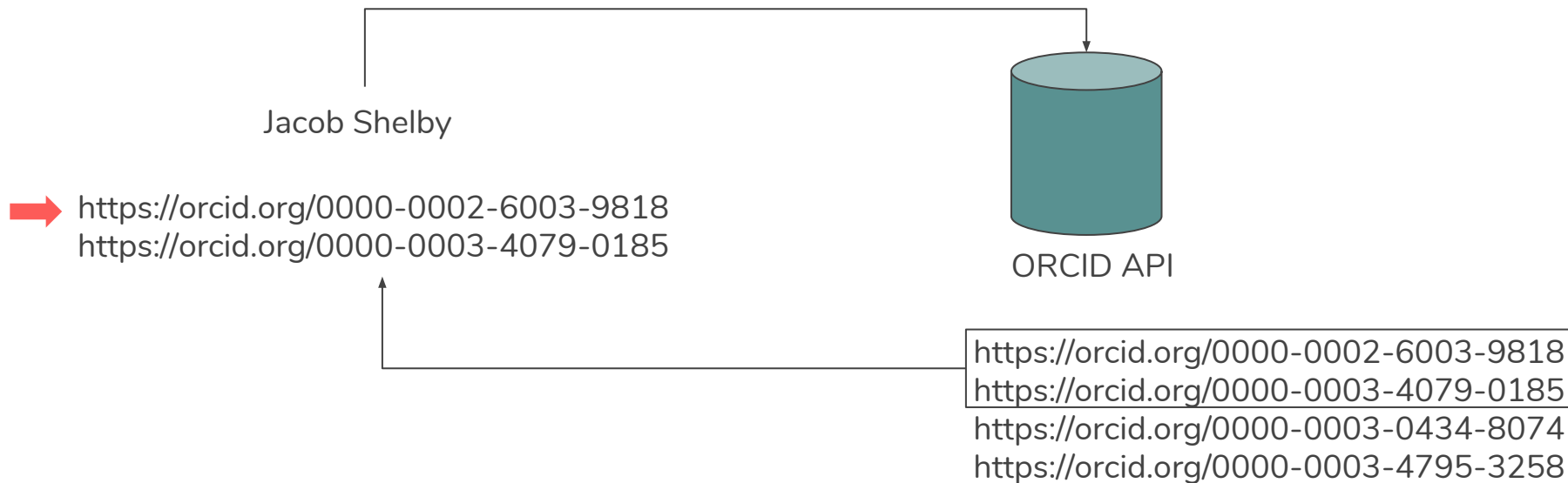
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# How?





# How?

Data source

VIAF

Reconciliation service

<http://refine.codefork.com/reconcile/viaf>

Reconciliation tool

OpenRefine

[More on entity reconciliation and OpenRefine](#)



# Why do Entity Reconciliation?

Disambiguation

Jacob Shelby

Shelby, Jacob

Shelby, J. T.

Jacob Shelby (librarian)

Jacob Shelby (composer)



# Why do Entity Reconciliation?

Enhance textual data in order to connect to more information, add context

Prepare for transformation to linked data: the more URIs the better



# Workflow: Extract, Transform, Load

## Extract

- Data from an existing data store

## (Enhance)

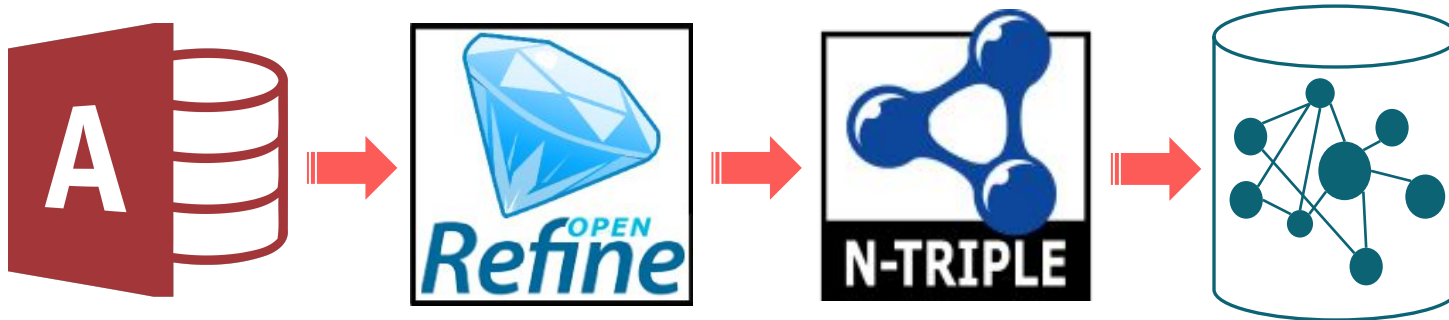
- Data with more identifiers and relationships

## Transform

- Enhanced data into linked data

## Load

- Linked data into another data store





# Example: Organization Name Linked Data

Transform organization name authority data into linked data

Data enhancement through entity reconciliation

OpenRefine script to pull in identifiers (URIs) from VIAF, LCNAF, ISNI, DBPedia





# Activity Instructions

See

<https://github.com/eightBitter/erl2018-linked-data-workshop/blob/master/entity-reconciliation/activity-instructions.md>