

GPU

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GPU

NVIDIA Driver

[NVIDIA Driver install](#)

CUDA GPU

가

gpu-burn NVIDIA

```
yum -y install gcc gcc-c++ libcublas-devel-12-0 cuda-cudart-devel-12-0 cuda-nvcc-12-0
```

```
$ git clone https://github.com/wilicc/gpu-burn.git
$ cd gpu-burn/
$ make
```

gpu_burn

```
[root@kvm33 gpu-burn]# ./gpu_burn
Run length not specified in the command line. Burning for 10 seconds.
GPU 0: NVIDIA T1000 8GB (UUID: GPU-174cc61b-dfff-73a1-b752-314e391236a4)
Initialized device 0 with 7967 MB of memory (7710 MB available, using 6939
MB of it), using FLOATS
Results are 16777216 bytes each, thus performing 431 iterations
40.0% proc'd: 431 (2083 Gflop/s)  errors: 0  temps: 45 C
    Summary at:  Thu Jan  5 02:28:47 PM KST 2023

70.0% proc'd: 862 (2389 Gflop/s)  errors: 0  temps: 56 C
    Summary at:  Thu Jan  5 02:28:50 PM KST 2023

100.0% proc'd: 1293 (2390 Gflop/s)  errors: 0  temps: 56 C
    Summary at:  Thu Jan  5 02:28:53 PM KST 2023

100.0% proc'd: 1724 (2376 Gflop/s)  errors: 0  temps: 60 C
Killing processes.. Freed memory for dev 0
Uninitiated cublas
done

Tested 1 GPUs:
    GPU 0: OK
```

nvidia-smi

```

Thu Jan 5 14:29:33 2023
+-----+
--+
| NVIDIA-SMI 525.60.13      Driver Version: 525.60.13      CUDA Version: 12.0
|
+-----+-----+-----+
--+
| GPU   Name                Persistence-M| Bus-Id        Disp.A | Volatile Uncorr.
ECC |
| Fan   Temp   Perf   Pwr:Usage/Cap|      Memory-Usage | GPU-Util  Compute
M. |
|      |      |      |      |      |      |      |      |
M. |
|=====+=====+=====+
==|
|  0   NVIDIA T1000  8GB   Off   | 00000000:61:00.0 Off  |
N/A |
| 41%   61C    P0     N/A / 50W | 7185MiB / 8192MiB |    100%
Default |
|      |      |      |      |      |      |      |      |
N/A |
+-----+-----+-----+
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--+
| Processes:
|
| GPU   GI    CI          PID    Type   Process name          GPU
Memory |
|      | ID    ID             |          |          |          |
|      |      |      |          |          |          |          |
+-----+-----+-----+
==|
|  0   N/A  N/A       12849    C     ./gpu_burn            7182MiB |
+-----+-----+-----+
--+

```

- <https://github.com/wilicc/gpu-burn>
- <https://bluecolorsky.tistory.com/53>

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https://atl.kr/dokuwiki/doku.php/rhel9_gpu_test

Last update: **2023/01/05 05:31**

