

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>
```

If you are outside IGBMC you first need to log to a gateway: `ssh -XC <login>@passh.u-strasbg.fr`

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`
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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]
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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
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- */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
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- */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

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