

Dynamic metadata : Fedora as a Semantic Object Store

Title	Dynamic metadata : Fedora as a Semantic Object Store
Primary Actor	Developer / Repository Manager
Scope	Technical
Level	pretty high
Story	<p>Researchers or curators generate supplementary metadata while working on a resource. This evolving metadata represents their intellectual endeavour and is part of the economic justification for maintaining the resource. Example: EMLO, Early Modern Letters Online <http://emlo.bodleian.ox.ac.uk/>. Fedora needs to allow this behaviour which, gives meaning, context and value to objects as well as allowing them to participate fully in the Semantic Web/LOD world.</p> <p>FOXML (or indeed any other approach such as METS) wraps metadata, introducing a bottleneck for resources with evolving metadata. All metadata have to be processed for update a resource which is at odds with the need to preserve some static metadata elements - unnecessary data handling introduces additional risk of corruption. A file system folder aggregates the metadata data streams that make up an object yet provides discrete access to different elements.</p> <p>Serialisation only makes sense when the object is written to offline storage such as tape where the presumption of update no longer exists.</p>