

ID Management

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Agenda

- Generating IDs
- Maintaining IDs
- Propagating IDs

In context of Capturing, Editing,
Generalisation, Data Hubs

Generating IDs



Persistent



Universally Unique



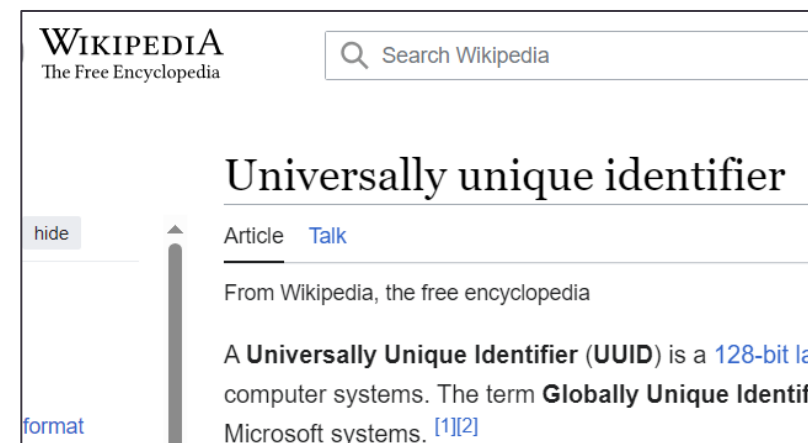
Avoid Semantics



Avoid Sequences

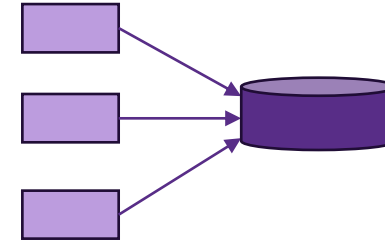


fc0de467-23e5-4c72-9f4e-e4ce370f0a8c



Maintaining IDs

- Data Hub: Generate System IDs?
 - Federated vs Centralised
 - Namespaces
 - Ingest Rules
- Manual Data Maintenance Tools
 - Grow, shrink, merge, reshape, split
 - Survey Rules

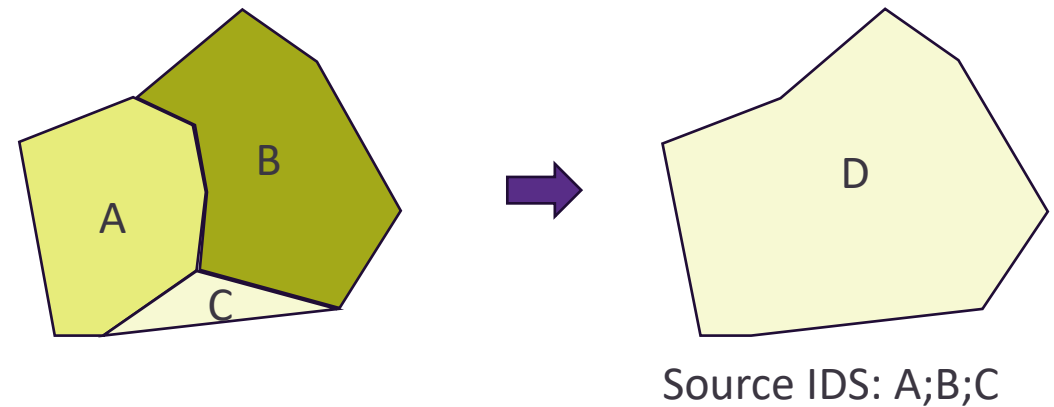
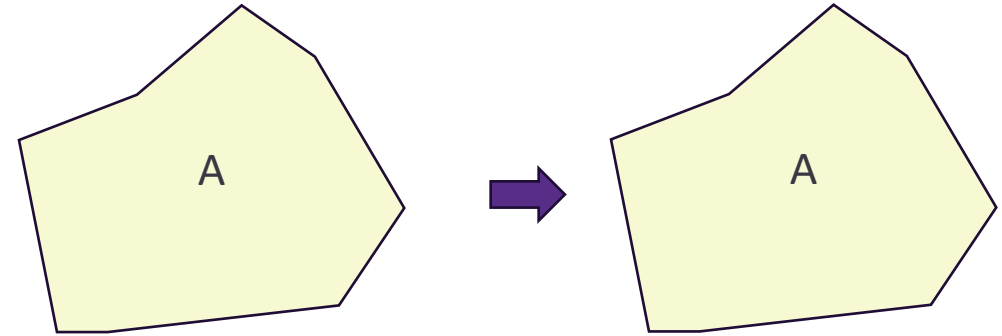


