

Docker Compose

Shreyas Dhareshwar

Micro Focus

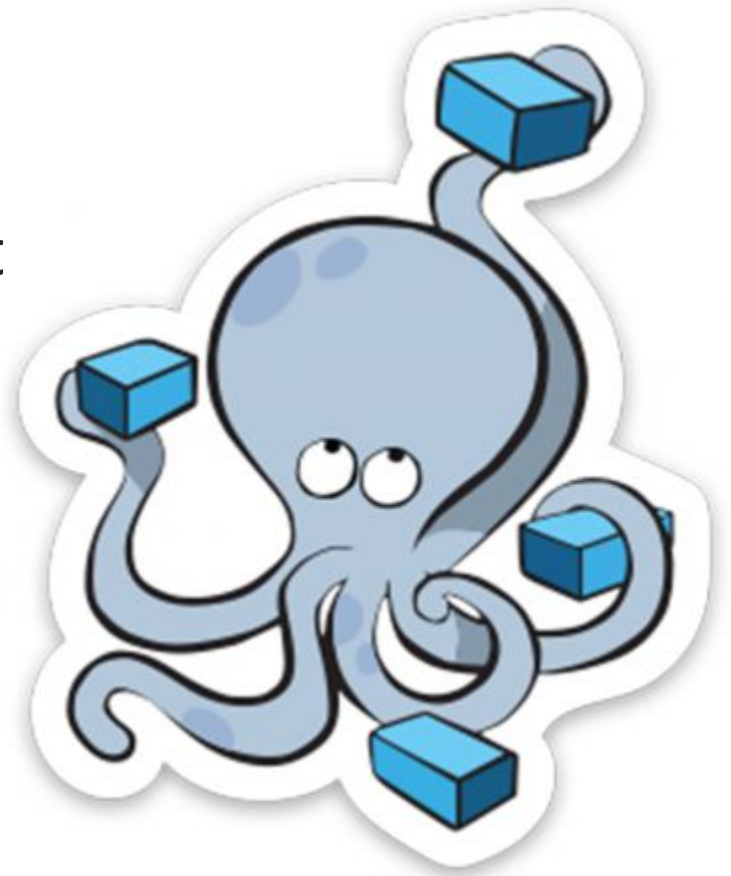
13th October 2018

Agenda

- *What is Docker Compose?*
- *Installing Docker Compose*
- *Building an app with Compose yaml*
- *Managing apps with Docker Compose*
- *Hands-on*

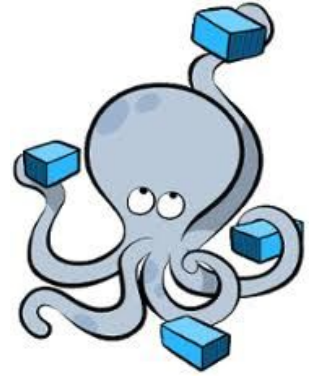
What is Docker Compose?

- Tool for orchestrating multi-container apps
- Use a single command to bring up you deployment
- Uses YAML
- Popular during development and testing



