

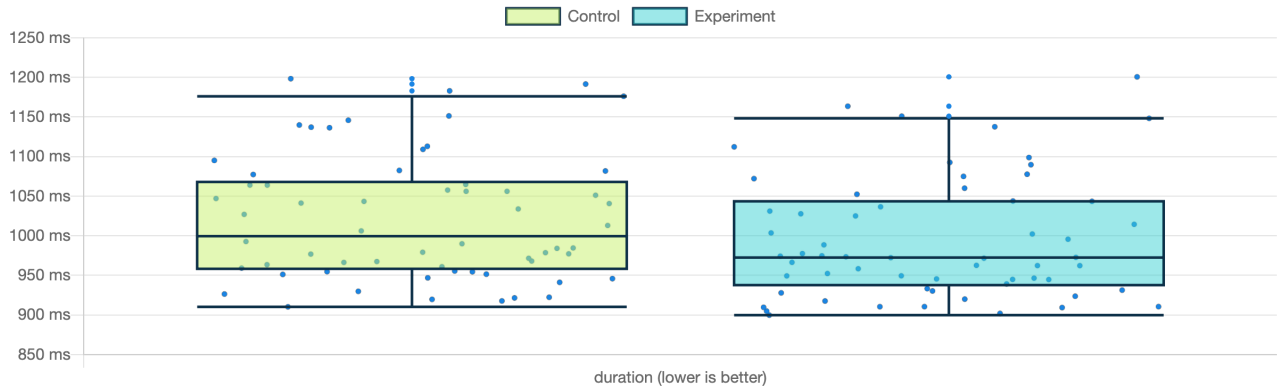
# TracerBench: Boxplot Results

TracerBench on HeadlessChrome/84.0.4112.0



## duration (25 ms faster)

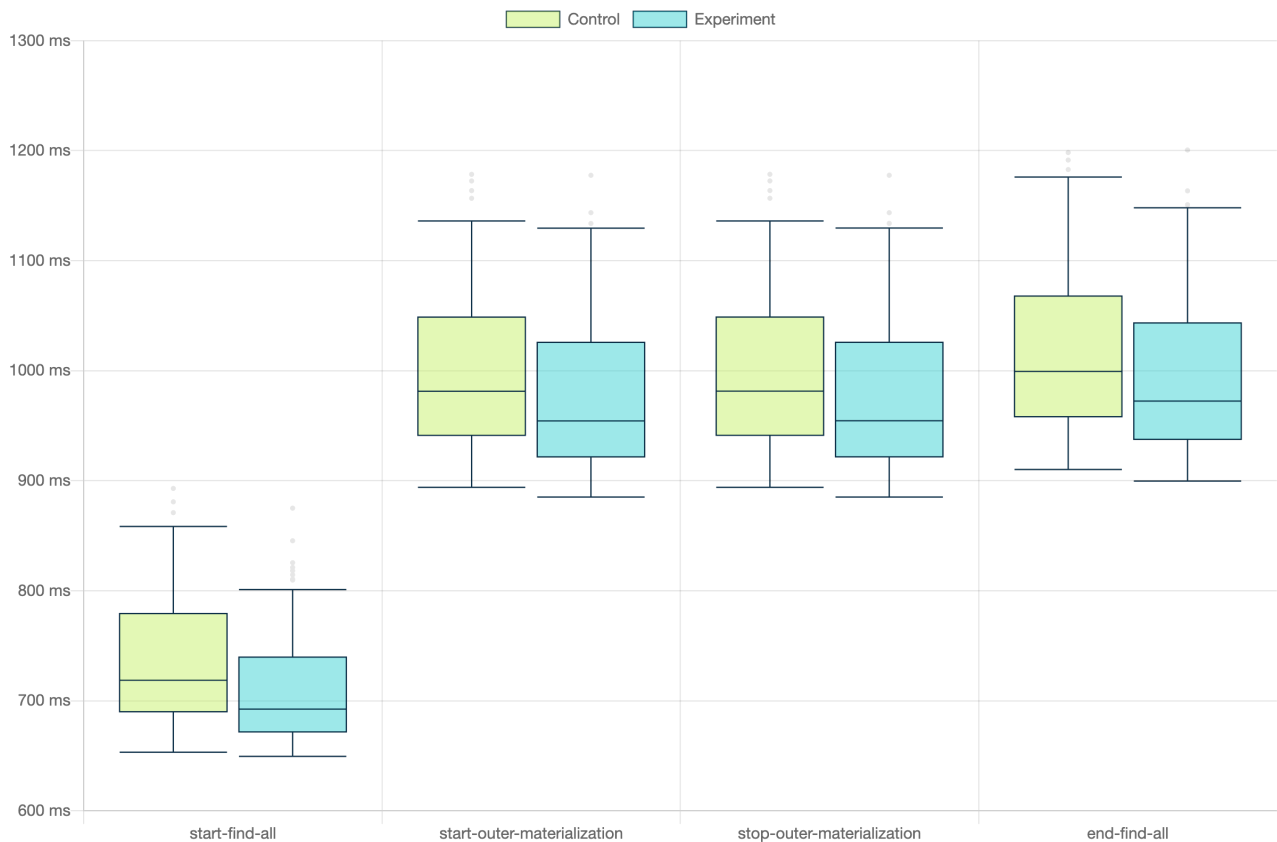
A statistical analysis test was used ([Wilcoxon Rank-Sum Test](#)) to determine that the results are significant meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster** by **25 ms**. TracerBench is 95% confident it is **faster** between **2 ms to 53 ms** based on 60 samples using a [confidence interval](#).



