

# Handling of software environments with module comand

## Listing of software environments

### How can I list all available software environments?

`module avail` or `module av`

### How can I list my software environments?

`module list` or `module li`

### How can I list a specific software environments?

`module avail matlab` or `module av matlab`

`module avail intel` or `module av intel`

### How can I get deeper information of a specific software environment?

`module whatis matlab/v2021b`

`module show intel/v2019`

`module display comsol/v60`

## Load/Unload of software environments

### How can I set (load) a specific software environments?

`module load matlab/v2020b`

`module load intel/v2020`

Hint: Please check with `module av matlab` for an existing environment!

### How can I unset (unload) a specific software environments?

`module unload matlab/v2020b`

`module unload intel/v2020`

Hint: Please check with `module av matlab` for an existing environment!

### How can I unload all (!) software environments in the current terminal

`module purge`

### It is recommended to load only the necessary software environments in an interactive terminal and in a batch job:

`module purge; module load ansys/v2022r1`

`module purge; module load comsol/v60 matlab/v2020b`

### How can I get more help to the module command?

`module help`

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