

Distributed data Entity-by-entity





50-PH50A	Submerged Pump	System 50	1460.0	16.0
50-PA52	Centrifugal Pump	System 50	150.0	3.8



50-PH50B	Submerged Pump	System 50	1460.0	16.0	



Distributed data Entity-by-entity





TagNumber	Туре	SystemNumber	DesignFlow (m3)	DiffPressure (barg)
50-PH50A	Submerged Pump	System 50	1460.0	16.0
50-PA52	Centrifugal Pump	System 50	150.0	3.8



TagNumber	Туре	SystemNumber	DesignFlow (m3)	DiffPressure (barg)
50-PH50B	Submerged Pump	System 50	1460.0	16.0

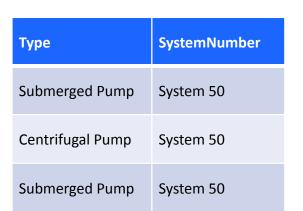


Distributed data

Property-by-Property









DesignFlow (m3)	DiffPressure (barg)
1460.0	16.0
150.0	3.8
1460.0	16.0



Distributed data

Property-by-Property





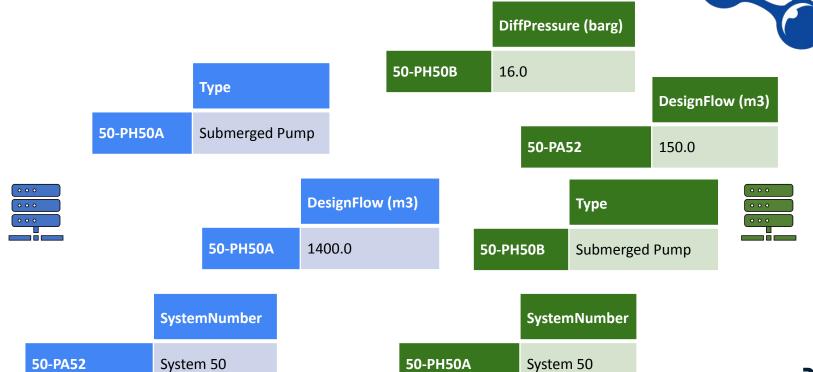


	Туре	SystemNumber
50-PH50A	Submerged Pump	System 50
50-PA52	Centrifugal Pump	System 50
50-PH50B	Submerged Pump	System 50

	DesignFlow (m3)	DiffPressure (barg)
50-PH50A	1460.0	16.0
50-PA52	150.0	3.8
50-PH50B	1460.0	16.0



Distributing data Cell-by-cell





Reordering the boxes



50-PH50A

Type

Submersible Pump

50-PH50A

SystemNumber

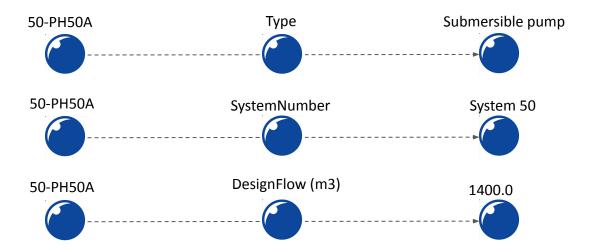
System 50

50-PH50A

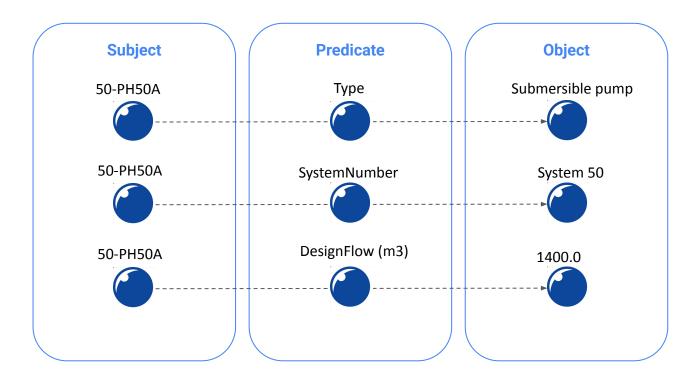
DesignFlow (m3)

