

Supplying options to your sbatch job

- You can supply SLURM directives to sbatch in 4 ways:
- Order of precedence:

- On the command line

```
$ sbatch --mail-type=FAIL,END --mail-user=john@jhu.edu script2
```

Email notification is a great option for a **handful** of long running jobs. This is a **horrible** option for 1000s of jobs, and has caused users to have their email accounts suspended.

- Environment variables (Advanced topic. See Addendum page)

- Embedding them in your batch job script

Lines which start with “#SBATCH” are interpreted as options to **sbatch**.

Such lines must:

- start at the very beginning of a line
- come after the interpreter line `#!/bin/bash`
- before any commands

```
$ less script3.annotated # this file contains many examples!!
```



Supplying options to your sbatch job (cont'd)

I believe that this is last in order of precedence:

4. In your ~/.slurm/defaults file

Syntax is: [`<command>:`][`<cluster>:`] `<option> = <value>`

Where [] indicates an optional argument

Command can be one of (at least): `srun`, `sbatch`, `salloc`

(But perhaps other commands also refer to the file.)

You need to specify an asterisk in between colons

We have not tested blank or commented lines.

Example contents:

```
mem=2GB
mail-user=franksmith@jh.edu
srun:*:partition=debug
sbatch:*:mail-type=FAIL,END
```

