

## General information

We have 8 KNLs in the SDV right now.

kn104 is currently not available. So users can only use 7 KNLs.

## Node allocation

Nodes can be allocated through the PBS based batch system that is also used for the DEEP Cluster and Booster. You can start an interactive session on our KNLs like this:

```
qsub -l nodes=2:ppn=256:kn1,walltime=00:10:00 -I    (this will randomly choose 2 of our 8 KNLs)
qsub -l nodes=kn10X:ppn=256:kn1,walltime=00:10:00 -I (you can also choose a specific KNL (01-03,05-08) like this)
```

When using a batch script, you have to adapt the -l option within your script.

## Compiling

Use the -xMIC-AVX512 flag instead of -mmic.

## Using MPI over EXTOLL

```
set PSP_RENDEZVOUS_VELO = <max. message size>
```