<input checked="" type="checkbox"/> Buildings...	<input checked="" type="checkbox"/> BLD-1 Building.polygons must not overlap existing	Processed 8	Conformance 87.5%
<input checked="" type="checkbox"/> Duplicate...	<input checked="" type="checkbox"/> BLD-2 Building.polygons must not have duplicate...	Processed 8	Conformance 100%
<input checked="" type="checkbox"/> Kickbacks	<input checked="" type="checkbox"/> BLD-3 Building.polygons must not have Kickbacks	Processed 8	Conformance 100%
<input checked="" type="checkbox"/> Spikes	<input checked="" type="checkbox"/> BLD-4 Building.polygons must not have Spikes	Processed 8	Conformance 100%
<input checked="" type="checkbox"/> Buildings...	<input checked="" type="checkbox"/> BLD-5 Building.polygons must not overlap self	Processed 8	Conformance 37.5%



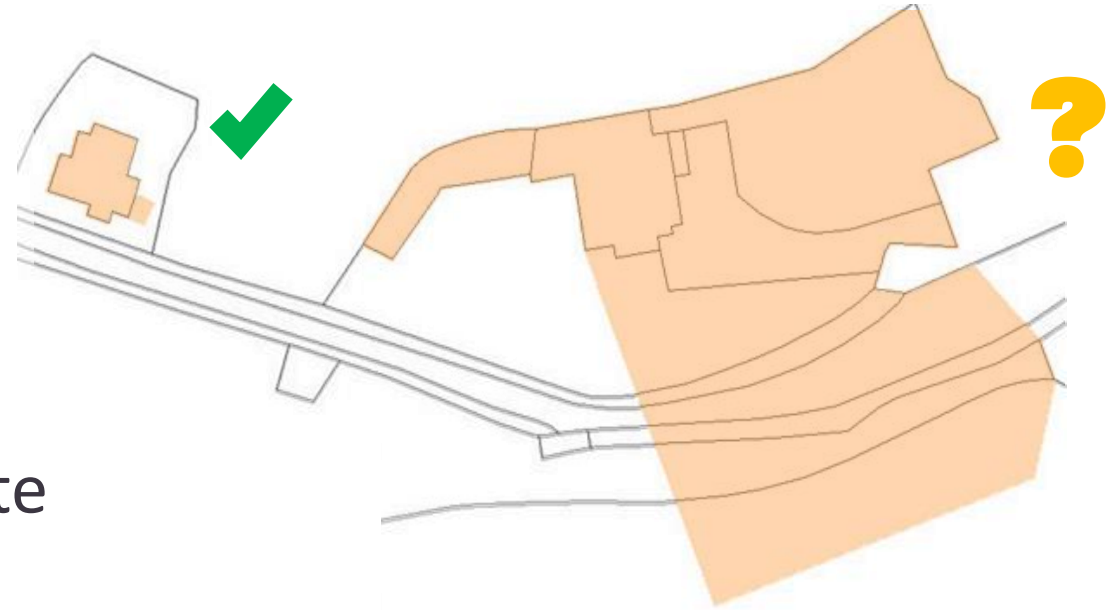
Propagating IDs

- Data Production Flows (1-1)
 - Versioning Dataset vs Object
 - Data Quality Reports
- Generalisation/Aggregation
 - Provenance Rules



Benefits for Customers

- Change-only-Update
- Link to reference object
 - Change detection
 - Impact Assessment -> Auto update
- Collaboration by ID sharing



Thank you

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