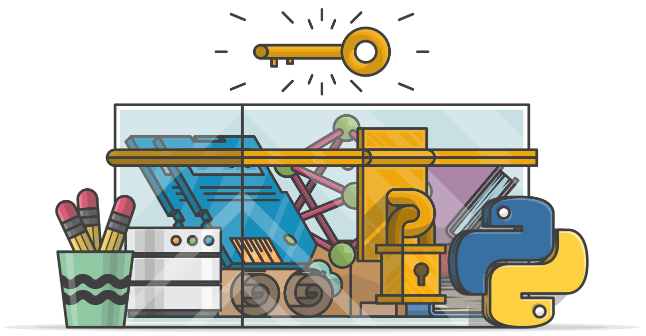

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Course Contents

Overview

60%

Using Requirement Files

A Beginner's Guide to pip

Austin Cepalia 04:04

Mark as Completed Supporting Material

Contents Transcript Discussion (1)

A **requirements file** is a list of all of a project's dependencies. This includes the dependencies needed by the dependencies. It also contains the specific version of each dependency, specified with a double equals sign (`==`).

`pip freeze` will list the current projects dependencies to `stdout`.

This shell command will export this as a file named `requirements.txt`:

Shell
```
$ pip freeze > requirements.txt
```

Once you've got your requirements file, you can head over to a different computer or new virtual environment and run the following:

Shell
```
$ pip install -r requirements.txt
```

That's assuming you are working in the directory containing `requirements.txt`. This tells `pip` to install the specific versions of all the dependencies listed.

By modifying the requirements file to use `>=` instead of `==`, you can tell `pip` to install the latest stable version of the dependency, with the version specified acting as a minimum. This line would tell `pip` to install the latest version of `requests`, but never version 2.23.0: `requests>=2.22.0, != 2.23.0`.

To upgrade your installed packages, run the following:

Shell
```
$ pip install --upgrade -r requirements.txt
```