

uv (Ultra-Fast Python Package Manager) Cheatsheet

Installation & Setup

```
pip install uv

uv venv .venv          # Create a virtual environment

uv --help              # Show uv command options
```

Managing Dependencies

```
uv pip install <package>          # Install a package

uv pip install <package> --upgrade # Upgrade a package

uv pip uninstall <package>        # Uninstall a package

uv pip freeze                     # List installed packages

uv pip list                       # List installed packages with details

uv pip check                      # Check for broken dependencies
```

Lockfiles & Pinning Versions

```
uv pip compile                # Generate a requirements.txt from
pyproject.toml

uv pip sync                   # Install packages from a requirements.txt
file
```

Running Code in Environment

```
uv pip run python script.py    # Run a script inside uv-managed
environment

uv pip run pytest              # Run pytest
```

Updating Project

```
uv pip upgrade                 # Upgrade all dependencies

uv pip upgrade <package>      # Upgrade a specific package
```

Miscellaneous

```
uv cache list                  # List cached packages
```

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```
uv cache clean                # Clean the uv cache
uv venv upgrade                # Upgrade the uv virtual environment
python version
```