

SyncReport from
ENs (every 5 min)

Heartbeat from
ENs (every 5 sec)

Extent Manager

ExtentCenter

(extent \rightarrow EN locations)
updated upon SyncReport

Extent Repair Loop

- examine all extents in ExtentCenter
- schedule repair of extents

ExtentNodeMap

(EN \rightarrow last Heartbeat)
updated upon Heartbeat

EN Expiration Loop

- remove expired ENs from ExtentNodeMap
- delete extents from ExtentCenter

RepairRequest to
ENs (on demand)