

Testing speedup on c program who calculate pi with 1,000,000,000 points.

Cloud vs Local device with 5 threads

```
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (13.003108)
threads (5)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (9.694096)
threads (5)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (12.604805)
threads (5)
```

```
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (11.135394)
threads (5)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (13.237119)
threads (5)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (13.294897)
threads (5)
```

Cloud vs Local device with 15 threads

```
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (6.815093)
threads (15)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (8.678375)
threads (15)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (4.849627)
threads (15)
```

```
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (5.508667)
threads (15)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (8.434990)
threads (15)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (9.409248)
threads (15)
```

Cloud vs Local device with 50 threads

```
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (2.714028)
threads (50)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (4.817257)
threads (50)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (2.924475)
threads (50)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (4.140277)
threads (50)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (4.982516)
threads (50)
```

```
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (3.750329)
threads (50)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.959078)
threads (50)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (5.397910)
threads (50)
```

Cloud vs Local device with max threads number

```
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.712500)
threads (32747)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.696364)
threads (32747)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.715201)
threads (32747)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.725148)
threads (32747)
a01734225@cream:~/gcloud-testing$ gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.714545)
threads (32747)
```

```
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.741192)
threads (18230)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (2.195991)
threads (18230)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (2.045077)
threads (18230)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.558461)
threads (18230)
> gcc act1-1.c -fopenmp && ./a.out
pi = (3.141593)
time (1.676629)
threads (18230)
```

Testing speedup and cache capacity with 5 threads writing derivative points on file.

Cloud vs Local device with max points to write.

```
a01734225@cream:~/gcloud-testing$ gcc act1-2.c -fopenmp && ./a.out
Tread #4
  N: 523703
  W: 2.661651

Tread #2
  N: 523703
  W: 2.661651

Tread #3
  N: 523703
  W: 2.661651

Tread #5
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Time: 0.340759s
```

```
> gcc act1-2.c -fopenmp && ./a.out
Tread #5
  N: 523703
  W: 2.661651

Tread #2
  N: 523703
  W: 2.661651

Tread #4
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Tread #3
  N: 523703
  W: 2.661651

Time: 0.294197s
```

```
a01734225@cream:~/gcloud-testing$ gcc act1-2.c -fopenmp && ./a.out
Tread #3
  N: 523703
  W: 2.661651

Tread #2
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Tread #4
  N: 523703
  W: 2.661651

Tread #5
  N: 523703
  W: 2.661651

Time: 0.330977s
```

```
> gcc act1-2.c -fopenmp && ./a.out
Tread #4
  N: 523703
  W: 2.661651

Tread #3
  N: 523703
  W: 2.661651

Tread #2
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Tread #5
  N: 523703
  W: 2.661651

Time: 0.345147s
```

```
a01734225@cream:~/gcloud-testing$ gcc act1-2.c -fopenmp && ./a.out
Tread #3
  N: 523703
  W: 2.661651

Tread #5
  N: 523703
  W: 2.661651

Tread #4
  N: 523703
  W: 2.661651

Tread #2
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Time: 0.319176s
```

```
> gcc act1-2.c -fopenmp && ./a.out
Tread #2
  N: 523703
  W: 2.661651

Tread #1
  N: 523703
  W: 2.661651

Tread #4
  N: 523703
  W: 2.661651

Tread #3
  N: 523703
  W: 2.661651

Tread #5
  N: 523703
  W: 2.661651

Time: 0.315876s
```

