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# **pipx-in-pipx**

***Release 1.0.1***

**Oct 27, 2019**



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pipx is great for keeping your CLI tools isolated and your system Python paths clean. However, it still requires that you install *pipx itself* in your system Python.

But pipx is a CLI tool installed through pip... why not install pipx with pipx? Why not indeed!

With pipx-in-pipx, all you need to do is install :

```
$ pip install pipx-in-pipx
```

But wait! You say. Didn't you just say that we shouldn't install things to system Python?

Yes. What pipx-in-pipx actually does is slightly (but only slightly) evil. Rather than actually installing anything when you run "install", pipx-in-pipx instead builds a temporary virtual environment, installs pipx there, and then uses *that* pipx to install pipx in your user local space, just like any other pipx-installed tool.

What you end up with is a pipx installation that is *itself* managed by pipx.



### 1.1 Which Python?

By default, `pipx` uses its own Python for each environment that it creates. Normally, this would be the system Python, whatever it was when you installed `pipx`. However, when you are using a `pipx-in-pipx`-installed `pipx`, the default Python that `pipx` uses for each environment it creates is instead whatever Python you used to “install” `pipx-in-pipx`.

This has two notable side effects:

1. If you uninstall your `pipx`-managed `pipx`, then all of the tools that you installed using that `pipx` will stop working because their Pythons suddenly point to nothing.
2. If you want to change the Python used by all of your `pipx`-managed tools, you only need to reinstall one of them (`pipx`) rather than reinstalling all of them.

### 1.2 Uninstalling

`pipx` has a handy feature to uninstall *all* `pipx`-managed tools. Because you have now made `pipx` manage itself, running `pipx uninstall-all` *will also* uninstall `pipx`.

This is not a bug, but a feature. By installing `pipx` using `pipx-in-pipx`, you have expressed an intent that you *want* `pipx` to manage itself. If that’s not what you want, this is not the tool for you.

If you at any point uninstall your `pipx`-managed `pipx`, you can simply `pip install pipx-in-pipx` again to rebuild it.

#### 1.2.1 Versioning

`pipx` releases follow [Semantic Versioning](#).

## 1.2.2 Changelog

### 1.0.1 – 2019-10-27

#### Administrivia

- Rename project from `pipipxx` to `pix-in-pipx`.

#### Bugfixes

- Fix Windows compatibility. #13<https://github.com/mattsb42/pipx-in-pipx/pull/13>

#### Maintenance

- Add Windows CI. #17<https://github.com/mattsb42/pipx-in-pipx/pull/17>

### 1.0.0 – 2019-05-26

Now that I have CI set up for this on at least one platform, I am comfortable saying that it is ready for use.

### 0.0.1b1 – 2019-05-22

#### Bugfixes

- Some installs in Linux were failing due to unable to find src files. All logic now in `setup.py`.
- Removed unnecessary `userpath verify` step that was causing errors. #4<https://github.com/mattsb42/pipx-in-pipx/issues/4>
- Removed hard requirement for Python 3.6+. Leave that for `pipx` to worry about.

### 0.0.1b0 – 2019-05-11

Initial MVP.