

Recommendations:**Increase execution time:**

Application execution time is too short. Metrics data may be unreliable. Consider reducing the sampling interval or increasing your application execution time.

Elapsed Time: 0.445s

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CPU Time: 0.429s
Memory Bound: 4.2% of Pipeline Slots
L1 Bound: 6.6% of Clockticks
L2 Bound: 0.0% of Clockticks
L3 Bound: 1.6% of Clockticks
DRAM Bound: 1.6% of Clockticks
DRAM Bandwidth Bound: 0.0% of Elapsed Time
Store Bound: 0.0% of Clockticks
Loads: 705,621,168
Stores: 330,009,900
LLC Miss Count: 0
Average Latency (cycles): 8
Total Thread Count: 1
Paused Time: 0s

Bandwidth Utilization:

| Bandwidth Domain | Platform Maximum | Observed Maximum | Average | % of Elapsed Time with High BW Utilization(%) |
|------------------|------------------|------------------|---------|---|
| DRAM, GB/sec | 10 | 4.700 | 0.674 | 0.0% |

Collection and Platform Info:

Application Command Line: ./codecs/hhi-vvc-codec/encoder/vvencFFapp "-c" "./configs/hhi-vvc-codec/randomaccess_faster.cfg" "-i" "./sequences/CLASS_B/BasketballPass_416x240_50.yuv" "-wdt" "416" "-hgt" "240" "-b" "./bin/hhi-vvc-codec/randomaccess_faster.cfg/CLASS_B/BasketballPass_416x240_50_QP_37_hhi-vvc-codec.bin" "-o" "./rec_yuv/hhi-vvc-codec/randomaccess_faster.cfg/CLASS_B/BasketballPass_416x240_50_QP_37_hhi-vvc-codec.yuv" "-fr" "50" "-fs" "0" "-f" "2" "-q" "37"

User Name: root

Operating System: 5.4.0-62-generic DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=18.04 DISTRIB_CODENAME=bionic
DISTRIB_DESCRIPTION="Ubuntu 18.04.5 LTS"

Computer Name: eimon

Result Size: 12.4 MB

Collection start time: 05:07:03 02/02/2021 UTC

Collection stop time: 05:07:03 02/02/2021 UTC

Collector Type: Event-based sampling driver

CPU:

Name: Intel(R) Processor code named Kabylake
ULX

Frequency: 1.992 GHz

Logical CPU Count: 8

Max DRAM Single-Package Bandwidth: 10.000 GB/s

Cache Allocation Technology:

Level 2 capability: not detected

Level 3 capability: not detected