Threatening 40 bmp images to result as new flip image

Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-1.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #8 was succesfull!!!
Img #38 was succesfull!!!
Img #1 was succesfull!!!
Img #2 was succesfull!!!
Img #30 was succesfull!!!
Img #6 was succesfull!!!
Img #20 was succesfull!!!
Img #12 was succesfull!!!
Img #5 was succesfull!!!
Img #15 was succesfull!!!
Img #4 was succesfull!!!
Img #14 was succesfull!!!
Img #3 was succesfull!!!
Img #22 was succesfull!!!
Img #10 was succesfull!!!
Img #37 was succesfull!!!
Img #17 was succesfull!!!
Img #9 was succesfull!!!
Img #28 was succesfull!!!
Img #19 was succesfull!!!
Img #7 was succesfull!!!
Img #13 was succesfull!!!
Img #34 was succesfull!!!
Img #32 was succesfull!!!
Img #18 was succesfull!!!
Img #23 was succesfull!!!
Img #25 was succesfull!!!
Img #26 was succesfull!!!
Img #11 was succesfull!!!
Img #33 was succesfull!!!
Img #40 was succesfull!!!
Img #31 was succesfull!!!
Img #29 was succesfull!!!
Img #39 was succesfull!!!
Img #24 was succesfull!!!
Img #21 was succesfull!!!
Img #27 was succesfull!!!
Img #35 was succesfull!!!

Images: 40
Time: 2.044023s
```

```
> gcc act2-1.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #30 was succesfull!!!
Img #20 was succesfull!!!
Img #4 was succesfull!!!
Img #11 was succesfull!!!
Img #8 was succesfull!!!
Img #9 was succesfull!!!
Img #1 was succesfull!!!
Img #14 was succesfull!!!
Img #19 was succesfull!!!
Img #2 was succesfull!!!
Img #18 was succesfull!!!
Img #3 was succesfull!!!
Img #7 was succesfull!!!
Img #37 was succesfull!!!
Img #22 was succesfull!!!
Img #13 was succesfull!!!
Img #10 was succesfull!!!
Img #17 was succesfull!!!
Img #5 was succesfull!!!
Img #6 was succesfull!!!
Img #31 was succesfull!!!
Img #12 was succesfull!!!
Img #27 was succesfull!!!
Img #15 was succesfull!!!
Img #34 was succesfull!!!
Img #38 was succesfull!!!
Img #35 was succesfull!!!
Img #33 was succesfull!!!
Img #23 was succesfull!!!
Img #28 was succesfull!!!
Img #29 was succesfull!!!
Img #24 was succesfull!!!
Img #32 was succesfull!!!
Img #39 was succesfull!!!
Img #25 was succesfull!!!
Img #26 was succesfull!!!
Img #21 was succesfull!!!
Img #40 was succesfull!!!

Images: 40
Time: 0.921269s
```

Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-1.c -fopenmp && ./a.out
Img #16 was successful!!!
Img #36 was successful!!!
Img #30 was successful!!!
Img #1 was successful!!!
Img #13 was successful!!!
Img #5 was successful!!!
Img #19 was successful!!!
Img #2 was successful!!!
Img #20 was successful!!!
Img #17 was successful!!!
Img #8 was successful!!!
Img #4 was successful!!!
Img #12 was successful!!!
Img #11 was successful!!!
Img #10 was successful!!!
Img #18 was successful!!!
Img #21 was successful!!!
Img #3 was successful!!!
Img #32 was successful!!!
Img #7 was successful!!!
Img #14 was successful!!!
Img #35 was successful!!!
Img #33 was successful!!!
Img #37 was successful!!!
Img #9 was successful!!!
Img #15 was successful!!!
Img #25 was successful!!!
Img #39 was successful!!!
Img #6 was successful!!!
Img #31 was successful!!!
Img #34 was successful!!!
Img #27 was successful!!!
Img #22 was successful!!!
Img #28 was successful!!!
Img #23 was successful!!!
Img #29 was successful!!!
Img #24 was successful!!!
Img #38 was successful!!!
Img #26 was successful!!!
Img #40 was successful!!!

Images: 40
Time: 1.679356s
```

```
> gcc act2-1.c -fopenmp && ./a.out
Img #16 was successful!!!
Img #12 was successful!!!
Img #36 was successful!!!
Img #34 was successful!!!
Img #33 was successful!!!
Img #32 was successful!!!
Img #5 was successful!!!
Img #38 was successful!!!
Img #17 was successful!!!
Img #37 was successful!!!
Img #15 was successful!!!
Img #7 was successful!!!
Img #28 was successful!!!
Img #14 was successful!!!
Img #24 was successful!!!
Img #9 was successful!!!
Img #35 was successful!!!
Img #2 was successful!!!
Img #13 was successful!!!
Img #19 was successful!!!
Img #11 was successful!!!
Img #10 was successful!!!
Img #20 was successful!!!
Img #18 was successful!!!
Img #6 was successful!!!
Img #30 was successful!!!
Img #1 was successful!!!
Img #8 was successful!!!
Img #4 was successful!!!
Img #23 was successful!!!
Img #3 was successful!!!
Img #31 was successful!!!
Img #22 was successful!!!
Img #25 was successful!!!
Img #29 was successful!!!
Img #21 was successful!!!
Img #26 was successful!!!
Img #39 was successful!!!
Img #27 was successful!!!
Img #40 was successful!!!

Images: 40
Time: 0.930498s
```


Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-1.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #4 was succesfull!!!
Img #13 was succesfull!!!
Img #30 was succesfull!!!
Img #15 was succesfull!!!
Img #1 was succesfull!!!
Img #20 was succesfull!!!
Img #12 was succesfull!!!
Img #6 was succesfull!!!
Img #10 was succesfull!!!
Img #3 was succesfull!!!
Img #7 was succesfull!!!
Img #28 was succesfull!!!
Img #2 was succesfull!!!
Img #5 was succesfull!!!
Img #33 was succesfull!!!
Img #26 was succesfull!!!
Img #14 was succesfull!!!
Img #18 was succesfull!!!
Img #23 was succesfull!!!
Img #17 was succesfull!!!
Img #11 was succesfull!!!
Img #37 was succesfull!!!
Img #9 was succesfull!!!
Img #8 was succesfull!!!
Img #31 was succesfull!!!
Img #32 was succesfull!!!
Img #19 was succesfull!!!
Img #38 was succesfull!!!
Img #29 was succesfull!!!
Img #22 was succesfull!!!
Img #25 was succesfull!!!
Img #24 was succesfull!!!
Img #39 was succesfull!!!
Img #34 was succesfull!!!
Img #35 was succesfull!!!
Img #40 was succesfull!!!
Img #27 was succesfull!!!
Img #21 was succesfull!!!

Images: 40
Time: 2.025052s
```

```
> gcc act2-1.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #6 was succesfull!!!
Img #11 was succesfull!!!
Img #1 was succesfull!!!
Img #9 was succesfull!!!
Img #30 was succesfull!!!
Img #17 was succesfull!!!
Img #18 was succesfull!!!
Img #5 was succesfull!!!
Img #15 was succesfull!!!
Img #13 was succesfull!!!
Img #2 was succesfull!!!
Img #3 was succesfull!!!
Img #10 was succesfull!!!
Img #12 was succesfull!!!
Img #8 was succesfull!!!
Img #4 was succesfull!!!
Img #19 was succesfull!!!
Img #20 was succesfull!!!
Img #37 was succesfull!!!
Img #33 was succesfull!!!
Img #27 was succesfull!!!
Img #14 was succesfull!!!
Img #7 was succesfull!!!
Img #38 was succesfull!!!
Img #25 was succesfull!!!
Img #24 was succesfull!!!
Img #31 was succesfull!!!
Img #35 was succesfull!!!
Img #23 was succesfull!!!
Img #32 was succesfull!!!
Img #40 was succesfull!!!
Img #29 was succesfull!!!
Img #26 was succesfull!!!
Img #22 was succesfull!!!
Img #28 was succesfull!!!
Img #39 was succesfull!!!
Img #21 was succesfull!!!
Img #34 was succesfull!!!