Installing Docker Compose

- Easy - <https://docs.docker.com/compose/install/>



Building an app - requirements

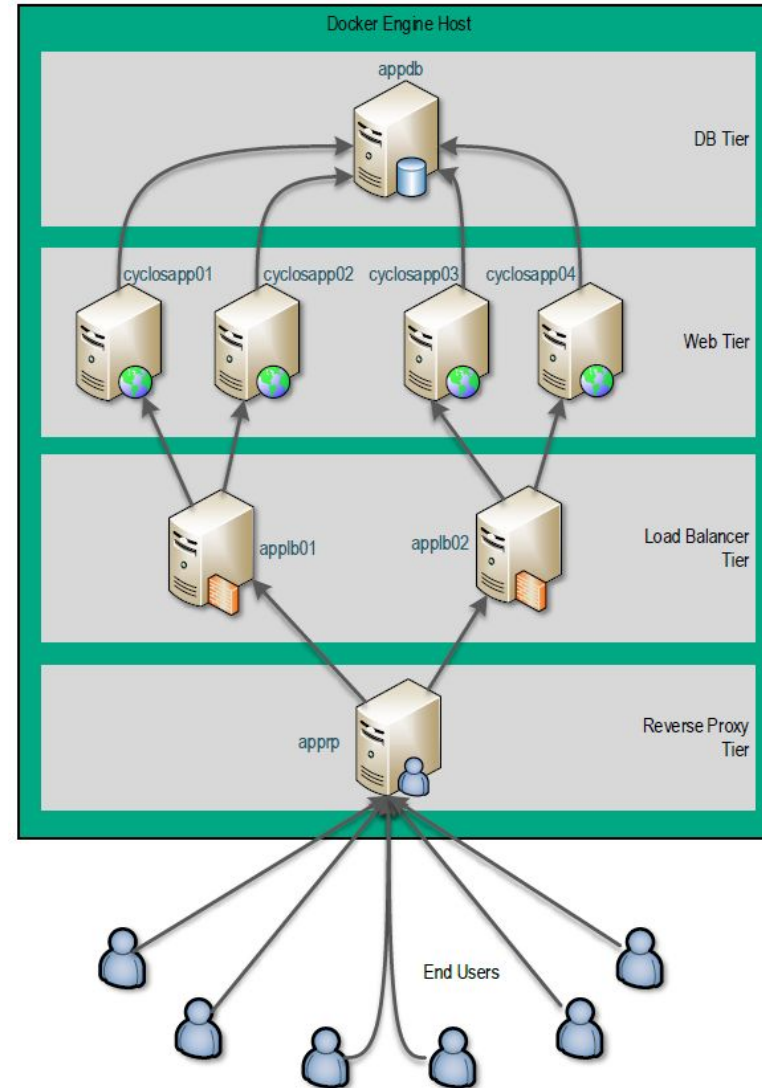
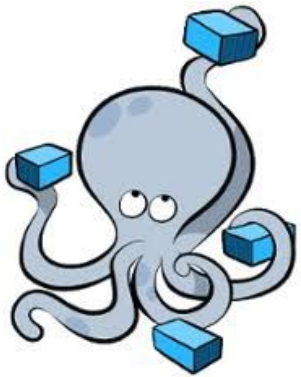
- Images

apprp01: docker.io/httpd:latest

applb*: docker.io/httpd:latest

cyclosapp*: tomcat:7-jre7

appdb: mysql:5.5



Building an app - requirements

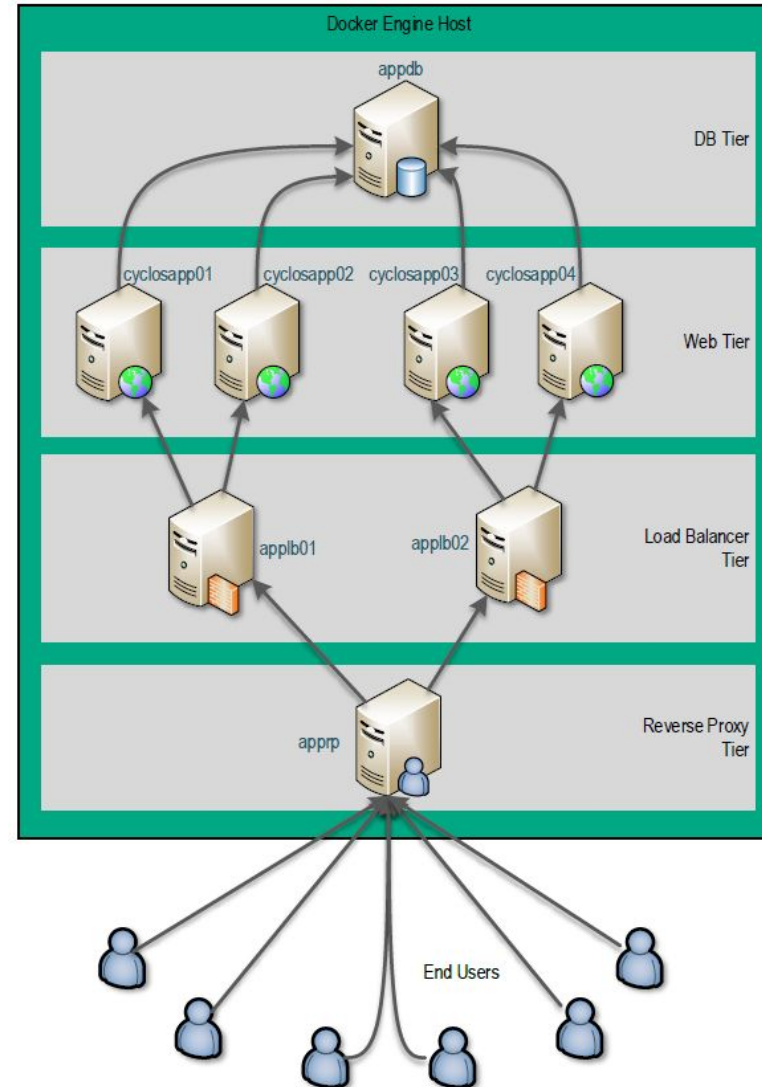
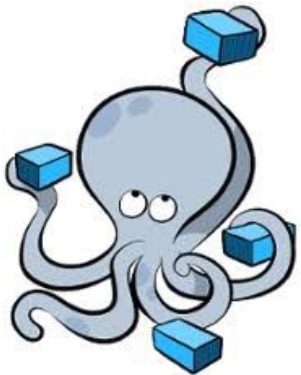
- Network hierarchy