## Sub Phases of Duration

The chart below shows the finish times (a point in the page load duration) of the sub phases for experiment and control. It gives a high level view on what also changed (if there are any).

You can view more details about the phases starting from page 2.

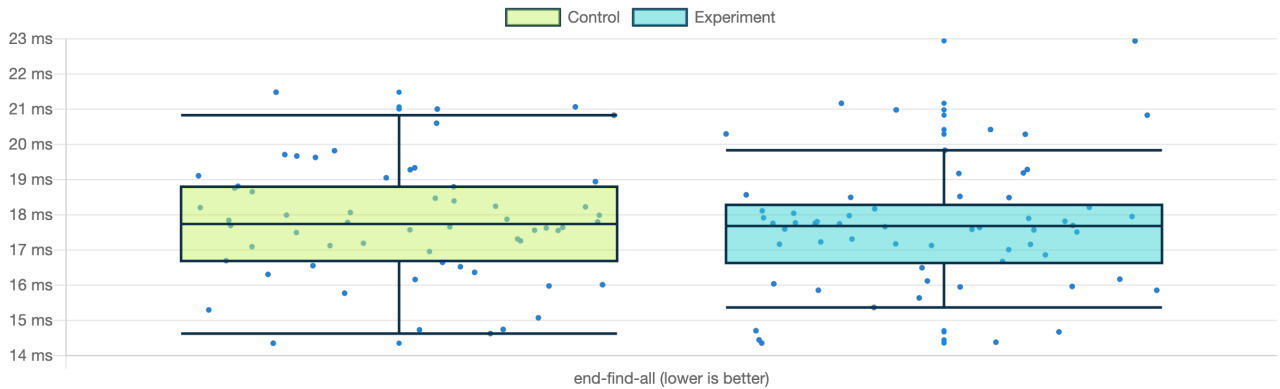


# Sub Phases in Detail

Sorted by phases that regressed with the most magnitude.

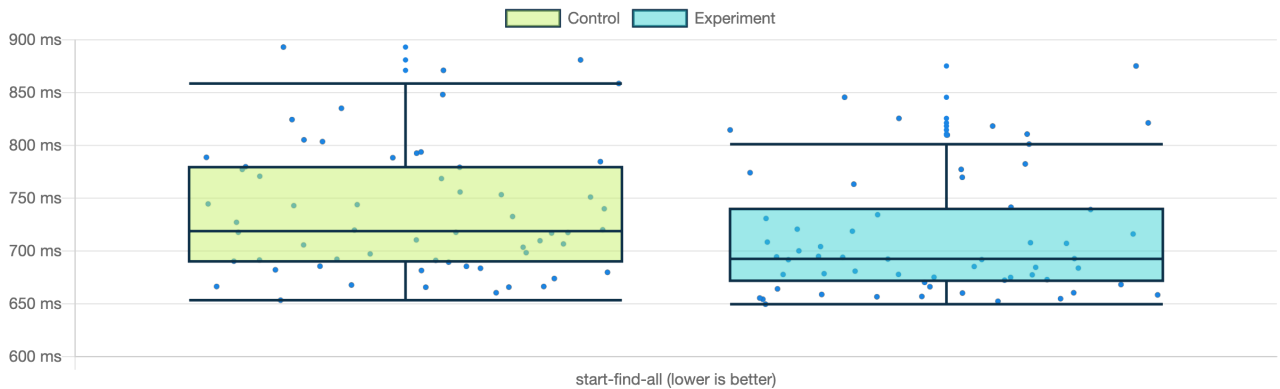
## end-find-all (0 ms slower)

A statistical analysis test was used ([Wilcoxon Rank-Sum Test](#)) to determine that the results are significant meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **slower** by **0 ms**. TracerBench is 95% confident it is **slower** between **0 ms to 1 ms** based on 60 samples using a [confidence interval](#).



