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

<table>
<thead>
<tr>
<th>Permission</th>
<th>Roles</th>
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<tbody>
<tr>
<td></td>
<td>Anonymous</td>
</tr>
<tr>
<td>Access Transient Objects</td>
<td>☑</td>
</tr>
<tr>
<td>Access arbitrary user session data</td>
<td>☑</td>
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<tr>
<td>Access contents information</td>
<td>☑</td>
</tr>
<tr>
<td>Access session data</td>
<td>☑</td>
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<tr>
<td>Add Accelerated HTTP Cache Managers</td>
<td>☑</td>
</tr>
<tr>
<td>Add Browser ID Manager</td>
<td>☑</td>
</tr>
<tr>
<td>Add Database Methods</td>
<td>☑</td>
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<tr>
<td>Add Documents, Images, and Files</td>
<td>☑</td>
</tr>
<tr>
<td>Add External Methods</td>
<td>☑</td>
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<tr>
<td>Add Folders</td>
<td>☑</td>
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<tr>
<td>Add MailHost objects</td>
<td>☑</td>
</tr>
<tr>
<td>Add Page Templates</td>
<td>☑</td>
</tr>
</tbody>
</table>
Functional Descriptions

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

RESTDesc
description
Impact
Schemas

ORE SIOC FOAF SKOS
BasicGeo RDFS VCard DOAP
WOT MusicOntology PROV-O GoodRelations
CreativeCommons PROV-O
CIDOC DublinCore FRBR
MARCLODE OWL
PREMIS
Web Services

- Pharmaceutical & Chemical
- Healthcare & Medical
- Engineering & Manufacturing
- Information Technology
- Retail
- Human Resource
- Marketing & Business Development
- Administration & Accounts

WEB
Reasoning
Application Areas
Web of Things
Advanced Personalisation