

Curnagl - 2022

Following the migration to the CCT datacenter there are a number of things that have changed that you should be aware of:

New login node

When you first connect to `curnagl.dcsr.unil.ch` you will receive a warning that the host key has changed and you will not be allowed to connect.

Please remove the old host key for `curnagl.dcsr.unil.ch` in your `.ssh/known_hosts` (`ssh-keygen -R curnagl.dcsr.unil.ch`) file and reconnect .

The new login node is identical to the compute nodes (it is a compute node) but as previously it should not be used for running calculations.

New software stack

The slightly delayed 2022 DCSR software stack is now in production and includes more recent compilers as well as new versions of packages and libraries.

For more information see <https://wiki.unil.ch/ci/books/high-performance-computing-hpc/page/dcsr-software-stack>

The old software stack remains available although no new packages will be added to it.

To switch between software stacks there is the new `dcsrsoft` tool:

```
# Show which stack is being used
```

```
[ulambda@curnagl ~]$ dcsrsoft show  
Running with Prod
```

```
# Switch to the 2021 stack
```

```
[ulambda@curnagl ~]$ dcsrsoft use old
```

Switching to the old software stack

```
# Switch to the unsupported Vital-IT software stack
```

```
[ulambda@curnagl ~]$ dcsrsoft use vitalit
```

Switching to the distant past

```
# Switch back to the 2022 stack
```

```
[ulambda@curnagl ~]$ dcsrsoft use prod
```

Switching to the prod software stack

The `dcsrsoft` command is a bash function and it should be executed on the fronted node. In order to use an old stack on a job, you need to execute the commands above before launching your job using `sbatch`.

More disk space

Soon the available disk space will be doubled with 2PB available for `/work`

More nodes

Once the migration is complete there will be an additional 24 compute nodes bringing the total to 96 machines of which 12 have 1TB of memory and 8 have A100 GPUs.

Révision #4

Créé 18 août 2022 12:38:18 par Ewan Roche

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