1400.0

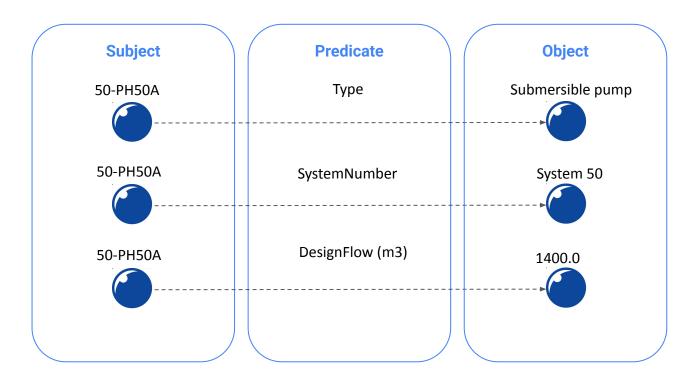




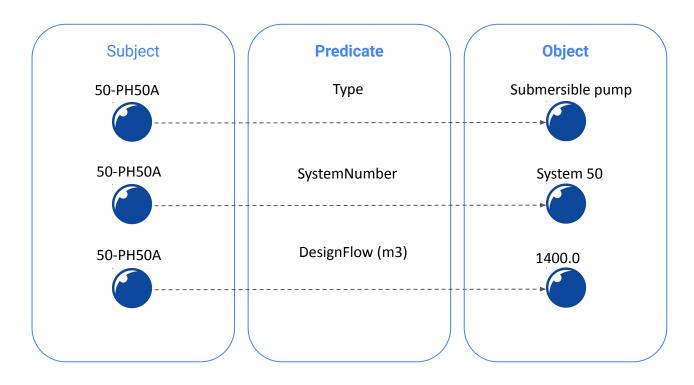






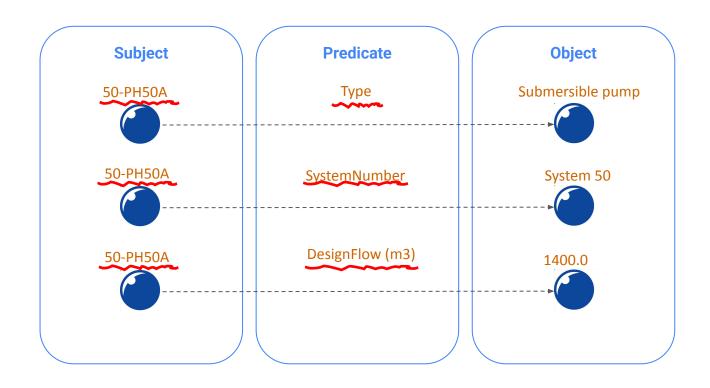






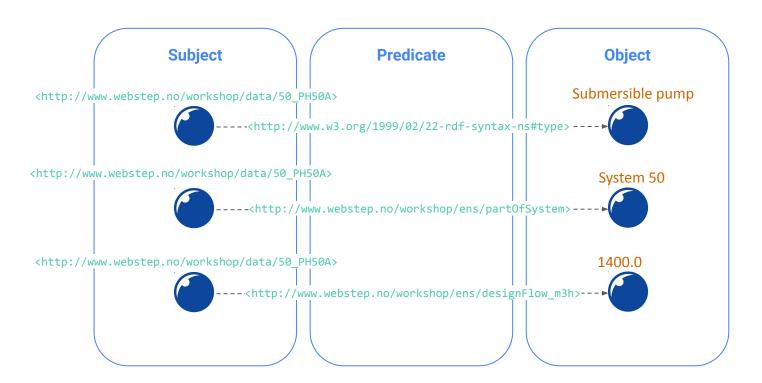


RDF triples



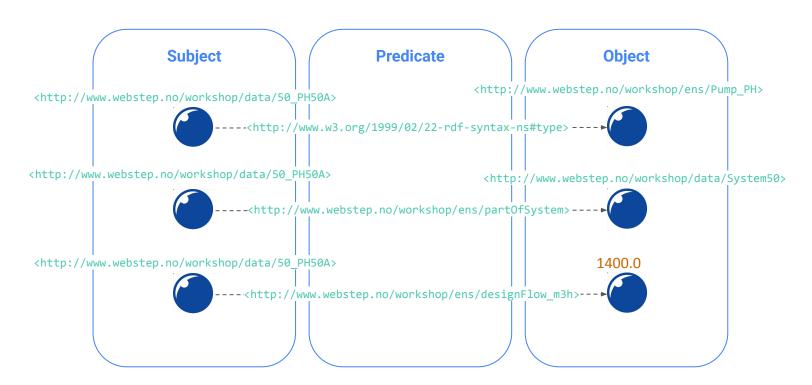


RDF triples



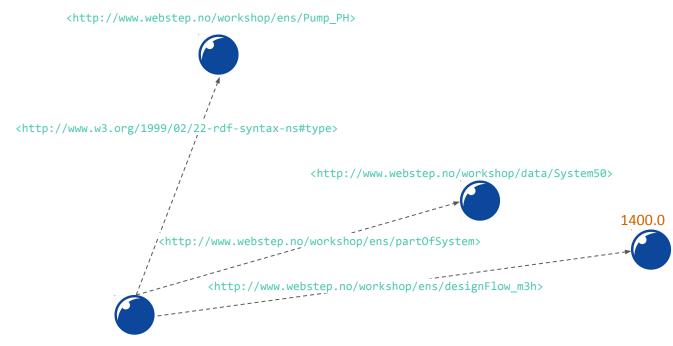


RDF triples



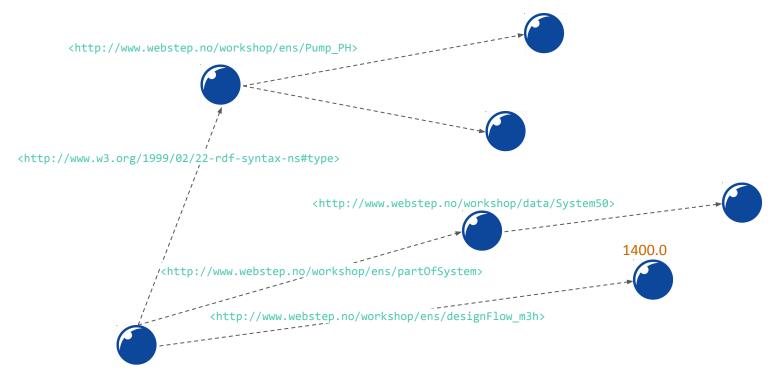


Contours of a graph





Contours of a graph





RDF Concepts vocabulary

http://www.w3.org/1999/02/22-rdf-syntax-ns#

1. Express graphs

- rdf:Statement abstract class for reified triples.
- rdf:subject, rdf:predicate, rdf:object link a reified rdf:Statement to its components.

2. Describe resources

 rdf:value – a generic property often used as "main value" of something.

3. Classify resources

• rdf:type – asserts membership of a resource in a class.

4. Represent literals

- rdf:langString class of plain language-tagged strings.
- rdf:PlainLiteral (legacy).
- rdf:XMLLiteral literal content in XML.
- rdf:HTML, rdf:JSON literal datatypes for structured markup/data.

5. Represent lists

- rdf:List class of well-formed RDF lists.
- rdf:first points to the first element of a list.
- rdf:rest points to the rest of the list.
- rdf:nil denotes the empty list.

6. Represent (historical) containers

- rdf:Bag, rdf:Seq, rdf:Alt container classes.
- rdf:_1, rdf:_2, ... container membership properties.

