

Fig. 1. Experiment1: Write times for 10M Tweet Objects (Single)

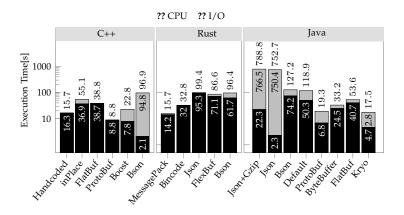


Fig. 2. Experiment1: Write times for 10M Tweet Objects (parallel)

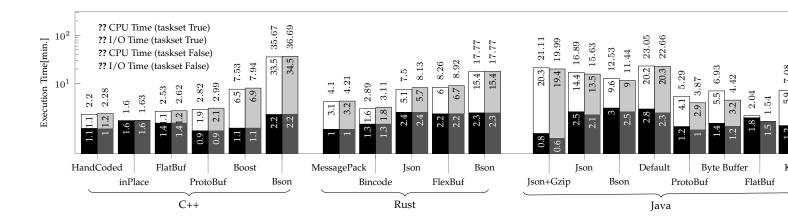


Fig. 3. Experiment2: Sequential Read times for 10M Tweet Objects (Single)

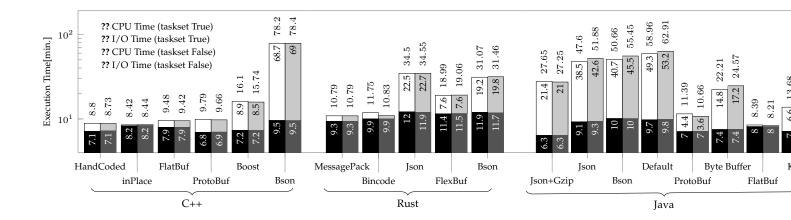


Fig. 4. Experiment2: Random Read times for 10M Tweet Objects (Single)

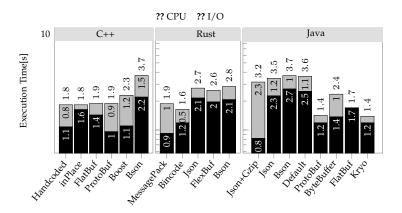


Fig. 5. Experiment2: Sequential Read times for 10M Tweet Objects (Parallel)

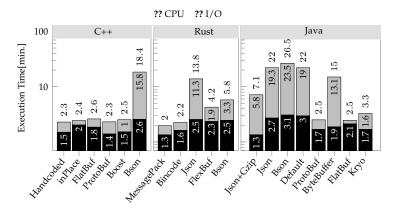


Fig. 6. Experiment2: Random Read times for 10M Tweet Objects (Parallel)

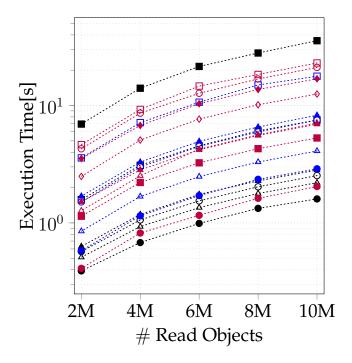


Fig. 7. Experiment2:Taskset = True (Single)

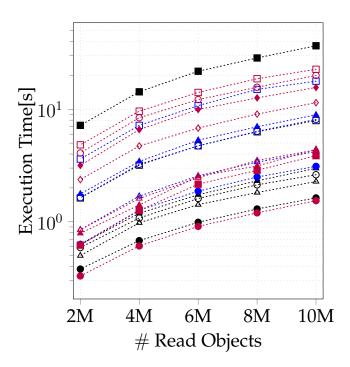


Fig. 8. Experiment2:Taskset = False (Single)

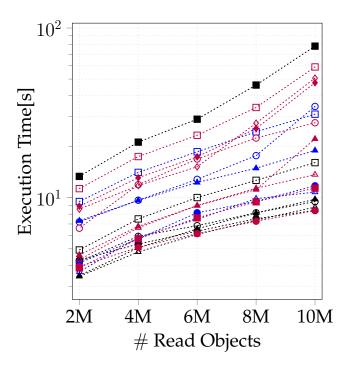


Fig. 9. Experiment2:Random Taskset = True (Single)

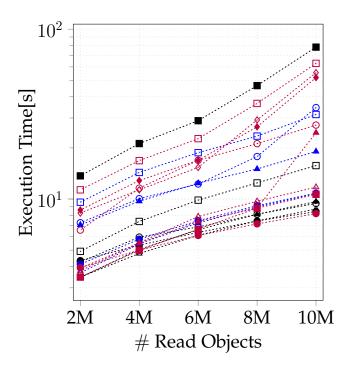


Fig. 10. Experiment2:Random Taskset = False (Single)

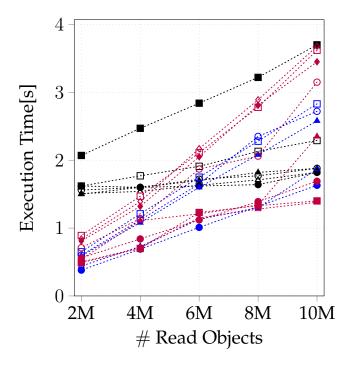


Fig. 11. Experiment2:Seq (Parallel)

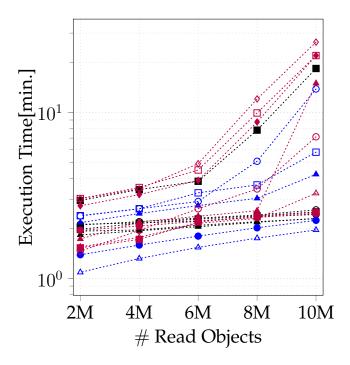


Fig. 12. Experiment2:Random (Parallel)

## Understanding and Benchmarking the Impact of Complex Object Implementations for Big Data Systems

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Abstract—
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