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uv

Using uv with dependency bots

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## # Dependency bots

It is considered best practice to regularly update dependencies, to avoid being exposed to vulnerabilities, limit incompatibilities between dependencies, and avoid complex upgrades when upgrading from a too old version. A variety of tools can help staying up-to-date by creating automated pull requests. Several of them support uv, or have work underway to support it.

## ## Renovate

uv is supported by [Renovate](https://github.com/renovatebot/renovate).

## Note

Updating `uv pip compile` outputs such as `requirements.txt` is not yet supported. Progress can be tracked at [renovatebot/renovate#30909](https://github.com/renovatebot/renovate/issues/30909).

## ### `uv.lock` output

Renovate uses the presence of a `uv.lock` file to determine that uv is used for managing dependencies, and will suggest upgrades to [project dependencies](../../concepts/projects/dependencies/#project-dependencies), [optional dependencies](../../concepts/projects/dependencies/#optional-dependencies) and [development dependencies](../../concepts/projects/dependencies/#development-dependencies). Renovate will update both the `pyproject.toml` and `uv.lock` files.

The lockfile can also be refreshed on a regular basis (for instance to update transitive dependencies) by enabling the [lockFileMaintenance](https://docs.renovatebot.com/configuration-options/#lockfilemaintenance) option:

renovate.json5

```
{  
  $schema: "https://docs.renovatebot.com/renovate-schema.json",  
  lockFileMaintenance: {  
    enabled: true,  
  },  
}
```

### ### Inline script metadata

Renovate supports updating dependencies defined using [script inline metadata](../scripts/#declaring-script-dependencies).

Since it cannot automatically detect which Python files use script inline metadata, their locations need to be explicitly defined using [fileMatch](https://docs.renovatebot.com/configuration-options/#filematch), like so:

renovate.json5

```
{  
  $schema: "https://docs.renovatebot.com/renovate-schema.json",  
  pep723: {  
    fileMatch: [  

```

```
"scripts/generate_docs\\.py",  
"scripts/run_server\\.py",  
],  
},  
}
```

## Dependabot

Support for uv is not yet available. Progress can be tracked at  
[dependabot/dependabot-core#10478](https://github.com/dependabot/dependabot-  
core/issues/10478).

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