

# Lab 1.2 — Inventory Bootstrap

- Build inventory from CSV/YAML → JSON
- Validate outputs
- Prep for Day 2 persistence

# Objectives

- Read sample CSV/YAML under `common/inventory/`
- Normalize fields (name, host, os, platform, port)
- Write `common/outputs/devices.json`

# Steps

1. Activate venv
2. Run `python day1_setup/06_inventory_bootstrap.py`
3. Inspect `common/outputs/devices.json`

# Validation

- `python -m json.tool common/outputs/devices.json`
- Ensure  $\geq 2$  devices
- Keys present: name, host, platform

# Stretch

- Add a device row to CSV; re-run
- Change a port for a device; verify update

# What's Next

- Persist to SQLite (Day 2)
- Use inventory across labs