

Manual

1) Setting up

Copy all the code and scripts given in the source code folder to your working directory. For AWS instance push all the files to using scp command as below

Eg

```
scp -i nikhilnere.pem /home/nikhil/workspace/Benchmarking_C/runDisk.sh  
ubuntu@52.90.205.129:/home/ubuntu/
```

Make sure to use the correct ip address which can be found out at the aws instances portal.

2) Run CPU Benchmark

Run the script as below in the same directory

```
./runCPU.sh
```

The script will compile and run all the c files related to CPU benchmarking the results can be seen on the terminal as well as the logs will be generated with all the results. Below are the logs file generated.

```
CPUBenchmarking.log  
CPU_FLOP_Experiment_2.log  
CPU_IOP_Experiment_2.log
```

3) Run Memory Benchmark

Run the script as below in the same directory

```
./runMemory.sh
```

The script will compile and run all the files related to Memory benchmarking, the results can be seen on the terminal. Also the results are collected in the below log file

```
MemoryBenchmarking.log
```

4) Run Disk Benchmark

Run the script as below in the same directory

```
./runDisk.sh
```

The script will compile the code and collect the results in the below log file. The results can also be seen on the terminal.

```
DiskBenchmarking.log
```

5) If the experiment is done on the AWS instance the log files can be pulled using scp command as below –

```
scp -i nikhilnere.pem ubuntu@52.90.205.129:/home/ubuntu/DiskBenchmarking.log  
/home/nikhil/workspace/Benchmarking_C/
```

Make sure to use the correct IP address

- 6) There are scripts provided to run various benchmarking tools like linpack, STREAM, IOZone under BenchmarkingTools folder

To run the scripts use below commands-

`./iozone.sh`

`./linpack.sh`

`./stream.sh`