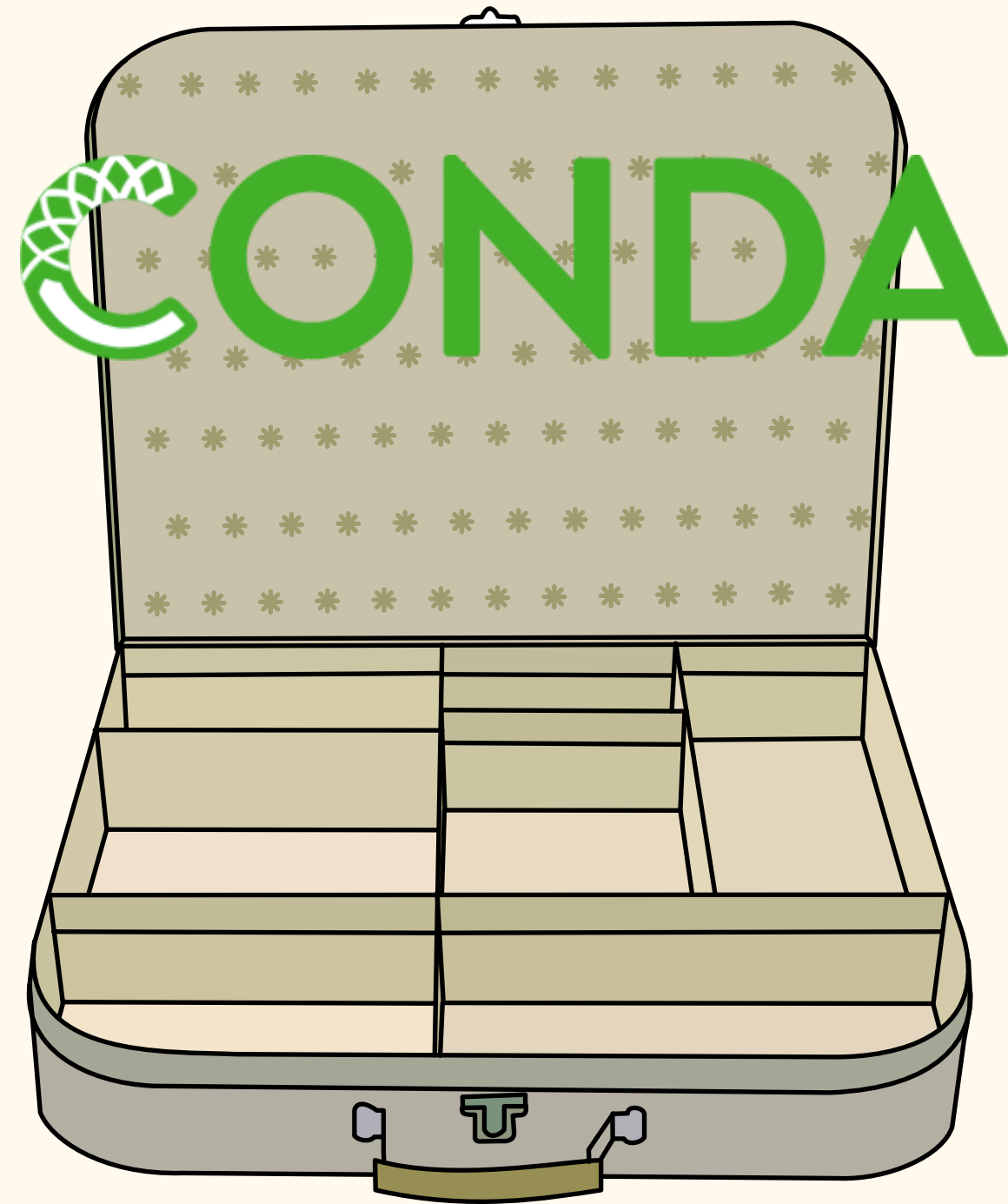


# CONDA VIRTUAL ENVIRONMENT : INTRO & PRACTICE

[HTTPS://GITHUB.COM/INSIGHTBUILDER](https://github.com/insightbuilder)



## USING CONDA VIRTUAL ENVIRONMENT

# **A BRIEF**

- **IS PART OF ANACONDA, CAN BE INSTALLED USING MINICONDA**
- **USED WIDELY IN DATA SCIENCE CIRCLES**
- **CONTROLS PYTHON VERSION FOR EACH ENVIRONMENT**
- **MANAGES VERSION & DEPENDENCY CONFLICTS**
- **CAN USE PIP ALSO TO MANAGE PACKAGES**

## **SOME CHALLENGES:**

- **EACH V-ENV USE ADDITIONAL DISK SPACE**
- **NOT ALL PYTHON PACKAGES ARE AVAILABLE**
- **LIBRARY FILE SIZES CAN BE LARGER THAN OTHER PACKAGE MANAGERS**
- **CLEANING UP THE ENVIRONMENT CAN BE A CHALLENGE**
- **HAS STEEPER LEARNING CURVE**

# INSTALLATION TO EXECUTION

## INSTALL STANDALONE CONDA USING THE MINI-CONDA INSTALLER

- [HTTPS://DOCS.CONDA.IO/EN/LATEST/MINICONDA.HTML#WINDOWS-INSTALLERS](https://docs.conda.io/en/latest/miniconda.html#windows-installers)
- [HTTPS://DOCS.CONDA.IO/EN/LATEST/MINICONDA.HTML#LINUX-INSTALLERS](https://docs.conda.io/en/latest/miniconda.html#linux-installers)

- 1) SOURCE /HOME/MINICONDA3/ETC/PROFILE.D/CONDA.SH
- 2) CONDA ENV LIST
- 3) CONDA CREATE -N NEW\_ENV (OR) -P /PATH/ENV
- 4) **CONDA ACTIVATE "ENV-NAME" (OR) -P /ENV/PATH**
- 5) CONDA INSTALL PANDAS FASTAPI
- 6) CONDA ENV EXPORT -N NEW\_ENV (OR) -P /PATH/ENV -F  
FILENAME.YML
- 7) CONDA ENV UPDATE -N NEW\_ENV -F FILENAME.YML

- 1) ACTIVATE CONDA
- 2) LIST ENVIRONMENT
- 3) CREATE NEW ENVIRONMENT
- 4) ACTIVATE ENVIRONMENT
- 5) **INSTALL PACKAGES**
- 6) GET INSTALLED PKG LIST
- 7) USE INSTALLED PKG TO UPDT ENV

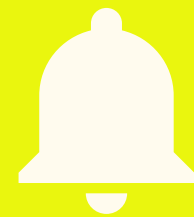
# THANKS FOR WATCHING



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