

The Alire Package Manager - Exercises

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Visit the following repository to get the materials:

- `https://github.com/mosteo/2022-AEiC-alire-tutorial`

Installation

- From binaries
 - <https://github.com/alire-project/alire/releases>
 - Scroll down to **Assets** section and expand
 - Grab latest stable release (1.2) for your platform
 - For Windows, the installer is recommended
 - **Ubuntu** recommended for minimal friction

Useful to experiment with the latest features in the master branch

1. `git clone --recurse-submodules
https://github.com/alire-project/alire.git`
2. `cd alire`
3. On macOS only:
 - `export OS=macOS`
4. `gprbuild -j0 -P alr_env`
5. Executable generated at `bin/alr`
6. Run e.g. `alr version`

alr version output

```
$ alr version  
APPLICATION  
alr version: 1.2.0  
libalire version: 1.2.0  
compilation date: 2022-06-03 17:32:24  
compiler version: Community 2021 (20210519-103)  
  
CONFIGURATION  
config folder: /home/jano/.config/alire  
...
```

Testing the (ecosystem) waters

Retrieve and run a release

Look up by name

Look up by tag/other

Starting crates

Starting from scratch

Starting from preexisting code

Working with dependencies

Adding a dependency via alr

Changes caused by adding a dependency

Adding a dependency manually

Publishing

Publishing a git commit

Publishing a tarball