

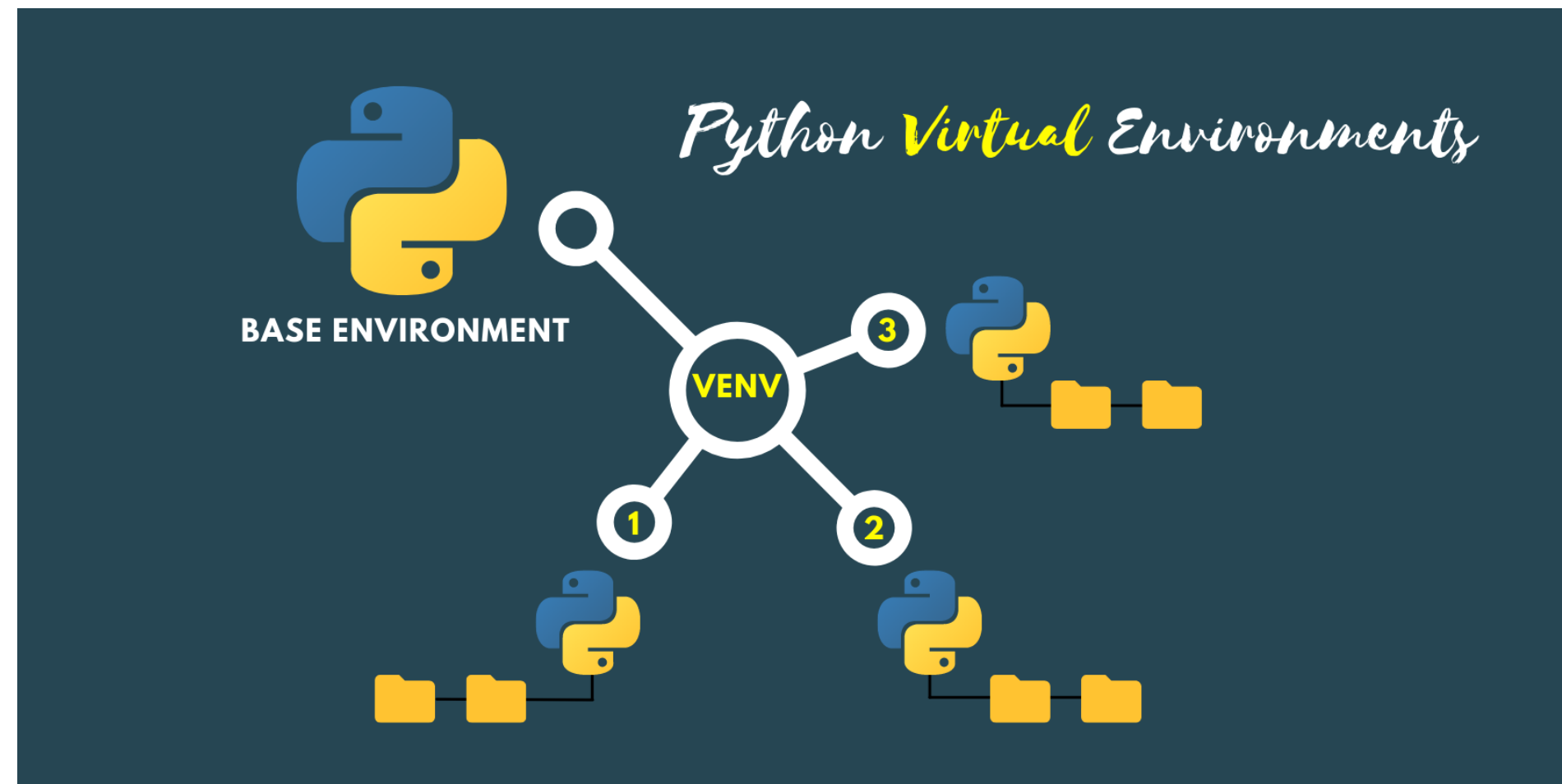
Rodrigo Ugarte Kunisky

Conda Environments

What are they for?



Why do we need Python Environments?



Different Projects

- Different Python Versions
- Different Modules



Dependency Hell problem

Conda Environments

- Package & Environment Manager
- Install not only Python libraries
- Keeps your base system clear
- Cross-Platform

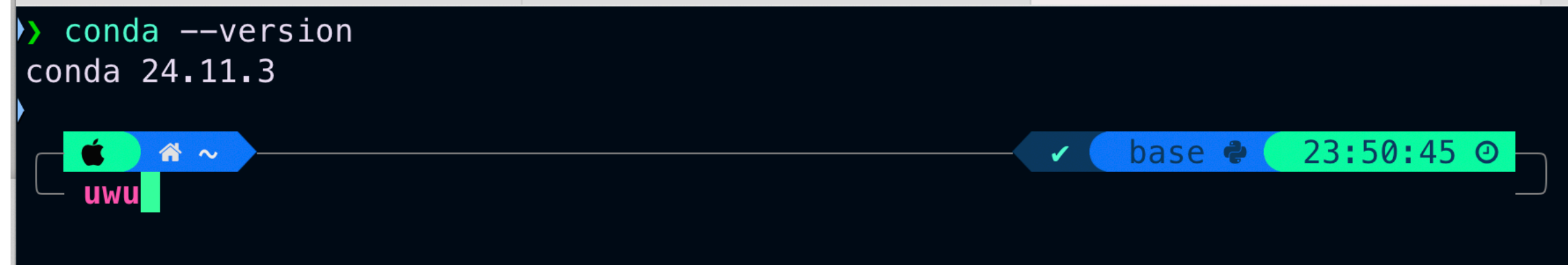


How to install Conda (Miniconda)

Linux/Mac/Windows terminal installer

- <https://www.anaconda.com/docs/getting-started/miniconda/install#linux-terminal-installer>
- Extra setup:
 - `conda config --add channels conda-forge`
 - `conda config --set channel_priority strict`

```
> conda --version
conda 24.11.3
```



1. Download the latest version of Miniconda by opening a terminal and running one of the following commands (depending on your Linux architecture):

[Linux x86](#) [AWS Graviton2/ARM64](#) [IBMZ/LinuxOne/s390x](#)

```
wget https://repo.anaconda.com/miniconda/Miniconda3-late
```

▸ To download a different version

2. (Optional) Anaconda recommends verifying the integrity of the installer after downloading it.

▸ How do I verify my installer's integrity?

3. Install Miniconda by running one of the following commands (depending on your Linux architecture):

[Linux x86](#) [AWS Graviton2/ARM64](#) [IBMZ/LinuxOne/s390x](#)

```
bash ~/Miniconda3-latest-Linux-x86_64.sh
```

How to use Conda

- Conda create -n env_name python=version [different modules]
- Conda activate env_name
- Conda deactivate -> base
- Conda install package_name=version
- Conda env remove -n env_name

Bonus: Miniforge & Mamba

- Open Source
- Community Development
- More up-to-date
- Built in C++ (Faster!)
- <https://github.com/conda-forge/miniforge>

With mamba you get: mamba, conda & pip!



Unix-like platforms (macOS, Linux, & WSL)

From a terminal window, download the installer appropriate for your computer's architecture using curl or wget or your favorite program.

For example:

```
curl -L -O "https://github.com/conda-forge/miniforge/releases/latest/download/Miniforge3-$(uname) 
```

or

```
wget "https://github.com/conda-forge/miniforge/releases/latest/download/Miniforge3-$(uname)-$( 
```

bash file.sh

Questions?

