T2micro cpu test

https://openbenchmarking.org/result/2502266-

NE-T2MICROCP62

```
Current Description: Xen HVM domU 4.11.amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.
New Description:
7-Zip Compression 24.05:
   pts/compress-7zip-1.11.0
   Test 1 of 1
   Estimated Trial Run Count: 3
   Estimated Time To Completion: 3 Minutes [12:54 UTC]
      Started Run 1 @ 12:52:11
      Started Run 2 @ 12:53:01
      Started Run 3 @ 12:53:51
   Test: Compression Rating:
      3439
      3405
      3478
   Average: 3441 MIPS
   Deviation: 1.06%
   Comparison of 2,124 OpenBenchmarking.org samples since 10 May 2024; median result: 96179 MIPS. Box plot of sample
   2 x AMD EPYC 9124: 255210 ^ 2 x AMD EPYC 9275F: 507917 ^ 2 x AMD EPYC 9455: 758248 ^ AMD EP
                                                                                     2 x AMD EPYC 9475F
                                    ARMv8 Neoverse-V2: 479851 ^
                                   Intel Xeon 6780E: 464546 ^
                                                                                     AMD EPYC 9845: 8577
                                 2 x AMD EPYC 9255: 452653 ^
                                                                           2 x Intel Xeon 6980P: 833643
   Test: Decompression Rating:
      2988
      2988
      2987
   Average: 2988 MIPS
   Deviation: 0.02%
   Comparison of 2,087 OpenBenchmarking.org samples since 10 May 2024; median result: 77377 MIPS. Box plot of sample
   2 x AMD EPYC 9365: 484433 ^ 2 x Intel Xeon 6766E: 776612 ^ AMD EPYC 9965: 998566 ^ 2
                                                 2 x AMD EPYC 9475F: 762580 ^ 2 x AMD EPYC 9535: 745383 ^ 2 x AMD EPYC 2 x AMD EPYC 7773X: 722176 ^ 2 x AMD EPYC 9565: 1021036
                                                                                            2 x AMD EP
                                                                                           2 x AMD EPYC
```

T2micro memory test

Memory test configuration 选 copy Integer

https://openbenchmarking.org/result/2502266-

NE-T2MICROME87

```
New Description:
RAMspeed SMP 3.5.0:
   pts/ramspeed-1.4.3 [Type: Copy - Benchmark: Integer]
   Test 1 of 1
   Estimated Trial Run Count:
   Estimated Time To Completion: 7 Minutes [14:52 UTC]
      Started Run 1 @ 14:46:00
      Started Run 2 @ 14:48:56
      Started Run 3 @ 14:51:53
   Type: Copy - Benchmark: Integer:
      10411.6
       10281.35
      10346.22
   Average: 10346.39 MB/s
   Deviation: 0.63%
   Comparison of 6,166 OpenBenchmarking.org samples since 26 February 2011; median result: 19021 MB/s. Box plot of sample
        -----*--*--*--*--**
                       ^ This Result (18th Percentile): 10346
                      2 x 8192 MB DDR4-3200MT: 23288 ^
                                                     8 x 32 GB DDR5-4800MT: 37945 ^ 32 x 64 GB DDR4-3200MT: 5
                                                        2 x 32 GB 4000MT: 37115 ^
                                                   2 x 8 GB DDR4-4400MT: 36341 ^
                                                 2 x 16 GB DDR5-4400MT: 35119 ^
                                                                                    2 x 16 GB DDR5-7200MT
```

Current Description: Xen HVM domU 4.11.amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.

T2medium cpu test

https://openbenchmarking.org/result/2502264-NE-T2MEDIUMC07

```
Current Description: Xen HVM domU 4.11.amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.
New Description:
7-Zip Compression 24.05:
   pts/compress-7zip-1.11.0
   Test 1 of 1
   Estimated Trial Run Count: 3
   Estimated Time To Completion: 3 Minutes [15:50 UTC]
      Started Run 1 @ 15:47:59
      Started Run 2 @ 15:48:37
      Started Run 3 @ 15:49:14
   Test: Compression Rating:
      9512
      9831
      9885
   Average: 9743 MIPS
   Deviation: 2.07%
   Comparison of 2,124 OpenBenchmarking.org samples since 10 May 2024; median result: 96179 MIPS. Box plot of samples:
   ^ This Result (6th Percentile): 9743
                  ^ AMD EPYC 7551: 115838 INTEL XEON PLATINUM 8592: 454943 ^ 2 x AMD EPYC 9375F: 631801 ^ 2 x AMD EPYC 9754: 7998
                                         Intel Xeon 6766E: 443674 ^
                                                                                    2 x AMD EPYC 9684X: 782439
                                 ARMv8 Neoverse-V2: 385866 ^
                                                                                 2 x AMD EPYC 9455: 758248 ^
                     AMD Ryzen Threadripper 7980X: 358953 ^
                                                                                2 x AMD EPYC 9734: 748863 ^
   Test: Decompression Rating:
      5763
      5791
      5859
   Average: 5804 MIPS
   Deviation: 0.85%
   Comparison of 2,087 OpenBenchmarking.org samples since 10 May 2024; median result: 77377 MIPS. Box plot of samples:
   2 x AMD EPYC 9565:
                         Do you want to view the text results of the testing (Y/n): y
```

