

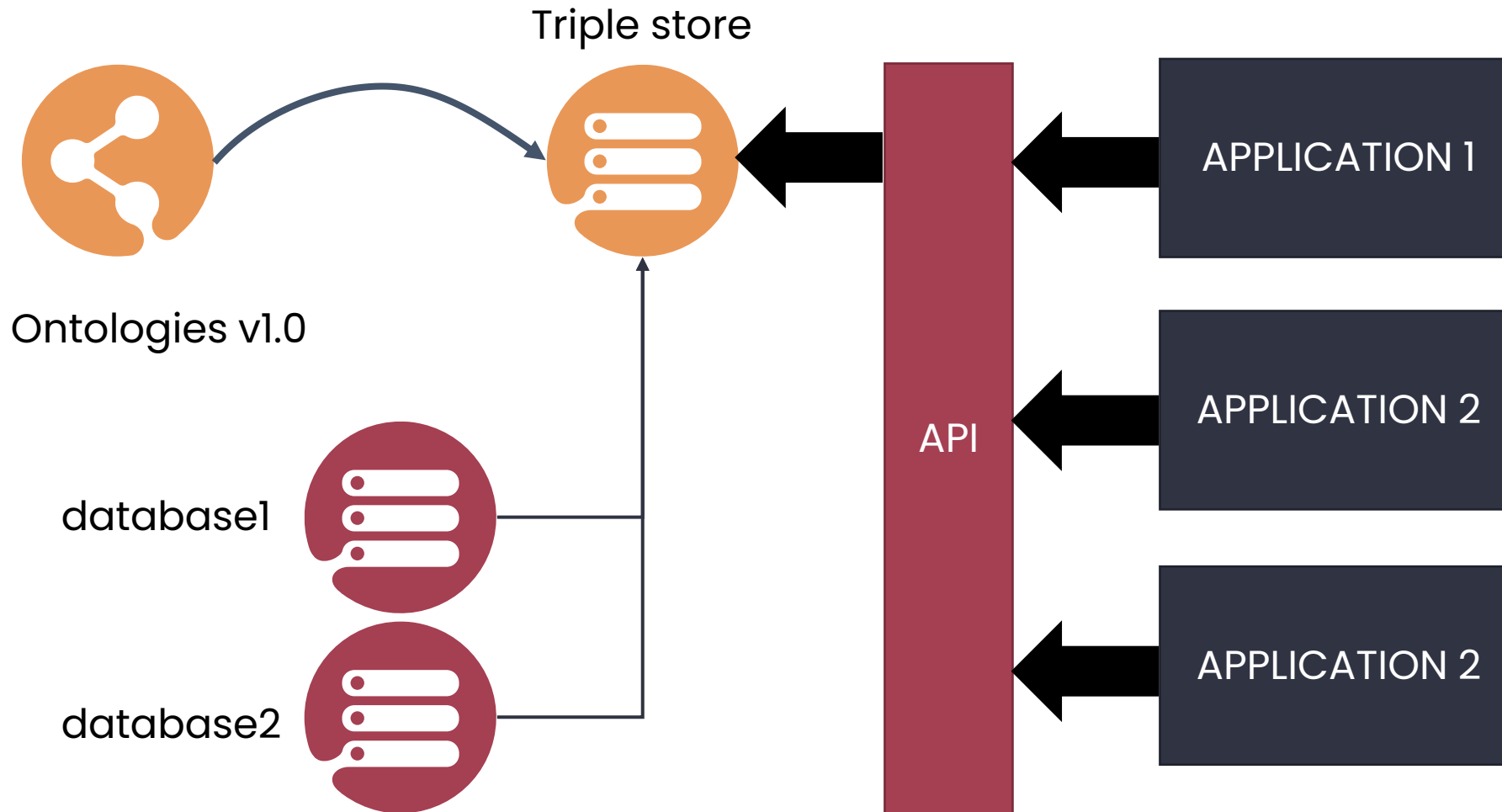
ONTOLOGY VERSIONING

OPEN INDUSTRIAL DIGITAL
ECOSYSTEM SUMMIT

2024-02-09

ONTOLOGY VERSIONING

HIGH LEVEL INFRASTRUCTURE



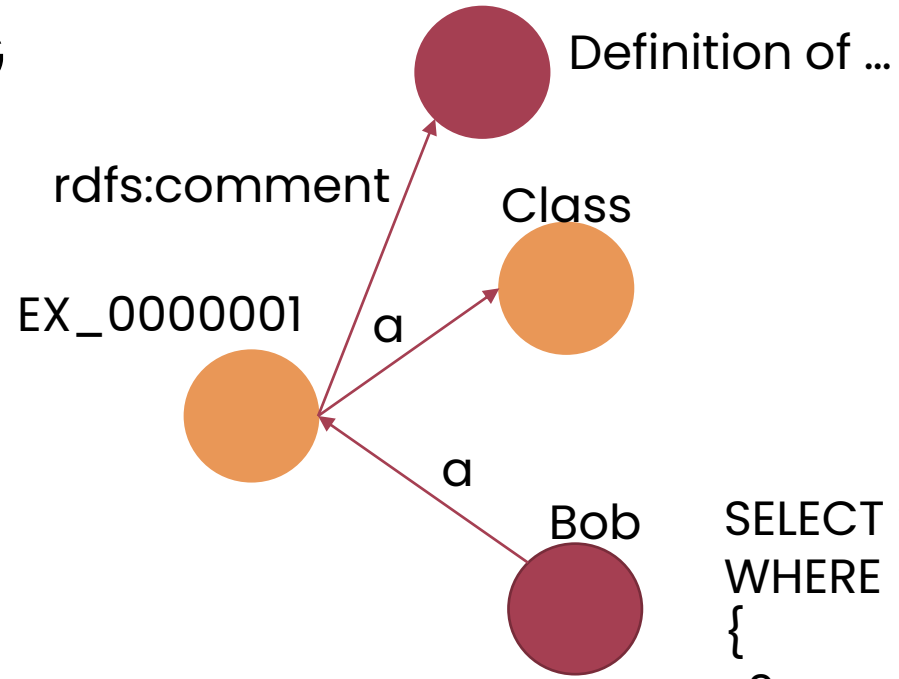
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EXEMPLE OF IRI CHANGE

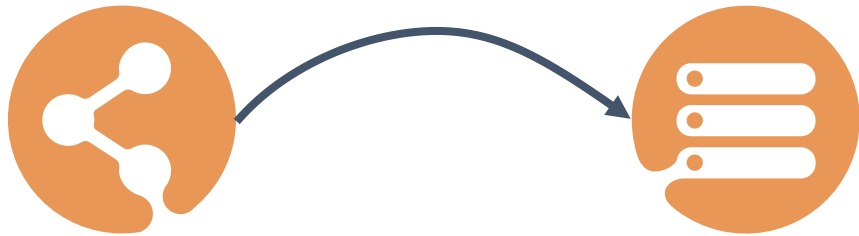


Ontologies v1.0

Triple store

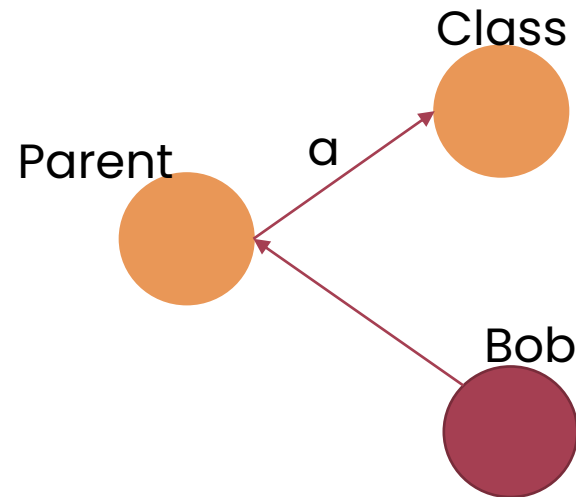


```
SELECT ?parent
WHERE
{
  ?parent a :EX_0000001.
  :EX_0000001 rdfs:comment
  ?def.
}
```



Ontologies v1.2

Triple store



ONTOLOGY VERSIONING

QUESTIONS

- Are there tools to help users migrate ontologies between versions?
- Strategy for deprecation?
- Equivalency classes and properties are fine in theory, but a lot of solutions (triple stores) have a huge performance hit when they are used?