MOD I C U M: Additional Experimental Results

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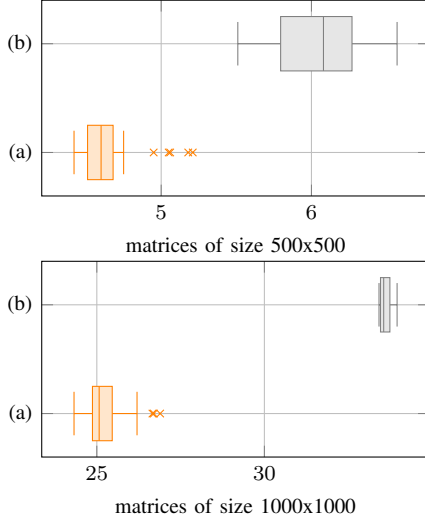
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Fig. 1. Results from Experiment 3. The horizontal axis is the elapsed time in seconds. The values are the amount of time a job took in user CPU times running with just Docker(a), and running in Docker in the context of the platform(b). cAdvisor was used to measure the execution time of the standalone Docker job, while in the platform case cAdvisor was not running. This may contribute to why the Docker standalone took longer. It could also be as a result of the non-deterministic nature of scheduling and if more experiments were run, or if they jobs were given higher priority the times would be more similar.

Link to resource trace for CPU and memory utilization while job is running on resource provider, as a result of a matched offer. The utilizations are monitored by cAdvisor on the Beaglebone Black Resource Provider. cAdvisor samples approximately once every second, and pushes those measurements to an influxDB database once every minute.