

# List outdated packages using poetry

Tom Rochette <tom.rochette@coreteks.org>

December 21, 2025 — [77e1b28a](#)

## 1 Problem

I use poetry as my python package manager and I'd like to know the packages that I depend on that are currently outdated.

## 2 Solution

An easy way to get this list is to run `poetry show --outdated`. This will return you a list of all the packages that are outdated, their current version, the latest version, as well as a description of the package.

There are in my opinion three missing features here:

- having the command respect the semantic versioning constraint and only letting you see the latest version according to those constraints
- having a flag to switch between showing the latest version available without semantic versioning constraint vs the latest version constrained by semantic versioning
- having a flag to list only the packages that are direct dependencies (listed in the `pyproject.toml` file)

## 3 References

- [Poetry show command](#)