T2medium memory test Memory test configuration 选 copy Integer https://openbenchmarking.org/result/2502260- NE-T2MEDIUMM12

```
Current Description: Xen HVM domU 4.11.amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.
New Description:
RAMspeed SMP 3.5.0:
   pts/ramspeed-1.4.3 [Type: Copy - Benchmark: Integer]
   Test 1 of 1
   Estimated Trial Run Count:
   Estimated Time To Completion: 9 Minutes [16:17 UTC]
       Started Run 1 @ 16:08:24
       Started Run 2 @ 16:10:01
      Started Run 3 @ 16:11:39
   Type: Copy - Benchmark: Integer:
       19370.03
       19034.66
       19712.49
   Average: 19372.39 MB/s
   Deviation: 1.75%
   Comparison of 6,166 OpenBenchmarking.org samples since 26 February 2011; median result: 19021 MB/s. Box plot of samples
                  This Result (51st Percentile): 19372 ^
                          6 x 16384 MB DDR4-2666MHz Micron 18ASF2G72PDZ-2G6D1: 30581 ^
                                                                                  4 x 32 GB DDR5-4400MT: 42931
                                                                      8 x 32 GB DDR5-4800MT: 37945 ^
                                                                         2 x 32 GB 4000MT: 37115 ^
                                                                    2 x 8 GB DDR4-4400MT: 36341 ^
   Do you want to view the text results of the testing (Y/n): y
```

c5d.large cpu test

https://openbenchmarking.org/result/2502266-NE-C5DLARGEC35

```
New Description:
7-Zip Compression 24.05:
   pts/compress-7zip-1.11.0
   Estimated Trial Run Count:
   Estimated Time To Completion: 3 Minutes [16:37 UTC]
      Started Run 1 @ 16:35:47
     Started Run 2 @ 16:36:28
Started Run 3 @ 16:37:09
   Test: Compression Rating:
     7771
7711
   Average: 7753 MIPS
   Deviation: 0.47%
   Comparison of 2,124 OpenBenchmarking.org samples since 10 May 2024; median result: 96179 MIPS. Box plot of samples:
   AMD EPYC 8534PN: 325245 ^ 2 x AMD EPYC 9275F: 507917 ^ AMD EPYC 9554P: 661308 ^ 2 x AMD EPYC 9535: 846712 ^
                              2 x AMD EPYC 93554P: 661308 ^
4: 255210 ^
2 x AMD EPYC 9375F: 631801 ^
^ 2 x AMD EPYC 7303: 200698 AMD EPYC 9575F: 624384 ^
                2 x AMD EPYC 9184X: 302466 ^
2 x AMD EPYC 9124: 255210 ^
                                                                                                                 AMD EPYC 9755: 947960 ^
                                                                                               AMD EPYC 9755:
2 x AMD EPYC 9475F: 899868 ^
                                                                                                    AMD EPYC 9845: 857791 ^
   Test: Decompression Rating:
      5242
      5245
   Average: 5247 MIPS
   Comparison of 2,087 OpenBenchmarking.org samples since 10 May 2024; median result: 77377 MIPS. Box plot of samples:
   Do you want to view the text results of the testing (Y/n): y
```

Current Description: amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.

c5d.large memory test Memory test configuration 选 copy Integer https://openbenchmarking.org/result/2502265- NE-CD5LARGEM13

```
Current Description: amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.
New Description:
RAMspeed SMP 3.5.0:
   pts/ramspeed-1.4.3 [Type: Copy - Benchmark: Integer]
   Test 1 of 1
   Estimated Trial Run Count: 3
   Estimated Time To Completion: 7 Minutes [17:09 UTC]
       Started Run 1 @ 17:02:57
       Started Run 2 @ 17:05:06
       Started Run 3 @ 17:07:15
   Type: Copy - Benchmark: Integer:
       13935.23
       13846.14
       13880.96
   Average: 13887.44 MB/s
   Deviation: 0.32%
   Comparison of 6,166 OpenBenchmarking.org samples since 26 February 2011; median result: 19021 MB/s. Box plot of s
        _-----*--*--*--*
                                ^ This Result (29th Percentile): 13887
                       2 \times 8192 \text{ MB DDR4-3200MT: } 23288 ^ 8 \times 32 \text{ GB DDR5-4800MT: } 37945 ^ 32 \times 64 \text{ GB DDR4-3200MT}
                                                          2 x 32 GB 4000MT: 37115 ^
                                                  2 x 16 GB DDR5-4400MT: 35119 ^
                                              8 x 16 GB DDR4-2667MT: 33438 ^
                                                                                          2 x 16 GB DDR5-7200
   Do you want to view the text results of the testing (Y/n): y
```