Images: 40
Time: 0.876172s
```

Threatening 40 bmp images to result as a new blurred 7x7 pixels image.

Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #4 was succesfull!!!
Img #15 was succesfull!!!
Img #12 was succesfull!!!
Img #3 was succesfull!!!
Img #9 was succesfull!!!
Img #18 was succesfull!!!
Img #5 was succesfull!!!
Img #17 was succesfull!!!
Img #13 was succesfull!!!
Img #20 was succesfull!!!
Img #37 was succesfull!!!
Img #1 was succesfull!!!
Img #6 was succesfull!!!
Img #2 was succesfull!!!
Img #11 was succesfull!!!
Img #10 was succesfull!!!
Img #7 was succesfull!!!
Img #8 was succesfull!!!
Img #19 was succesfull!!!
Img #14 was succesfull!!!
Img #34 was succesfull!!!
Img #31 was succesfull!!!
Img #32 was succesfull!!!
Img #33 was succesfull!!!
Img #28 was succesfull!!!
Img #35 was succesfull!!!
Img #23 was succesfull!!!
Img #22 was succesfull!!!
Img #38 was succesfull!!!
Img #25 was succesfull!!!
Img #39 was succesfull!!!
Img #24 was succesfull!!!
Img #30 was succesfull!!!
Img #21 was succesfull!!!
Img #29 was succesfull!!!
Img #26 was succesfull!!!
Img #40 was succesfull!!!
Img #27 was succesfull!!!

Images: 40
Time: 11.962631s
```

```
> gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #17 was succesfull!!!
Img #37 was succesfull!!!
Img #10 was succesfull!!!
Img #1 was succesfull!!!
Img #9 was succesfull!!!
Img #14 was succesfull!!!
Img #11 was succesfull!!!
Img #4 was succesfull!!!
Img #8 was succesfull!!!
Img #19 was succesfull!!!
Img #6 was succesfull!!!
Img #2 was succesfull!!!
Img #15 was succesfull!!!
Img #18 was succesfull!!!
Img #3 was succesfull!!!
Img #13 was succesfull!!!
Img #7 was succesfull!!!
Img #31 was succesfull!!!
Img #32 was succesfull!!!
Img #5 was succesfull!!!
Img #20 was succesfull!!!
Img #33 was succesfull!!!
Img #12 was succesfull!!!
Img #38 was succesfull!!!
Img #28 was succesfull!!!
Img #34 was succesfull!!!
Img #35 was succesfull!!!
Img #22 was succesfull!!!
Img #30 was succesfull!!!
Img #21 was succesfull!!!
Img #25 was succesfull!!!
Img #24 was succesfull!!!
Img #23 was succesfull!!!
Img #39 was succesfull!!!
Img #26 was succesfull!!!
Img #27 was succesfull!!!
Img #29 was succesfull!!!
Img #40 was succesfull!!!

Images: 40
Time: 8.389720s
```

Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #11 was succesfull!!!
Img #18 was succesfull!!!
Img #6 was succesfull!!!
Img #3 was succesfull!!!
Img #12 was succesfull!!!
Img #14 was succesfull!!!
Img #9 was succesfull!!!
Img #5 was succesfull!!!
Img #8 was succesfull!!!
Img #20 was succesfull!!!
Img #19 was succesfull!!!
Img #4 was succesfull!!!
Img #17 was succesfull!!!
Img #2 was succesfull!!!
Img #7 was succesfull!!!
Img #1 was succesfull!!!
Img #10 was succesfull!!!
Img #37 was succesfull!!!
Img #15 was succesfull!!!
Img #13 was succesfull!!!
Img #38 was succesfull!!!
Img #33 was succesfull!!!
Img #35 was succesfull!!!
Img #34 was succesfull!!!
Img #22 was succesfull!!!
Img #28 was succesfull!!!
Img #23 was succesfull!!!
Img #32 was succesfull!!!
Img #31 was succesfull!!!
Img #30 was succesfull!!!
Img #39 was succesfull!!!
Img #29 was succesfull!!!
Img #25 was succesfull!!!
Img #26 was succesfull!!!
Img #21 was succesfull!!!
Img #24 was succesfull!!!
Img #40 was succesfull!!!
Img #27 was succesfull!!!

