

CBI common calculation servers

You can authenticate yourself on the servers directly using your IGBMC credentials, so the username should be the same, and if you had the same password, it will then be transparent for you.

```
ssh <login>@<server_name>
```

Here is the updated name list:

- cbi-compute-01
- cbi-gpu-03
- cbi-gpu-04

Useful commands

- check the slurm queue: *squeue*
- check the GPU usage : *nvidia-smi*
- check the software available: *module avail*

Server specifications

cbi-compute-01

- CPU: Intel(R) Xeon(R) CPU E7-4880 v2 @ 2.50GHz
- Mem: 1 TB

cbi-gpu-03

- CPU: Intel(R) Xeon(R) CPU E5-2620 v4 @ 2.10GHz *2
- Mem: 128 GB
- GPU: GK210GL [Tesla K80] 12 GB *4

cbi-gpu-04

- CPU: Intel(R) Xeon(R) CPU E5-2620 v4 @ 2.10GHz *2
- Mem: 128 GB
- GPU: GK210GL [Tesla K80] 12 GB *2
- GPU: GP100GL [Tesla P100 PCIe 16GB]

Available softwares

as of 2023-05-11

cbi-compute-01

- */usr/local/modules/modulefiles*

```

autoproc/2018    ccpem/1.4.1-nightly    gamess/20170511    phenix/1.11.1
reliion/3.1.2-cpu
buster/2016     cistem/1.0.0-beta     imagic/170515     phenix/1.12
xds/2017-03-02
buster/2017     dynamo/1.1.291       imagic/181101     phenix/1.14
xds/2017-06-12
buster/2018     eman2/2.3             imod/4.8.14      phenix/1.18
xds/2018-04-03
ccp4/7.0        eman2/2.9             imod/4.9.5       phenix/1.19
xdsme/20170529
ccpem/1.0.0     eman2/2.31           modeller/9.20     rave/2008
xmipp/3.19
    
```

- */opt/CBI/modulefiles*

```
phenix/1.13-2998  reliion/2.0.3-cpu  reliion/2.1-cpu
```

- */mnt/storage/software/modulefiles*

```

4.0.0-stable    cistem/1.0           dynamo/1.1.514
motioncor2/1.5.0  reliion/4.0.0
itom/2022-03-10  cistem/2021-05-03   eman2/2.9
motioncor2/1.6.3  resmap/1.95
utoproc/2021-04-20 cryodrgn/0.3.4      imod/4.11.5
phenix/1.19.2    rosetta/3.13
uster/2021-04-20 cryolo-cpu/1.7      imod/4.11.8      pyem/0.5
scipion/3.0.0
ccp4/7.1         cryolo-gpu/1.7      imosflm/7.4.0
pymol/2.5.0     topaz/0.2.5
ccpem/1.5.0     cryolo-gpu/1.8      microed_tools/0.1.0
pyrosetta/291   xds/2021-02-05
chimera/1.15    ctffind/4.1.14     modeller/10.2
reliion/3.1.2
chimeraX/1.2    deep-finder/2021-04-15 motioncor2/1.4.2
reliion/3.1.3(default)
    
```

cbi-gpu-03

- */usr/local/modules/modulefiles*

```

chimera/1.11.2  cryolo/1.7  dynamo/1.1.291  eman2/2.2  eman2/2.3  eman2/2.9
eman2/2.12
imod/4.8.14    imod/4.9.5  imod/4.9.12  motioncor2/1.4  reliion/3.1.2-gpu
topaz/0.2.4
    
```

- */opt/CBI/modulefiles*

```
reliion/2.0.3-gpu  reliion/2.1-gpu
```

- */mnt/storage/software/modulefiles*

```
4.0.0-stable    cistem/1.0           dynamo/1.1.514
```

```

motioncor2/1.5.0      relion/4.0.0
aitom/2022-03-10     cistem/2021-05-03   eman2/2.9
motioncor2/1.6.3     resmap/1.95
autoproc/2021-04-20 cryodrgn/0.3.4       imod/4.11.5
phenix/1.19.2        rosetta/3.13
buster/2021-04-20    cryolo-cpu/1.7       imod/4.11.8       pyem/0.5
scipion/3.0.0
ccp4/7.1              cryolo-gpu/1.7       imosflm/7.4.0
pymol/2.5.0           topaz/0.2.5
ccpem/1.5.0           cryolo-gpu/1.8       microed_tools/0.1.0
pyrosetta/291         xds/2021-02-05
chimera/1.15          ctffind/4.1.14       modeller/10.2
relion/3.1.2
chimeraX/1.2          deep-finder/2021-04-15 motioncor2/1.4.2
relion/3.1.3(default)

```

cbi-gpu-04

- /mnt/storage/software/modulefiles

```

4.0.0-stable         cistem/1.0           dynamo/1.1.514
motioncor2/1.5.0     relion/4.0.0
aitom/2022-03-10     cistem/2021-05-03   eman2/2.9
motioncor2/1.6.3     resmap/1.95
autoproc/2021-04-20 cryodrgn/0.3.4       imod/4.11.5
phenix/1.19.2        rosetta/3.13
buster/2021-04-20    cryolo-cpu/1.7       imod/4.11.8
pyem/0.5              scipion/3.0.0
ccp4/7.1              cryolo-gpu/1.7       imosflm/7.4.0
pymol/2.5.0           topaz/0.2.5
ccpem/1.5.0           cryolo-gpu/1.8       microed_tools/0.1.0
pyrosetta/291         xds/2021-02-05
chimera/1.15          ctffind/4.1.14       modeller/10.2
relion/3.1.2
chimeraX/1.2          deep-finder/2021-04-15 motioncor2/1.4.2
relion/3.1.3(default)

```

From:
<https://bsi.inscog.eu/> - **BSI wiki**

Permanent link:
https://bsi.inscog.eu/doku.php?id=calculation_servers&rev=1683794401

Last update: **2023/11/01 20:14**