T3.medium - t3.medium

```
• ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234

PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.386 ms
64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.394 ms
64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.371 ms
64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.383 ms
64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.381 ms
64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.521 ms
64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.521 ms
64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.444 ms
^C
--- 172.31.28.234 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6184ms
rtt min/avg/max/mdev = 0.371/0.411/0.521/0.049 ms
```

m5.large - m5.large

```
ubuntu@ip-172-31-18-35:~$ iperf -c 172.31.28.234 -w 256k
  _____
 Client connecting to 172.31.28.234, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
  [ 1] local 172.31.18.35 port 45888 connected with 172.31.28.234 port 5001
  [ ID] Interval
                  Transfer Bandwidth
  [ 1] 0.0000-10.0073 sec 5.49 GBytes 4.71 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234
 PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
 64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.283 ms
 64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.258 ms
 64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.257 ms
 64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.264 ms
 64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.255 ms
 64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.262 ms
 64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.257 ms
 --- 172.31.28.234 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6176ms
 rtt min/avg/max/mdev = 0.255/0.262/0.283/0.008 ms
o ubuntu@ip-172-31-18-35:~$
```

c5n.large - c5n.large

```
ubuntu@ip-172-31-18-35:~$ iperf -c 172.31.28.234 -w 256k
  _____
 Client connecting to 172.31.28.234, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
 [ 1] local 172.31.18.35 port 36218 connected with 172.31.28.234 port 5001
 [ ID] Interval
                Transfer Bandwidth
 [ 1] 0.0000-10.0044 sec 5.68 GBytes 4.88 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234
 PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
 64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.182 ms
 64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.167 ms
 64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.173 ms
 64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.167 ms
 64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.186 ms
 64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.165 ms
 64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.164 ms
 ^C
 --- 172.31.28.234 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6183ms
 rtt min/avg/max/mdev = 0.164/0.172/0.186/0.008 ms
○ ubuntu@ip-172-31-18-35:~$
```

t3.medium - c5n.large

```
ubuntu@ip-172-31-18-35:~$ iperf -c 172.31.28.234 -w 256k
 Client connecting to 172.31.28.234, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
 _____
 [ 1] local 172.31.18.35 port 56672 connected with 172.31.28.234 port 5001
 [ ID] Interval
                   Transfer
                               Bandwidth
 [ 1] 0.0000-10.0013 sec 4.55 GBytes 3.91 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234
 PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
 64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.327 ms
 64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.285 ms
 64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.294 ms
 64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.297 ms
 64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.332 ms
 64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.298 ms
 64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.283 ms
 --- 172.31.28.234 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6164ms
 rtt min/avg/max/mdev = 0.283/0.302/0.332/0.018 ms
oubuntu@ip-172-31-18-35:~$
```

m5.large - c5n.large

```
ubuntu@ip-172-31-18-35:~$ iperf -c 172.31.28.234 -w 256k
 Client connecting to 172.31.28.234, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
  ______
  [ 1] local 172.31.18.35 port 55796 connected with 172.31.28.234 port 5001
 [ ID] Interval Transfer Bandwidth
 [ 1] 0.0000-10.0104 sec 10.5 GBvtes 8.97 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234
 PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
 64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.127 ms
 64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.105 ms
 64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.103 ms
 64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.114 ms
 64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.117 ms
 64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.104 ms
 64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.100 ms
 --- 172.31.28.234 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6133ms
 rtt min/avg/max/mdev = 0.100/0.110/0.127/0.009 ms
o ubuntu@ip-172-31-18-35:~$
```

m5.large - t3.medium

```
▼ ubuntu@ip-1/2-31-18-35:~$ ipert -c 1/2.31.28.234 -w 256K
  ......
 Client connecting to 172.31.28.234, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
 ______
 [ 1] local 172.31.18.35 port 58976 connected with 172.31.28.234 port 5001
 [ ID] Interval
                 Transfer
                              Bandwidth
 [ 1] 0.0000-10.0030 sec 4.59 GBytes 3.94 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 172.31.28.234
 PING 172.31.28.234 (172.31.28.234) 56(84) bytes of data.
 64 bytes from 172.31.28.234: icmp_seq=1 ttl=64 time=0.658 ms
 64 bytes from 172.31.28.234: icmp_seq=2 ttl=64 time=0.214 ms
 64 bytes from 172.31.28.234: icmp_seq=3 ttl=64 time=0.231 ms
 64 bytes from 172.31.28.234: icmp_seq=4 ttl=64 time=0.236 ms
 64 bytes from 172.31.28.234: icmp_seq=5 ttl=64 time=0.227 ms
 64 bytes from 172.31.28.234: icmp_seq=6 ttl=64 time=0.245 ms
 64 bytes from 172.31.28.234: icmp_seq=7 ttl=64 time=0.377 ms
 --- 172.31.28.234 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6148ms
 rtt min/avg/max/mdev = 0.214/0.312/0.658/0.150 ms
oubuntu@ip-172-31-18-35:~$
```