Images: 40
Time: 11.831175s
```

```
> gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #11 was succesfull!!!
Img #20 was succesfull!!!
Img #7 was succesfull!!!
Img #6 was succesfull!!!
Img #4 was succesfull!!!
Img #9 was succesfull!!!
Img #13 was succesfull!!!
Img #8 was succesfull!!!
Img #15 was succesfull!!!
Img #3 was succesfull!!!
Img #19 was succesfull!!!
Img #17 was succesfull!!!
Img #18 was succesfull!!!
Img #14 was succesfull!!!
Img #10 was succesfull!!!
Img #12 was succesfull!!!
Img #1 was succesfull!!!
Img #28 was succesfull!!!
Img #5 was succesfull!!!
Img #2 was succesfull!!!
Img #37 was succesfull!!!
Img #33 was succesfull!!!
Img #34 was succesfull!!!
Img #23 was succesfull!!!
Img #29 was succesfull!!!
Img #31 was succesfull!!!
Img #32 was succesfull!!!
Img #30 was succesfull!!!
Img #35 was succesfull!!!
Img #22 was succesfull!!!
Img #38 was succesfull!!!
Img #24 was succesfull!!!
Img #39 was succesfull!!!
Img #40 was succesfull!!!
Img #26 was succesfull!!!
Img #25 was succesfull!!!
Img #27 was succesfull!!!
Img #21 was succesfull!!!

Images: 40
Time: 5.320574s
```

Cloud vs Local device.

```
a01734225@cream:~/gcloud-testing$ gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #18 was succesfull!!!
Img #3 was succesfull!!!
Img #1 was succesfull!!!
Img #15 was succesfull!!!
Img #19 was succesfull!!!
Img #17 was succesfull!!!
Img #8 was succesfull!!!
Img #5 was succesfull!!!
Img #14 was succesfull!!!
Img #4 was succesfull!!!
Img #10 was succesfull!!!
Img #11 was succesfull!!!
Img #37 was succesfull!!!
Img #6 was succesfull!!!
Img #20 was succesfull!!!
Img #12 was succesfull!!!
Img #9 was succesfull!!!
Img #7 was succesfull!!!
Img #2 was succesfull!!!
Img #13 was succesfull!!!
Img #33 was succesfull!!!
Img #34 was succesfull!!!
Img #31 was succesfull!!!
Img #32 was succesfull!!!
Img #28 was succesfull!!!
Img #38 was succesfull!!!
Img #23 was succesfull!!!
Img #35 was succesfull!!!
Img #21 was succesfull!!!
Img #22 was succesfull!!!
Img #24 was succesfull!!!
Img #30 was succesfull!!!
Img #29 was succesfull!!!
Img #25 was succesfull!!!
Img #39 was succesfull!!!
Img #27 was succesfull!!!
Img #26 was succesfull!!!
Img #40 was succesfull!!!

Images: 40
Time: 11.985639s
```

```
> gcc act2-2.c -fopenmp && ./a.out
Img #16 was succesfull!!!
Img #36 was succesfull!!!
Img #5 was succesfull!!!
Img #1 was succesfull!!!
Img #14 was succesfull!!!
Img #10 was succesfull!!!
Img #11 was succesfull!!!
Img #19 was succesfull!!!
Img #8 was succesfull!!!
Img #18 was succesfull!!!
Img #17 was succesfull!!!
Img #2 was succesfull!!!
Img #7 was succesfull!!!
Img #3 was succesfull!!!
Img #9 was succesfull!!!
Img #15 was succesfull!!!
Img #6 was succesfull!!!
Img #12 was succesfull!!!
Img #13 was succesfull!!!
Img #4 was succesfull!!!
Img #22 was succesfull!!!
Img #20 was succesfull!!!
Img #38 was succesfull!!!
Img #37 was succesfull!!!
Img #32 was succesfull!!!
Img #34 was succesfull!!!
Img #31 was succesfull!!!
Img #35 was succesfull!!!
Img #33 was succesfull!!!
Img #23 was succesfull!!!
Img #21 was succesfull!!!
Img #28 was succesfull!!!
Img #25 was succesfull!!!
Img #26 was succesfull!!!
Img #30 was succesfull!!!
Img #39 was succesfull!!!
Img #24 was succesfull!!!
Img #29 was succesfull!!!
Img #27 was succesfull!!!
Img #40 was succesfull!!!

