How to launch a batch job

Batch jobs are the most common jobs. Usually, these jobs run applications for long periods without user interaction, so they run autonomously once the resources are available.

The instructions are detailed below.

Via shell script

1. Write down your shell script for submitting your job. You can use your favourite terminal editor, for example *VIM_ext-link* or *GNU nano_ext-link*:

   ```
   vim submit.slm
   ```

   The submit script has the following structure:

   - SHEBANG (*#!/bin/bash*)
   - *#SBATCH* directives for SLURM.
   - Load the required modules (*module load <module>*).
   - Execute the program (*srun <program>*).

     > ⓘ If you have problems creating your script, you can use the **Job Script Generator [old]** or one of the many examples for the different **applications**.

2. Finally, submit the script to the batch system using the *sbatch* command:

   ```
   sbatch submit.slm
   ```

Related articles

- *Machine specifications*
- *Installed software*
- *Job Script Generator*
- *How are jobs charged?*
- *How to request GPUs*