Mutual Exclusion Project

Performance Analysis

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Lamport

Lamport sends 3(n-1) messages per write and read request that creates an overhead for writing operations. (The request, Ack and Release)
To measure this overhead, we implemented an standalone client that performs the write requests without lamport and mutual exclusion and then we have compared Lamport Mutual Exclusion's overhead. In the following table you may find the results for all three clients compared to their stand alone version.

# requests	Lamport (ms)	Standalone (ms)	Overhead (ms)	Overhead per req (ms)
146	195833	35471	160362	1098.369863
175	181955	52611	129344	739.1085714
179	125064	43755	81309	454.2402235
			Avg:	**763.9062193**