N. Virginia - Oregon

```
• ubuntu@ip-172-31-22-251:~$ iperf -c 98.84.170.49 -w 256k
 ______
 Client connecting to 98.84.170.49, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
 [ 1] local 172.31.22.251 port 46866 connected with 98.84.170.49 port 5001
 [ ID] Interval
                 Transfer
                             Bandwidth
 [ 1] 0.0000-10.1025 sec 38.8 MBytes 32.2 Mbits/sec
ubuntu@ip-172-31-22-251:~$ ping 98.84.170.49
 PING 98.84.170.49 (98.84.170.49) 56(84) bytes of data.
 64 bytes from 98.84.170.49: icmp_seq=1 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp_seq=2 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp_seq=3 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp_seq=4 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp seq=5 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp_seq=6 ttl=58 time=64.0 ms
 64 bytes from 98.84.170.49: icmp_seq=7 ttl=58 time=64.0 ms
 --- 98.84.170.49 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6006ms
 rtt min/avg/max/mdev = 63.987/64.009/64.031/0.015 ms
oubuntu@ip-172-31-22-251:~$
```

N. Virginia - N. Virginia

```
ubuntu@ip-172-31-18-35:~$ iperf -c 98.84.170.49 -w 256k
 Client connecting to 98.84.170.49, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
  1] local 172.31.18.35 port 42402 connected with 98.84.170.49 port 5001
 [ ID] Interval
                 Transfer Bandwidth
 [ 1] 0.0000-10.0042 sec 5.14 GBytes 4.41 Gbits/sec
ubuntu@ip-172-31-18-35:~$ ping 98.84.170.49
 PING 98.84.170.49 (98.84.170.49) 56(84) bytes of data.
 64 bytes from 98.84.170.49: icmp_seq=1 ttl=63 time=0.307 ms
 64 bytes from 98.84.170.49: icmp_seq=2 ttl=63 time=0.291 ms
 64 bytes from 98.84.170.49: icmp_seq=3 ttl=63 time=0.311 ms
 64 bytes from 98.84.170.49: icmp_seq=4 ttl=63 time=0.294 ms
 64 bytes from 98.84.170.49: icmp_seq=5 ttl=63 time=0.296 ms
 64 bytes from 98.84.170.49: icmp_seq=6 ttl=63 time=0.321 ms
 64 bytes from 98.84.170.49: icmp_seq=7 ttl=63 time=0.266 ms
 --- 98.84.170.49 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6146ms
 rtt min/avg/max/mdev = 0.266/0.298/0.321/0.016 ms
o ubuntu@ip-172-31-18-35:~$
```

Oregon - Oregon

```
ubuntu@ip-172-31-22-251:~$ iperf -c 35.87.48.74 -w 256k
 Client connecting to 35.87.48.74, TCP port 5001
 TCP window size: 416 KByte (WARNING: requested 250 KByte)
 -----
 [ 1] local 172.31.22.251 port 51282 connected with 35.87.48.74 port 5001
 [ ID] Interval
                 Transfer Bandwidth
 [ 1] 0.0000-10.0016 sec 5.33 GBytes 4.58 Gbits/sec
ubuntu@ip-172-31-22-251:~$ ping 35.87.48.74
 PING 35.87.48.74 (35.87.48.74) 56(84) bytes of data.
 64 bytes from 35.87.48.74: icmp_seq=1 ttl=63 time=0.197 ms
 64 bytes from 35.87.48.74: icmp_seq=2 ttl=63 time=0.188 ms
 64 bytes from 35.87.48.74: icmp_seq=3 ttl=63 time=0.174 ms
 64 bytes from 35.87.48.74: icmp_seq=4 ttl=63 time=0.183 ms
 64 bytes from 35.87.48.74: icmp seq=5 ttl=63 time=0.185 ms
 64 bytes from 35.87.48.74: icmp_seq=6 ttl=63 time=0.175 ms
 64 bytes from 35.87.48.74: icmp_seq=7 ttl=63 time=0.181 ms
 ^C
 --- 35.87.48.74 ping statistics ---
 7 packets transmitted, 7 received, 0% packet loss, time 6156ms
 rtt min/avg/max/mdev = 0.174/0.183/0.197/0.007 ms
○ ubuntu@ip-172-31-22-251:~$
```