

## Exercise Introduction

In this exercise, you will learn how to use Spack to install vim, a popular text editor, with a series of specific constraints, and how to define package installation specifications. Understanding how to manipulate these specifications is vital for installing some softwares on your own on the cluster. The exercise will progress from validating available compilers to formulating a precise package spec and finally to installing the software.

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### Task Description

1. Check the current version of vim on the SCC.
2. Give a spec for the vim installation with constraints as:
  - version: 9.0
  - compiler: the latest gcc on the SCC
  - no support for python
  - dependency: ncurses 6.3
3. Proceed with the installation of vim following the created spec.
4. Perform the necessary steps to load the installed vim version 9.0.

### Hints

- For checking software versions, terminal commands often have a `version` flag.
- Check the slides lecture on specs