

Report.2.Device.Info

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We analyse the information of T4 GPU of Google Colab.

```
Found 1 CUDA devices
id 0          b'Tesla T4'          [SUPPORTED]
          Compute Capability: 7.5
          PCI Device ID: 4
          PCI Bus ID: 0
          UUID: GPU-1db530b7-d509-2cd0-bd55-24d2dd4e3db7
          Watchdog: Disabled
          FP32/FP64 Performance Ratio: 32
```

Summary:

```
1/1 devices are supported
Device Name: b'Tesla T4'
Multiprocessor Count: 40
Total Cores (Estimated): 2560
```

Total memory: 15102.06 MB

Detailed Attributes:

```
COMPUTE_CAPABILITY_MAJOR: 7
COMPUTE_CAPABILITY_MINOR: 5
KERNEL_EXEC_TIMEOUT: 0
MULTIPROCESSOR_COUNT: 40
PCI_BUS_ID: 0
PCI_DEVICE_ID: 4
SINGLE_TO_DOUBLE_PRECISION_PERF_RATIO: 32
TCC_DRIVER: 0
attributes: {}
```

```
compute_capability: (7, 5)
```

```
from_identity: <bound method Device.from_identity of <class 'numba.cuda.cudadrv.driver.Device'>>
get_device_identity: <bound method Device.get_device_identity of <CUDA device 0 'b'Tesla T4'>>
get_primary_context: <bound method Device.get_primary_context of <CUDA device 0 'b'Tesla T4'>>
id: 0
```

```
name: b'Tesla T4'
```

```
primary_context: <CUDA context c_void_p(94669588235824) of device 0>
```

```
release_primary_context: <bound method Device.release_primary_context of <CUDA device 0 'b'>
reset: <bound method Device.reset of <CUDA device 0 'b'Tesla T4''>>
supports_float16: True
uuid: GPU-1db530b7-d509-2cd0-bd55-24d2dd4e3db7
```