

Partitions and Accounting

This page explains the partitions available to users and the accounting for each partition. This page assumes knowledge on partition usage and how to submit a job using SLURM. Please refer to the [HPC user guide](#) for a general introduction to these topics.

partitions

Compute nodes are grouped into partitions in order to allow the user to select different hardware to run their software on. Each partition includes a subset of nodes with a different type of hardware and a specific maximum wall time.

The partitions can be selected by users via the SLURM option:

```
#SBATCH --partition=<partition name>
```

or its short form:

```
#SBATCH -p <partition name>
```

The partitions available on Grid.UP are summarised in the table below. For details of the different hardware available on each node, please look at the [Grid.UP hardware page](#).

Partition name	Node type	Smallest possible allocation	Max wall time	Notes
batch	thin compute nodes	1 cores + 500 MB memory	5 days	default partition for small jobs
big	> 16 cores	16 cores + 16 GB memory	7 days	only for jobs with > 16 cores or GPU
ceft	restricted	1 core + 1 GB memory	28 days	exclusive for ceft registered users
lsrelcm	restricted	1 core + 1 GB memory	28 days	exclusive for lsre/lcm registered users

accounting

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