

Requirements - Requirement #412

(Requirement) Identifiers always refer to the same object

2010-03-24 15:47 - Dave Vieglaiss

Status:	New	Start date:	
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description <p>Identifiers are the fundamental mechanism for retrieving content from the DataONE system, and there is an expectation that an identifier will always refer to the same content.</p> <p>In the case of data, the bytes of the retrieved object must always be the same, regardless of which node it is being retrieved from (checksum consistency).</p> <p>In the case of science metadata, the behavior is not as precise. The original science metadata is always preserved (on a CN). The copies of science metadata distributed to Member Nodes <i>may</i> change depending on the functionality of the member node.</p> <p>Rationale</p> <p>Data consistency is an important aspect of preservation and enhances the re-use of information.</p> <p>Fit Criteria</p> <ul style="list-style-type: none">Independently computed checksums of a randomly selected data object drawn from any nodes match the original value in the system metadataObjects retrieved from a CN always match the system metadata checksum.			