Infrastructure - Story #8639

Replication performance is too slow to service demand

2018-07-04 11:17 - Dave Vieglais

Status:	New		**Start date:**	2018-07-04
Priority:	Normal		**Due date:**	
Assignee:	Chris Jones		**% Done:**	0%
Category:	d1_replication		**Estimated time:**	0.00 hour
Target version:				
Story Points:	20			

Description

The replication process is operating too slowly to service demand resulting in lengthy delays to completion of replication tasks for new and changed content.

This is particularly apparent in the stage environment where perhaps the number of orphaned objects and deprecated / defunct nodes is interfering with expected behaviors.

Goal of this story is to identify and address the immediate issues. Any significant refactoring of the replication process should be captured under another story / epic.

Subtasks:

Bug # 8640: Replication includes "down" nodes as replication targets	**New**
Bug # 8641: Any change to SystemMetadata causes a new replication task to be generated ...	**New**
Bug # 8642: Replication tasks apparently not deleted from backing store in a timely fa...	**New**

Related issues:

Related to Member Nodes - Task #8482: ESSDIVE: Test Registration	**Closed**	**2018-03-05**	
Related to Infrastructure - Story #8162: Replication tasks can contain stale ...	**New**	**2017-08-23**	
Related to Infrastructure - Story #7650: DAO for SystemMetadata changes the S...	**New**	**2016-02-17**	
Related to Infrastructure - Story #6377: Review CNode initialization in Repli...	**In Progress**	**2014-09-25**	**2014-09-25**
Related to Infrastructure - Story #4463: Incorporate Node Replication Policy ...	**In Progress**	**2014-09-10**	

History

#1 - 2018-07-04 11:18 - Dave Vieglais

- Assignee changed from Jing Tao to Chris Jones

#2 - 2018-07-04 11:18 - Dave Vieglais

- Related to Task #8482: ESSDIVE: Test Registration added

#3 - 2018-07-04 11:18 - Dave Vieglais

- Related to Story #8162: Replication tasks can contain stale potential target nodes added

#4 - 2018-07-04 11:19 - Dave Vieglais

- Related to Story #7650: DAO for SystemMetadata changes the SystemMetadata.replicationPolicy added

#5 - 2018-07-04 11:19 - Dave Vieglais

- Related to Story #6377: Review CNode initialization in ReplicationManager - it doesn't use local CN reference added

#6 - 2018-07-04 11:19 - Dave Vieglais

- Related to Story #4463: Incorporate Node Replication Policy into replication processing added