

DevOps Class 3 Out-Line

Meetup 3: Containerization and Orchestration

Tools that are needed for this class:

- Docker Desktop
- VScode
- Python
- Pip Packge
- Flask Library
- Web Application Python

- 0:00 - 0:15: Recap of previous meetup

- 0:15 - 0:45: Introduction to containerization

(Use Docker Preview presentation)

- What are containers?
- Benefits of containerization

- 0:45 - 1:00: Break

- 1:00 - 1:30: What is Docker File

Hands on

- What is Docker file and how the layers work.
- Use web application Python ready file
- Create a docker file for that file
- Show how image contains our code and how we export it to a port 5000
- Show the build command
- Run the container and connect to our web application
- Check the container Logs
- Explain what is docker hub
- Push it with a tag to docker hub