

Topics



Package Manager Environments DEMO

Package Managers



- 1. What is a Package?
 - Some code providing any kind of functionality
 - Reusablity



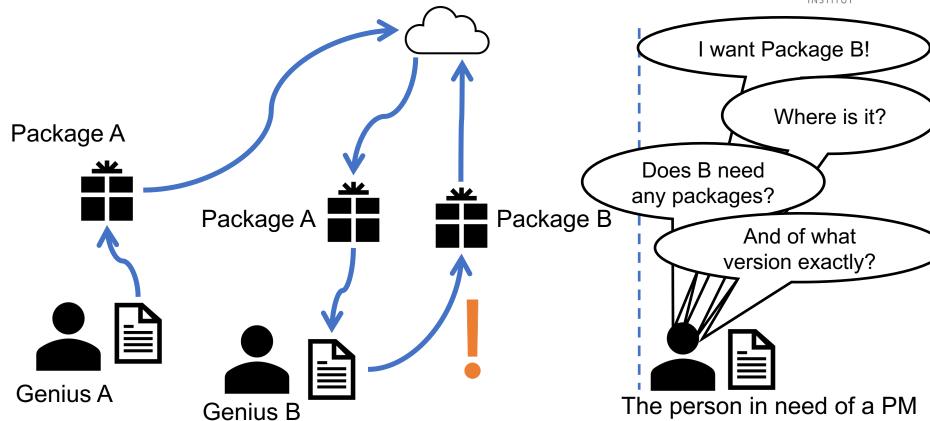
2. Why do Packages need managing?



many others...

Package Manager Example





Package Managers



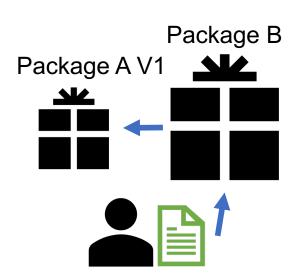
- 1. What is a Package?
 - Some code providing any kind of functionality
 - Reusablity

- 2. Why do Packages need managing?
 - Downloading packages
 - Taking care of dependencies
 - Making sure downloaded code is not corrupted
 - Environments ...

(Virtual) Environments

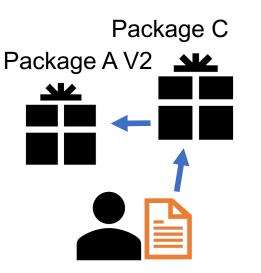


ENVIRONMENT GREEN



The person in need of a PM

ENVIRONMENT ORANGE



The person in need of a PM and environments







DEMO

Commands for environment setup



Function	Anaconda (Windows)	Pip / venv (Linux/Mac)
Show existing Environments	conda env list	venv stores environment in the folder where you create it. venv does not know about all environments on your machine
Create Environment	conda create –n <i>myEnvName</i>	python3 -m venv <i>myEnvName</i>
Enter Environment	conda activate myEnvName	source myEnvName/bin/activate
List Packages of Environment	conda list (while environment activated)	pip list
Install Package	conda install packageName	pip install packageName
Exit Environment	conda deactivate	deactivate

Summary – Steps to reproduce



Before you start a new project or download a new tool complete these three using the commands from the previous slide:

- 1. Create environment
- 2. Enter environment
- 3. Install packages your tool needs (info provided on github page)