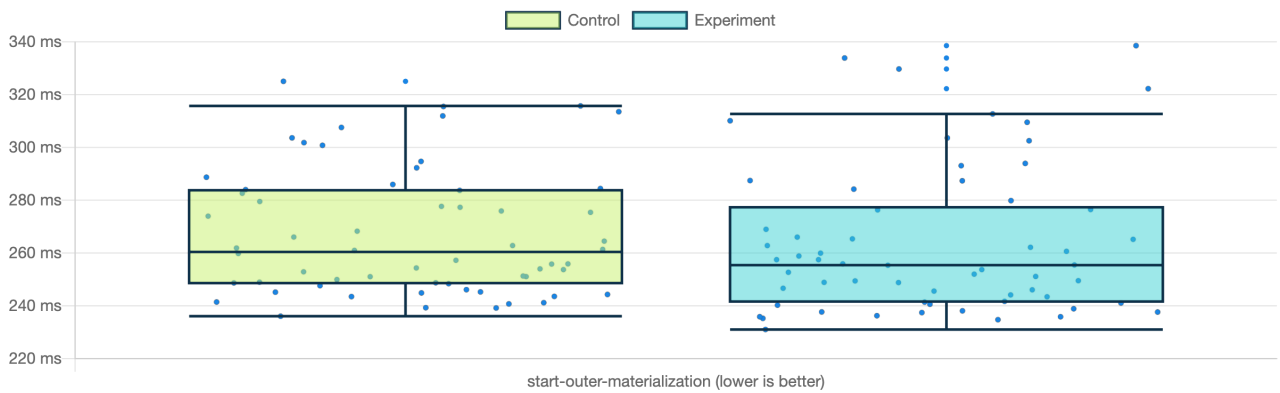
## start-find-all (23 ms faster)

A statistical analysis test was used ([Wilcoxon Rank-Sum Test](#)) to determine that the results are significant meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster** by **23 ms**. TracerBench is 95% confident it is **faster** between **6 ms to 42 ms** based on 60 samples using a [confidence interval](#).



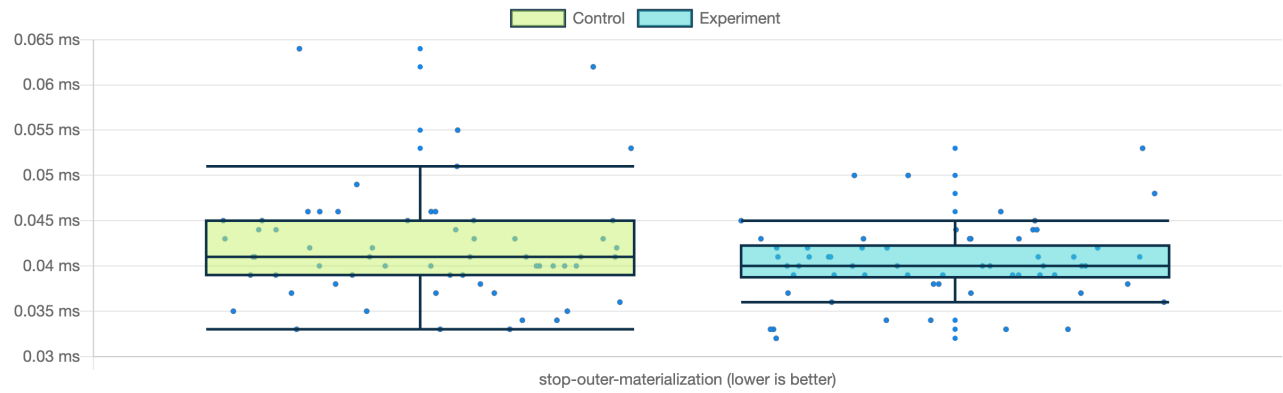
## start-outer-materialization (No Difference)

A statistical analysis test was used ([Wilcoxon Rank-Sum Test](#)) to determine that results are not significant.



# stop-outer-materialization (No Difference)

A statistical analysis test was used ([Wilcoxon Rank-Sum Test](#)) to determine that results are not significant.



## Resources

- [Stats Primer](#)
- [Understanding Boxplots](#)
- [Wilcoxon Rank-Sum Test](#)

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# Configs Used

```
{  
  "tbResultsFolder": "/Users/amcgs/Sources/pieter-v/data/packages/unpublished-relationship-performance-test-app/tracerbench-results"  
}
```