Images: 40
Time: 5.403375s
```

Device Hardware comparative.

Result of `$ inxi -Fx` command.

Cloud vs Local Machine.

```
a01734225@cream:~/gcloud-testing$ inxi -Fx
System:      Host: cream Kernel: 5.10.0-19-cloud-amd64 x86_64 bits: 64 compiler: gcc v: 10.2.1 Console: tty 0
              Distro: Debian GNU/Linux 11 (bullseye)
Machine:     Type: Kvm Mobo: Google model: Google Compute Engine serial: <superuser required> UEFI: Google v: Google
              date: 10/26/2022
CPU:         Info: 8-Core model: Intel Xeon bits: 64 type: MT MCP arch: Broadwell rev: 0 L2 cache: 55 MiB
              flags: avx avx2 lm nx pae sse sse2 sse3 sse4_1 sse4_2 ssse3 bogomips: 70405
              Speed: 2200 MHz min/max: N/A Core speeds (MHz): 1: 2200 2: 2200 3: 2200 4: 2200 5: 2200 6: 2200 7: 2200 8: 2200
              9: 2200 10: 2200 11: 2200 12: 2200 13: 2200 14: 2200 15: 2200 16: 2200
Graphics:    Message: No Device data found.
              Display: server: No display server data found. Headless machine? tty: 241x62
              Message: Advanced graphics data unavailable in console. Try -G --display
Audio:       Message: No Device data found.
Network:     Device-1: Intel 82371AB/EB/MB PIIX4 ACPI type: network bridge driver: N/A port: N/A bus ID: 00:01.3
              Device-2: Red Hat Virtio network driver: virtio-pci v: 1 port: c000 bus ID: 00:04.0
              IF: ens4 state: up speed: -1 duplex: unknown mac: 42:01:0a:b6:00:03
Drives:      Local Storage: total: 10 GiB used: 3.38 GiB (33.8%)
              ID-1: /dev/sda model: PersistentDisk size: 10 GiB
Partition:   ID-1: / size: 9.62 GiB used: 3.38 GiB (35.1%) fs: ext4 dev: /dev/sda1
              ID-2: /boot/efi size: 123.7 MiB used: 5.9 MiB (4.8%) fs: vfat dev: /dev/sda15
Swap:        Alert: No Swap data was found.
Sensors:     Message: No sensors data was found. Is sensors configured?
Info:        Processes: 177 Uptime: 54m Memory: 15.63 GiB used: 627.6 MiB (3.9%) Init: systemd runlevel: 5 Compilers:
              gcc: 10.2.1 Packages: 415 Shell: Bash v: 5.1.4 inxi: 3.3.01
```

```
> inxi -Fx
System:      Host: paolo Kernel: 6.0.2-76060002-generic x86_64 bits: 64 compiler: N/A
              Desktop: GNOME 42.3.1 Distro: Pop!_OS 22.04 LTS
              base: Ubuntu 22.04 LTS Jammy
```

```
CPU:         Info: 8-core model: AMD Ryzen 7 4800H with Radeon Graphics bits: 64
              type: MT MCP arch: Zen 2 rev: 1 cache: L1: 512 KiB L2: 4 MiB L3: 8 MiB
              Speed (MHz): avg: 1455 high: 2545 min/max: 1400/2900 boost: enabled
              cores: 1: 1272 2: 1400 3: 1273 4: 1400 5: 2545 6: 1400 7: 1400 8: 1400
              9: 1397 10: 1400 11: 1400 12: 1400 13: 1400 14: 1400 15: 1400 16: 1400
              bogomips: 92628
              Flags: avx avx2 ht lm nx pae sse sse2 sse3 sse4_1 sse4_2 sse4a ssse3 svm
```

```
Info:        Processes: 430 Uptime: 4h 19m Memory: 15 GiB used: 7.51 GiB (50.1%)
              Init: systemd runlevel: 5 Compilers: gcc: 11.3.0 Packages: 2433 Shell: Zsh
              v: 5.8.1 inxi: 3.3.13
```