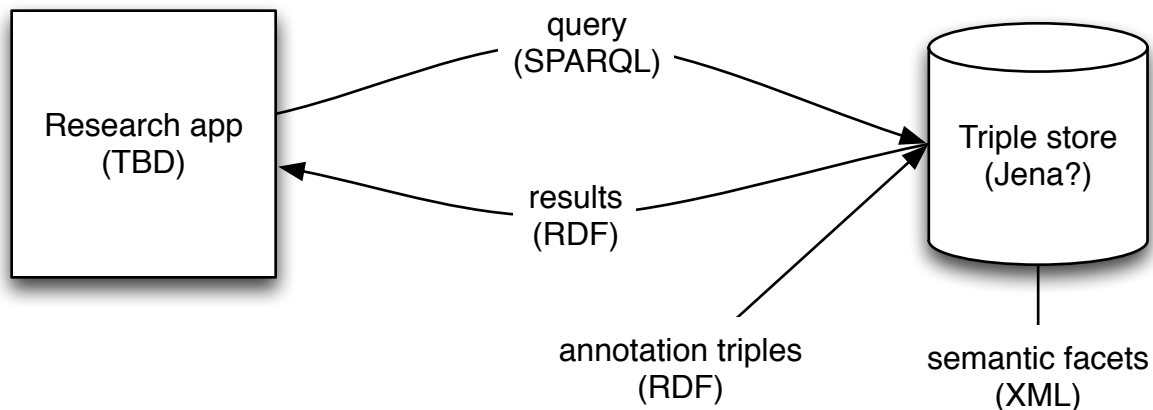
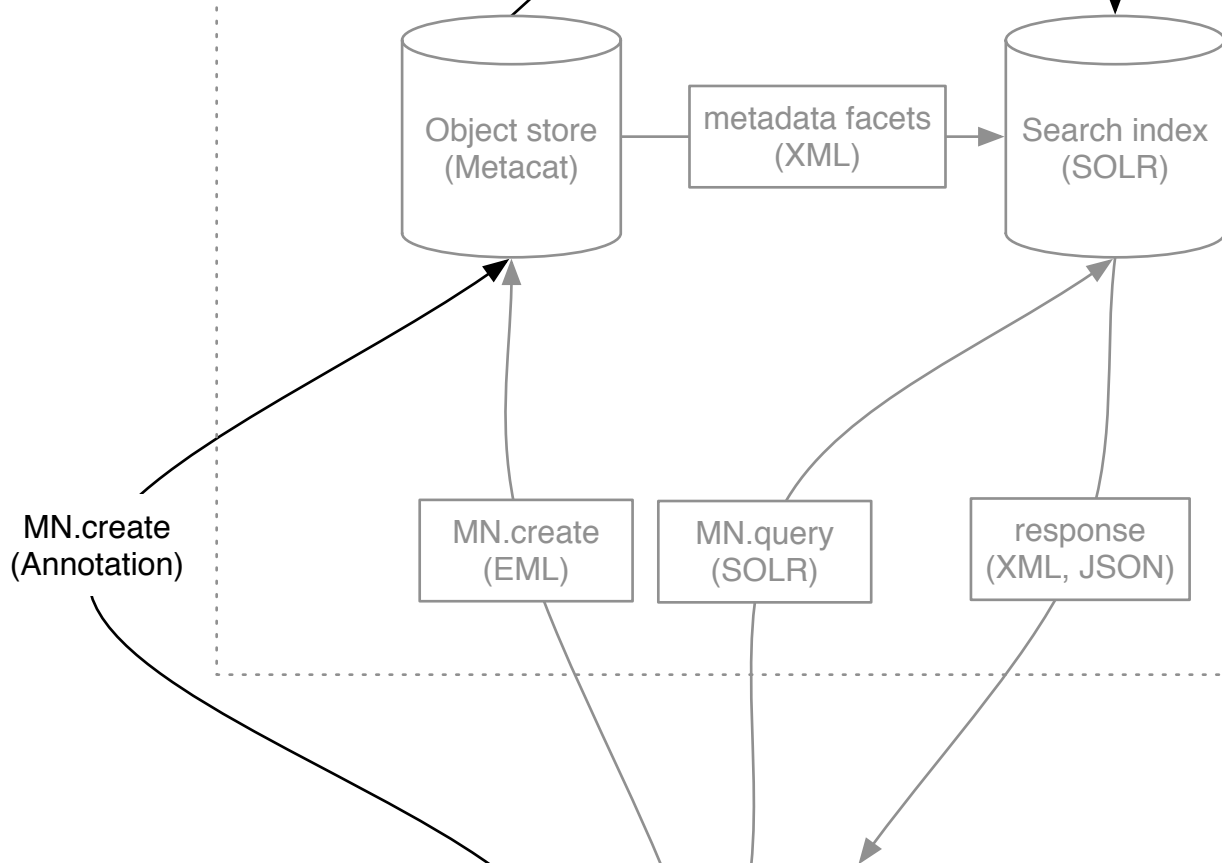


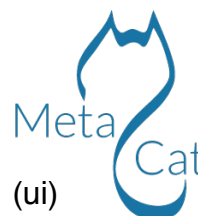
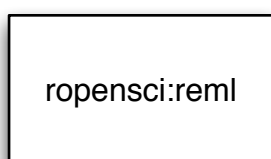
Semantic extensions



Existing infrastructure



Clients



NOTES

In this example data package annotation:

- the EML metadata has 1 data file
- the EML has been updated once with a new revision*
- the data table has 3 columns (patient, weight, height)
- there are 2 different users annotating the package

Triples

Original annotation

```
-----  
<ann.1.1> createdBy <user.1>  
<ent.1.1> annotatedBy <ann.1.1>  
<ent.1.1> describedBy <eml.1.1>  
<ent.1.1> hasData <data.1.1>  
<ent.1.1> hasMeasurement <#patient>  
<ent.1.1> hasMeasurement <#weight>  
<ent.1.1> hasMeasurement <#height>  
<#patient> ofCharacteristic <Name>  
<#weight> ofCharacteristic <Mass>  
<#height> ofCharacteristic <Length>  
<#patient> usesStandard <???>  
<#weight> usesStandard <Gram>  
<#height> usesStandard <Meter>
```

More OBOE, etc.

Metadata is revised

```
-----  
<eml.1.1> obsoletedBy <eml.1.2>  
if metadata revision was insignificant*, we leave the entity annotation intact  
    <ent.1.1> describedBy <eml.1.2>  
otherwise, we create a new entity annotation  
    <ent.2.1> describedBy <eml.1.2>  
    <ent.2.1> annotatedBy <ann.2.1>  
    <ent.2.1> hasMeasurement etc.
```

Alternate annotation (different interpretation of data columns)

```
-----  
<ent.3.1> annotatedBy <ann.3.1>  
<ent.3.1> describedBy <eml.2.1>  
<ent.3.1> hasData <data.1.1>  
<ent.3.1> hasMeasurement etc.
```

*Not sure how/who determines if the change is significant