

Infrastructure - Task #1789

Task # 1782 (Closed): CN Replication components should be separated for scalability

Integrate replication queues and maps into Hazelcast processing cluster

2011-09-11 21:12 - Chris Jones

Status:	Closed	Start date:	2011-09-11
Priority:	Normal	Due date:	
Assignee:	Robert Waltz	% Done:	100%
Category:	d1_replication	Estimated time:	0.00 hour
Target version:		Story Points:	
Milestone:	CCI-0.6.4		
Product Version:	*		

Description

The ReplicationService class was previously only connecting to a single Hazelcast cluster. It is now defined as ReplicationManager, and will connect to the storage cluster initiated by Metacat as a HazelcastClient and to the processing cluster initiated by the batch daemon as a HazelcastInstance cluster member. The queues and maps defined in "this configuration file": https://repository.dataone.org/software/cicore/trunk/cn/d1_replication/src/main/resources/hazelcast.xml should be integrated into the default configuration file for the processing cluster.

Specifically, add the hzReplicationTasks queue, the hzReplicationTasksMap map (that backs the queue), and the hzPendingReplicationTasks map. The hzSystemMetadata map will be added to the Metacat storage cluster, so it doesn't need to be transferred.

History

#1 - 2011-09-11 21:12 - Chris Jones

- Subject changed from *Integrate replication queus and maps into Hazelcast processing cluster* to *Integrate replication queues and maps into Hazelcast processing cluster*

#2 - 2011-09-28 19:22 - Robert Waltz

- Status changed from *New* to *Closed*