# Disco

## 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

## Memory info

- 250 GB total RAM
- No Swap

## 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
|
+-----------------------------------------------------------------------------
------------+
```

## 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

See The ISC Computational Center for details.