

# A truly Read-Write Web for machines as the next generation Web?

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# Prerequisites

# Read-write Linked Data principles



# Data Provenance & Trust



# Data Permissions

Permission	Roles					
	Anonymous	Authenticated	Editor	Manager	Member	Owner
Access Transient Objects	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access arbitrary user session data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access contents information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access session data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Add Accelerated HTTP Cache Managers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Browser ID Manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Database Methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Documents, Images, and Files	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add External Methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Folders	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add MailHost objects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Page Templates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Functional Descriptions

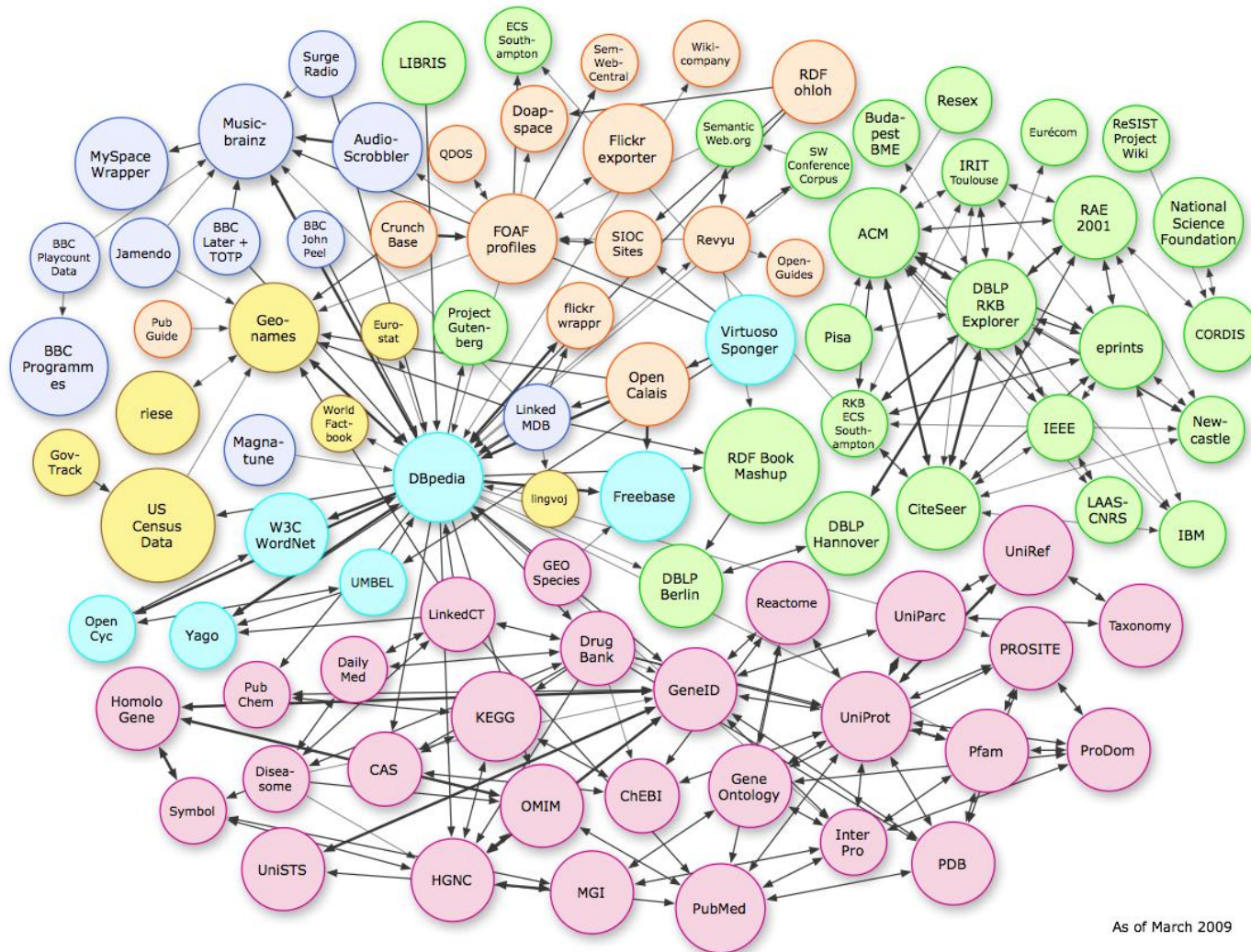


```

{
  ?photo :photoid ?id.                                RESTDesc
                                                       description
}
=>
{
  _:request http:methodName "GET";
    tmpl:requestURI ("/photos/" ?id "/height");
    http:resp [ tmpl:represents ?pixels ].
  ?photo :height ?pixels.
}.
  
