# 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:**　　　　　0.491s

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| | |
|---|---|
| **CPU Time:** | 0.430s |
| **Memory Bound:** | 8.3% of Pipeline Slots |
| **L1 Bound:** | 4.2% of Clockticks |
| **L2 Bound:** | 0.2% of Clockticks |
| **L3 Bound:** | 1.3% of Clockticks |
| **DRAM Bound:** | 2.0% of Clockticks |
| **DRAM Bandwidth Bound:** | 0.0% of Elapsed Time |
| **Store Bound:** | 2.9% of Clockticks |
| **Loads:** | 335,760,000 |
| **Stores:** | 174,480,000 |
| **LLC Miss Count:** | 240,000 |
| **Average Latency (cycles):** | 12 |
| **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 | 1.900 | 0.773 | 0.0% |

**Collection and Platform Info:**
　**Application Command Line:**　./codecs/original/decoder/ DecoderAppStatic "-b" "./bin/original/encoder_intra_vtm.cfg/CLASS_A/ Kimono_1920x1080_24_QP_32_original.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:**          20.8 MB

**Collection start time:**          09:54:20 24/04/2021 UTC

**Collection stop time:**          09:54:20 24/04/2021 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