

# List of DISCOVERY Apps

Last Updated: 12/17/2024

----- /cm/local/modulefiles -----

boost/1.81.0

cluster-tools/10.0 (L)

cm-bios-tools

cm-image/10.0

cm-scale/cm-scale.module

cm-setup/10.0 (L)

cmake-gcc11/3.21.3

cmd (L)

cmjob

cmsh

cuda-dcgm/3.3.6.1

dot

freeipmi/1.6.10

gcc/13.1.0

ipmitool/1.8.19

lua/5.4.6

luajit

mariadb-libs

module-git

module-info

null  
openldap  
python3  
python311  
python39  
rocm-smi/4.3.0  
shared (L)  
slurm/rithpc/23.02.8 (L)

----- /usr/share/modulefiles -----

DefaultModules (L)  
mpi/mpich-x86\_64

----- /cm/shared/modulefiles -----

3Dslicer/5.6.2  
ANTs/2.5.1  
AZ\_StorageExp/1.0.0  
FSL/6.0.7  
IGV\_tools/2.17.4  
JAGS/4.3.2  
Nextflow/23.10.1  
Nextflow/24.04.4 (D)  
OpenPMIx/5.0.2  
R/4.3.2+Bioconductor  
R/4.3.2

R/4.4.0+Bioconductor  
R/4.4.0+Shenderovlab-scRNAseq  
R/4.4.0  
R/4.4.2+Bioconductor  
R/4.4.2  
RSEM/1.3.3  
SAS/9.4  
SPAdes/4.0.0  
alphafold2/2.3.2  
amber/24  
anaconda3/2023.09  
arriba/2.4.0  
awscli/2.17.42  
azcopy/10.24.0  
bamaddrg/1.0.0  
bamtools/2.5.2  
bcftools/1.19  
bcl2fastq/2.20  
bedtools/2.31.0  
bismark/0.24.2  
blacs/openmpi/gcc/64/1.1patch03  
blas/gcc/64/3.11.0  
blast/2.15.0  
blat/3.5.0

bonnie++/2.00a  
bowtie/1.3.1  
bowtie2/2.5.3  
brandon/1.0.0  
bs/1.5.4  
bustools/0.43.2  
bwa/0.7.17  
cellranger-arc/2.0.2  
cellranger-atac/1.2.0  
cellranger-atac/2.1.0 (D)  
cellranger/7.1.0  
charm++/7.0.0  
cm-pmix3/3.1.7  
cm-pmix4/4.1.3  
controlcfreec/11.6.0  
cub-cuda11.8/1.17.2  
cuda11.7/blas/11.7.1  
cuda11.7/fft/11.7.1  
cuda11.7/nsight/11.7.1  
cuda11.7/profiler/11.7.1  
cuda11.7/toolkit/11.7.1  
cuda11.8/blas/11.8.0  
cuda11.8/fft/11.8.0  
cuda11.8/nsight/11.8.0

cuda11.8/profiler/11.8.0  
cuda11.8/toolkit/11.8.0  
cuda12.0/blas/12.0.1  
cuda12.0/fft/12.0.1  
cuda12.0/nsight/12.0.1  
cuda12.0/profiler/12.0.1  
cuda12.0/toolkit/12.0.1  
cuda12.1/blas/12.1.1  
cuda12.1/fft/12.1.1  
cuda12.1/nsight/12.1.1  
cuda12.1/profiler/12.1.1  
cuda12.1/toolkit/12.1.1  
cuda12.2/blas/12.2.2  
cuda12.2/fft/12.2.2  
cuda12.2/toolkit/12.2.2  
cuda12.3/blas/12.3.2  
cuda12.3/fft/12.3.2  
cuda12.3/nsight/12.3.2  
cuda12.3/profiler/12.3.2  
cuda12.3/toolkit/12.3.2  
cudnn8.6-cuda11.8/8.6.0.163  
cudnn8.8-cuda12.0/8.8.1.3  
cudnn8.8-cuda12.1/8.8.1.3  
cudnn8.9-cuda12.0/8.9.7.29

cuda8.9-cuda12.1/8.9.7.29  
cuda8.9-cuda12.2/8.9.7.29  
cuda8.9-cuda12.3/8.9.7.29  
cuda9.1-cuda12.2/9.1.1.17  
cuda9.1-cuda12.3/9.1.1.17  
cutensor-cuda11.8/1.3.1.3  
default-environment  
dorado/0.8.0  
fastqc/0.12.1  
fftw3/openmpi/gcc/64/3.3.10  
gMicroMC/2.0  
gcc11/11.3.0  
gdb/13.1  
globalarrays/openmpi/gcc/64/5.8  
gromacs/2024.4-mpi  
gromacs/2024.4-smp (D)  
hdf5/1.14.0  
hdf5\_18/1.8.21  
hpl/2.3  
htslib/1.19.1  
hwloc/1.11.13  
hwloc2/2.8.0  
imagej/1.54  
intel-one-tbb/2021.12.0

iozone/3.494  
itksnap/3.6.0  
kallisto/0.50.1  
lapack/gcc/64/3.11.0  
mathematica/14.0  
matlab/2023b  
minimap2/2.26.0  
mixcr/4.3.2  
ml-pythondeps-py39-cuda11.8-gcc11/4.12.0  
mpich/ge/gcc/64/4.1.1  
multiqc/1.20  
mvapich2/gcc/64/2.3.7  
namd-multicore/3.0.0-namd-multicore-CUDA  
namd-multicore/3.0.0-namd-multicore (D)  
namd/2.14-CPU  
namd/2.14-GPU (D)  
ncbi-CXXtoolkit/28.0.6  
nccl2-cuda11.8-gcc11/2.16.5  
nccl2-cuda12.0-gcc11/2.18.3  
nccl2-cuda12.1-gcc11/2.18.3  
nccl2-cuda12.2-gcc11/2.22.3  
netcdf/gcc/64/gcc/64/4.9.2  
netperf/2.7.0  
nvhpc-byo-compiler/24.7

nvhpc-hpcx-cuda11/24.7  
nvhpc-hpcx-cuda12/24.7  
nvhpc-hpcx/24.7  
nvhpc-nompi/24.7  
nvhpc-openmpi3/24.7  
nvhpc/24.7  
openblas/dynamic/0.3.18  
openmpi/gcc/64/4.1.5  
openmpi4/gcc/4.1.5  
picard/3.2.0  
pizzly/0.37.3  
plink/1.90  
proot/5.3.1  
protobuf3-gcc11/3.9.2  
pytorch-extra-py39-cuda11.8-gcc11/1.13.0  
pytorch-py311-cuda12.1-gcc11/2.2.0  
pytorch-py39-cuda11.8-gcc11/1.13.0  
quarto/1.6.33  
rclone/1.66.0  
relion/4.0.1  
samtools/1.19.2  
sbgrid/x86\_64\_Linux  
scaLAPACK/2.2.0  
sentieon/202308.02



spaceranger/2.1.1

spaceranger/3.0.1 (D)

sratoolkit/3.0.10

star-Fusion/1.13.0

star/2.7.11b

stata/18

tensorflow/2.17-cuda-1 2.3

tensorflow2-py39-cuda11.8-gcc11/2.11.0

test/1.0.0

ucx/1.10.1

vgtools/1.58.0

vmd/1.9.3

vscode/1.94.2

xeniumranger/1.6.0