```

# Impact

# Datasets





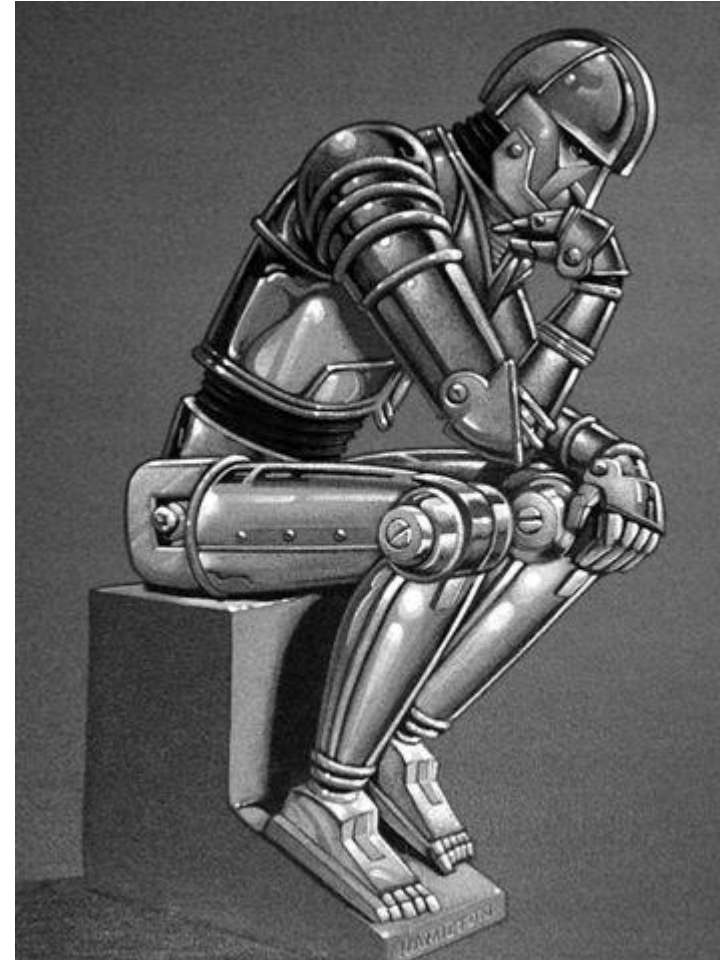
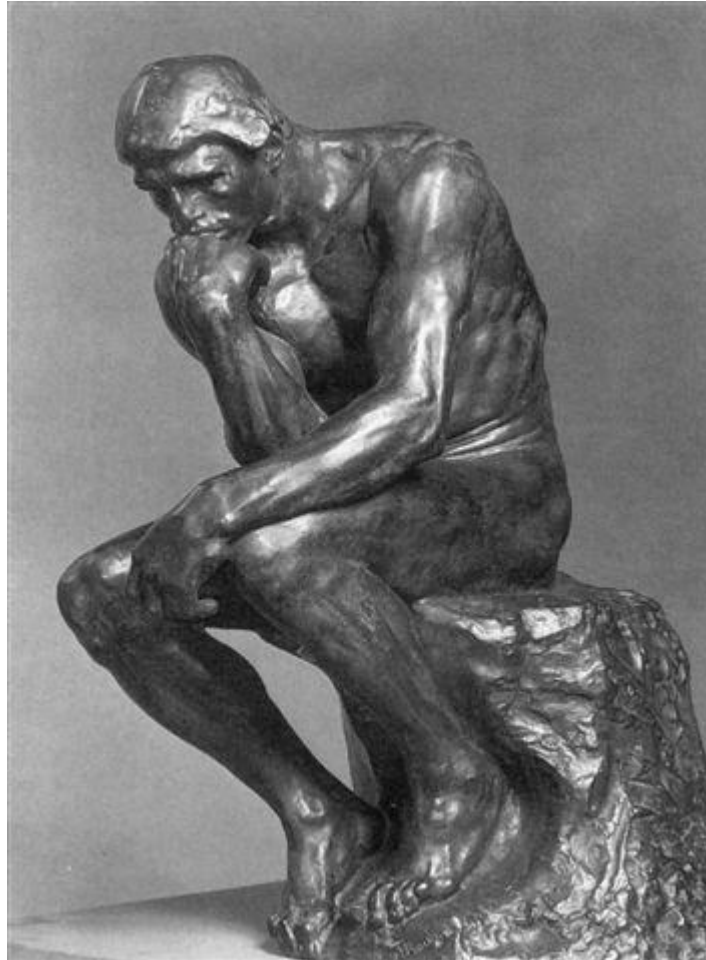
## Schemas

ORE SIOC SKOS  
BasicGeoRDFSVCARD FOAF  
WOTMusicOntology DOAP  
CreativeCommons PROV-O  
CIDOCDublinCore FRBR  
MARCLoDE OWL  
GoodRelations  
PREMIS

# Web Services



# Reasoning



# Application Areas

# Web of Things



# Advanced Personalisation

