Chacha

Memory info

- 1 TB total RAM
- 8 GB Swap

CPU infos

- INTEL(R) XEON(R) GOLD 6542Y
- Frequency 2.9 GHz
- Arch=x86_64
- CoresPerSocket=24
- CPUTot=96
- 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 H100 NVL             On  | 00000000:CA:00.0 Off |
0 |
| N/A   29C    P0               63W / 400W |      0MiB / 95830MiB |      0%
Default |
|                                         |                      |
Disabled |
+-----------------------------------------+----------------------+----------
------------+
|   1  NVIDIA H100 NVL             On  | 00000000:E1:00.0 Off |
0 |
| N/A   30C    P0               60W / 400W |      0MiB / 95830MiB |      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 96 shards of GPU for an H100

Storage

/data :

Read / Write performances :

```
Read :
Timing cached reads:   20386 MB in  2.00 seconds = 10205.98 MB/sec
Timing buffered disk reads: 6948 MB in  3.00 seconds = 2315.97 MB/sec

Write :
2147483648 bytes (2.1 GB, 2.0 GiB) copied, 1.77695 s, 1.2 GB/s
```

Capacity :

To be discussed on each project integration

SLURM configuration

When you run jobs on Chacha, you need to specify the partition (no defaults for now) :

```
#SBATCH --partition=Chacha
```

Access

See The ISC Computational Center for details.

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

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