Disco

Memory info

- 250 GB total RAM
- No Swap

CPU infos

- Intel(R) Xeon(R) Gold 5416S
- Frequency 2.0 GHz
- Arch=x86_64
- CoresPerSocket=16
- CPUTot=64
- Sockets=2 Boards=1
- ThreadsPerCore=2

GPU infos

```
+-----------------------------------------------------------------------
------------+
| NVIDIA-SMI 535.216.03              Driver Version: 535.216.03    CUDA
Version: 12.2      |
|-----------------------------------------+----------------------+----------
------------+
| GPU  Name                 Persistence-M | Bus-Id         Disp.A | Volatile
Uncorr. ECC |
| Fan  Temp   Perf          Pwr:Usage/Cap |         Memory-Usage | GPU-Util
Compute M. |
|                                         |                      |
MIG M. |
|=========================================+======================+==========
============|
|   0  NVIDIA A100 80GB PCIe          On  | 00000000:CA:00.0 Off |
0 |
| N/A   29C    P0                51W / 300W |      3MiB / 81920MiB |      0%
Default |
|                                         |                      |
Disabled |
+-----------------------------------------+----------------------+----------
------------+
|   1  NVIDIA A100 80GB PCIe          On  | 00000000:E1:00.0 Off |
0 |
| N/A   31C    P0                53W / 300W |      3MiB / 81920MiB |      0%
Default |
|                                         |                      |
Disabled |
```

```
+------------------------------------+----------------------+----------
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+--------------------------------------------------------------------
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| Processes:
|
|  GPU   GI   CI         PID   Type   Process name
GPU Memory |
|       ID   ID
Usage      |
|=====================================================================
============|
|  No running processes found
|
+--------------------------------------------------------------------
------------+
```

Shards : maximum 80 shards of GPU for an A100

Storage

/data/disk01 :

Read / Write performances :

```
Read :
Timing cached reads:   19796 MB in  2.00 seconds = 9912.87 MB/sec
Timing buffered disk reads: 3232 MB in  3.00 seconds = 1077.33 MB/sec

Write :
2147483648 bytes (2.1 GB, 2.0 GiB) copied, 2.42025 s, 887 MB/s
```

/data/space :

Read / Write performances :

```
Read :
Timing cached reads:   19630 MB in  2.00 seconds = 9828.78 MB/sec
Timing buffered disk reads: 6350 MB in  3.00 seconds = 2116.65 MB/sec

Write :
2147483648 bytes (2.1 GB, 2.0 GiB) copied, 0.935925 s, 2.3 GB/s
```

Capacity :

To be discussed on each project integration

Access

Disco is at disco.hevs.ch

See The ISC Computational Center for details about requesting access.

From:
https://wiki.isc-vs.ch/ - **The ISC wiki**

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