

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: 0.023s

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

CPU Time: 0.018s
Memory Bound: 5.6% of Pipeline Slots
L1 Bound: 13.0% of Clockticks
L2 Bound: 0.0% of Clockticks
L3 Bound: 0.0% of Clockticks
DRAM Bound: 4.3% of Clockticks
DRAM Bandwidth Bound: 0.0% of Elapsed Time
Store Bound: 0.0% of Clockticks
Loads: 20,760,000
Stores: 9,840,000
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	3.400	2.666	0.0%

Collection and Platform Info:

Application Command Line: ./codecs/HM/decoder/TAppDecoderStatic "-b" "./bin/HM/encoder_lowdelay_main.cfg/CLASS_C/RaceHorses_416x240_30_QP_32_HM.bin"

User Name: root

Operating System: 5.4.0-72-generic DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=18.04 DISTRIB_CODENAME=bionic
DISTRIB_DESCRIPTION="Ubuntu 18.04.5 LTS"

Computer Name: eimon

Result Size: 15.4 MB

Collection start time: 22:22:26 18/04/2021 UTC

Collection stop time: 22:22:26 18/04/2021 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

Intel® oneAPI VTune™ Profiler 2021.1.1 Gold

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: 0.060s

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

CPU Time: 0.044s
Memory Bound: 7.8% of Pipeline Slots
L1 Bound: 4.6% of Clockticks
L2 Bound: 0.0% of Clockticks
L3 Bound: 0.0% of Clockticks
DRAM Bound: 4.6% of Clockticks
DRAM Bandwidth Bound: 0.0% of Elapsed Time
Store Bound: 0.0% of Clockticks
Loads: 18,480,000
Stores: 8,040,000
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	1.500	0.832	0.0%

Collection and Platform Info:

Application Command Line: ./codecs/HM/decoder/TAppDecoderStatic "-b" ".bin/HM/encoder_lowdelay_main.cfg/CLASS_C/RaceHorses_416x240_30_QP_32_HM.bin"

User Name: root

Operating System: 5.4.0-72-generic DISTRIB_ID=Ubuntu
 DISTRIB_RELEASE=18.04 DISTRIB_CODENAME=bionic
 DISTRIB_DESCRIPTION="Ubuntu 18.04.5 LTS"

Computer Name: eimon

Result Size: 13.1 MB

Collection start time: 07:42:03 19/04/2021 UTC

Collection stop time: 07:42:03 19/04/2021 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