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:**	
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 [DataONE](#) must not be adversely affected by such events.

Rationale

This is a requirement of content persistence ([#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