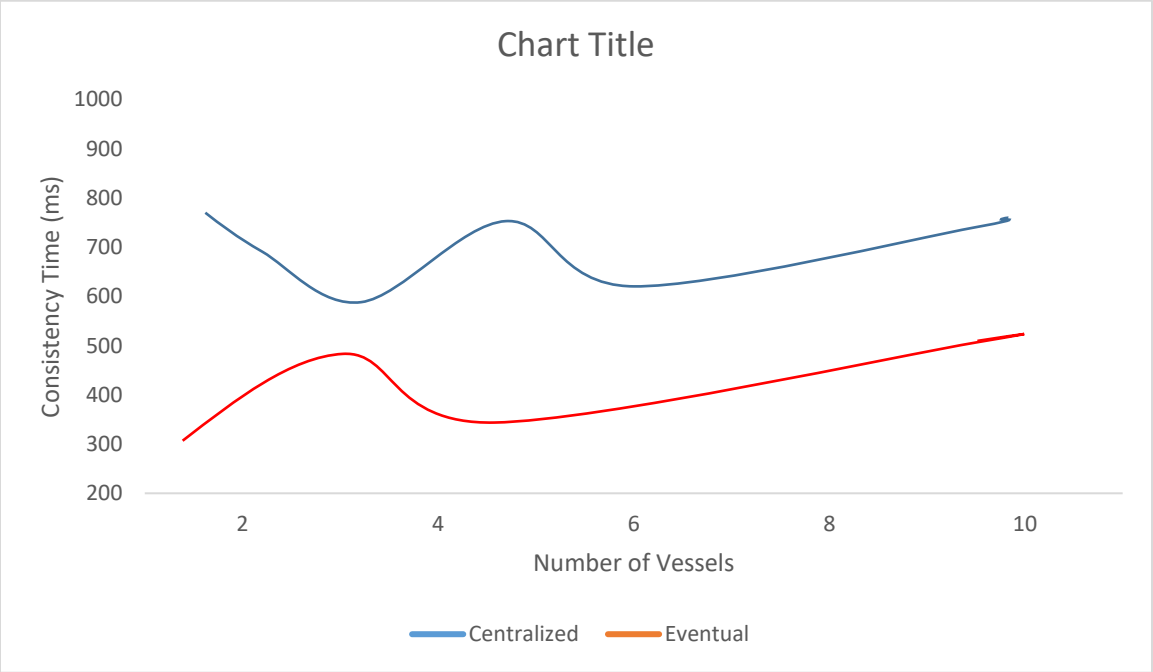
Comparison of Strict Consistency (Lab 2) and Eventual Consistency (Lab3)

Strict Consistency(Lab 2): The read must always read the latest write which means the updates must be propagated to the neighboring vessel the moment the update is made. The consistency is the priority one we worry about in this consistency model.

Eventual Consistency(Lab 3): The read is not a must that read the latest write but the update must be propagated within some amount of time. In another words all the vessels must be in a consistent state not immediately but with some amount of time.



From the results we understand that the centralized approach needs some time to achieve full consistency because all the work is concentrated on the leader. When more vessels are participated the time will be increasing. In the case of Eventual consistency even if it takes time to achieve full consistency the updates are propagated faster since the work is distributed across all the vessels.