

Infrastructure - Bug #8640

Story # 8639 (New): Replication performance is too slow to service demand

Replication includes "down" nodes as replication targets

2018-07-04 11:29 - 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:	
Milestone:	None		
Product Version:	*		

Description

The call sequence to get the list of target nodes is roughly:

```
ReplicationManager.processPid()  
ReplicationManager.getPotentialTargetNodes()  
ReplicationManager.getNodeReferences()  
NodeRegistryServiceImpl.listNodes()  
NodeFacade.getApprovedNodeList()  
NodeAccess.getApprovedNodeList()
```

It does not appear that the up/down status of a node is examined. Seems the appropriate place to do this would be in `ReplicationManager.getPotentialTargetNodes()` as this is where previous attempts are examined and the node rejected if too many failures are reported in a time period. Having a check for node up/down status here is logical.