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1.Introduction

This document outlines the details on running the benchmark experiments. This document also contains the screen shots of the results obtained by running the benchmark experiments on the Amazon EC2 t2.micro instance.

2.Running the Benchmarks

There is a 'Makefile' present in the deliverables which can be used to compile and run the benchmark experiments. The 'Makefile' uses GCC C compiler to compile the codes. Below are the different make commands that can be used.

- **\$ make all** – Compiles all the benchmark experiments.
- **\$ make run_all** – Runs all the benchmark experiments.
- **\$ make clean** – Deletes all the executable benchmark experiments.

2.1. CPU Benchmark

This section will present the different commands to compile and run only the CPU benchmark experiment.

- **\$ make benchmark_cpu_run** – Compiles the CPU Benchmark experiment code.
- **\$ make run_cpu** or **\$./benchmark_cpu_run** – Runs the CPU Benchmark experiment.

2.2. Memory Benchmark

This section will present the different commands to compile and run only the Memory benchmark experiment.

- **\$ make benchmark_mem_run** – Compiles the Memory Benchmark experiment code.
- **\$ make run_mem** or **\$./benchmark_mem_run** – Runs the Memory Benchmark experiment.

2.3. Disk Benchmark

This section will present the different commands to compile and run only the Disk benchmark experiment.

- **\$ make benchmark_dsk_run** – Compiles the Disk Benchmark experiment code.
- **\$ make run_dsk** or **\$./benchmark_dsk_run** – Runs the Disk Benchmark experiment.

3.Results

This section contains the screen shots of the results of running the experiments on the Amazon EC2 t2.micro instance.

3.1. Benchmark Experiment Results

1. Test Run – 1

Refer to the file 'Results/Run1_Results'

2. Test Run – 2

Refer to the file 'Results/Run2_Results'

3. Test Run – 3

Refer to the file 'Results/Run3_Results'

3.2. LINPACK Results

Refer to the file 'Results/LINPACK_Results'

3.3. STREAM Results

Refer to the file 'Results/STREAM_Results'

3.4. IOZONE Results

Refer to the file 'Results/IOZONE_Results'