# Odevs Training

## Lesson 03: Setup Odoo with Docker

# Outline

- What is Docker
- Docker Installation
- Docker Compose Installation
- Docker Launch Script for Odoo
- Create a database in Odoo
- Adding a repository as an Odoo addons folder

# What is Docker

- It is a platform for developing and running applications
- Put simply, it is a platform for running lightweight VM Instances with no UI
- Lightweight because it shares the OS of the host instead of running a completely new OS
- Disk space is also shared between host and container
- The equivalent of a VM Instance is a Docker Container
- Docker Containers are spawned from a Docker Image
- A Docker Image is a ready to launch OS with pre-installed packages

# Docker Installation

Install Docker for Ubuntu

- Reference: https://docs.docker.com/engine/install/ubuntu/

Install Docker for Windows using WSL2

- WSL2: https://learn.microsoft.com/en-us/windows/wsl/install
- Docker: https://docs.docker.com/desktop/wsl/

# Docker Compose Installation

Already installed within Docker Desktop

If not yet already installed:

- https://docs.docker.com/compose/install/

# Docker Launch Script for Odoo

1. Create Docker Workspace
   a. cd ~
   b. mkdir docker && cd docker
2. Clone Odoo Docker Repository
   a. git clone -b 16-local https://github.com/odevsolutions/docker_odoo.git docker_odoo16_trn && rm -rf docker_odoo16_trn/.git
   b. cd docker_odoo16_trn
3. Launch Odoo via Docker
   a. docker-compose up -d
   b. docker restart docker_odoo16_trn_web_1; docker attach docker_odoo16_trn_web_1
4. Delete Docker containers
   a. docker-compose down

Inform instructor if permission denied

Should always be run in the directory that contains docker-compose.yaml

Press Ctrl + P + Q to exit from container without killing Odoo service

If you encounter permission denied error while running docker commands, check this page on how to resolve
https://stackoverflow.com/questions/48957195/how-to-fix-docker-got-permission-denied-issue

# Create a database in Odoo

1. Open a browser
2. Go to localhost:8069
3. Copy the master password provided if any and set it as the admin_passwd in the config file (located in config folder of your Odoo workspace, uncomment admin_passwd if needed)
4. Set desired database name and initial user email and password
5. Click Continue
6. Wait for database to be created (may take around 3-5 mins)
7. Login using the user email and password

# Adding a repository as an Odoo addons folder [1/2]

1. Clone training repository to Odoo workspace
   a. cd ~/docker/docker_odoo16_trn
   b. git clone -b 16.0 https://github.com/odevsolutions/training.git
2. Update docker-compose.yaml to add repo in linked volumes
   a. Add line below under services > web > volumes (including the dash)
      - ./training:/mnt/training
3. Update Odoo config file to add repo as an addons folder
   a. Add string below in addons_path (separate by comma)
      - /mnt/training
4. Restart Odoo docker container
   a. If containers don't exist (because of docker-compose down), create them by
      - docker-compose up -d
   b. Restart and attach to Odoo container
      - docker restart docker_odoo16_trn_web_1; docker attach docker_odoo16_trn_web_1

Check by running 'docker ps'

# Adding a repository as an Odoo addons folder [2/2]

5. Check that modules in training repo are detected by Odoo
    a. Open localhost:8069
    b. Login if not yet logged in
    c. Activate developer mode
    d. Go to Apps menu
    e. Click on Update Apps List in navbar then Click Update
    f. Search for a module from training repo in Apps menu