Requirements - Requirement #411

(Requirement) The infrastructure must survive destruction of one or more data storage nodes

2010-03-24 15:32 - Dave Vieglais

Status:	New	Start date:	Start date:	
Priority:	High	Due date:		
Assignee:	Dave Vieglais	% Done:	0%	
Category:	d1_common_java	Estimated time:	0.00 hour	
Target version:				
Description				

Data storage nodes (Member Nodes or Coordinating Nodes) will go offline for various reasons - maintenance, hardware failure, decommissioning, etc. The infrastructure built by <u>DataONE</u> must not be adversely affected by such events.

Rationale

This is a requirement of content persistence $(\frac{#410}{)}$.

No systems have 100% uptime, and so we should design and plan for failure of MN or CN nodes.

Fit Criteria

• XX% of all Data remains available if XX% of member nodes go offline

• The infrastructure remains functional if two CNs go offline