For **apprp01**

links:

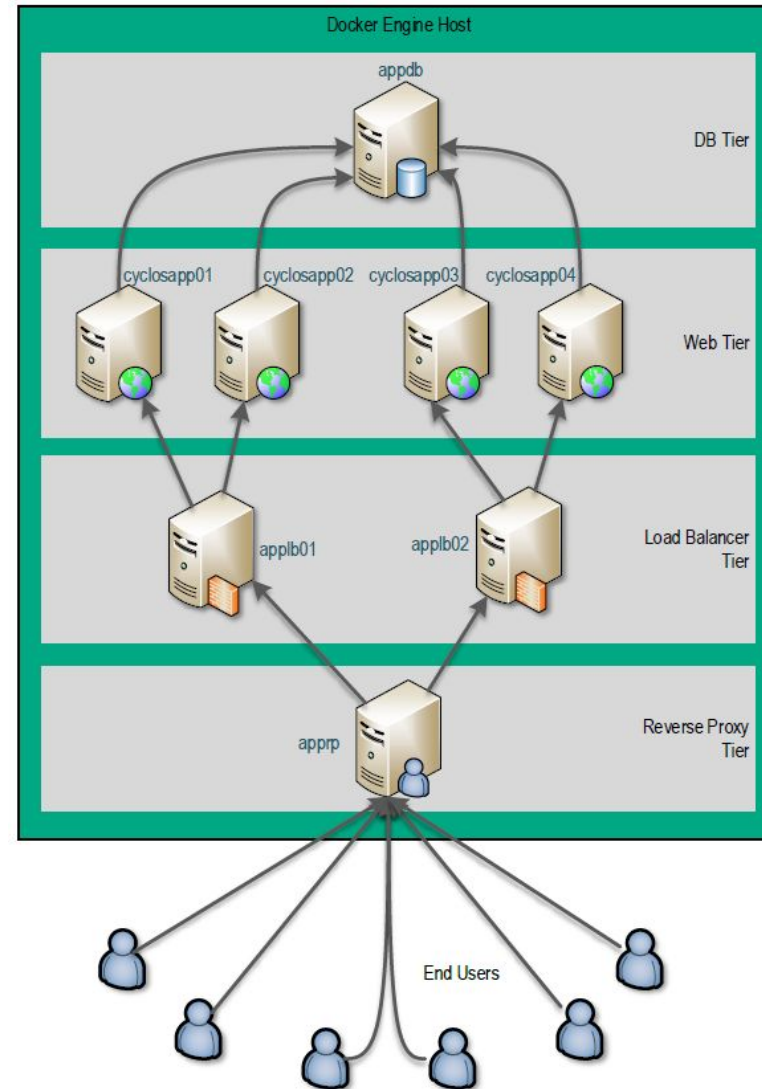
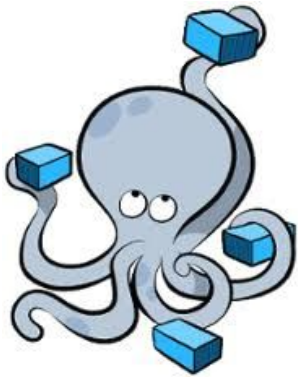
- applb01:applb01
- applb02:applb02

...



Building an app - requirements

- Ports to expose
apprp01: "8080:9090"




Building an app - requirements

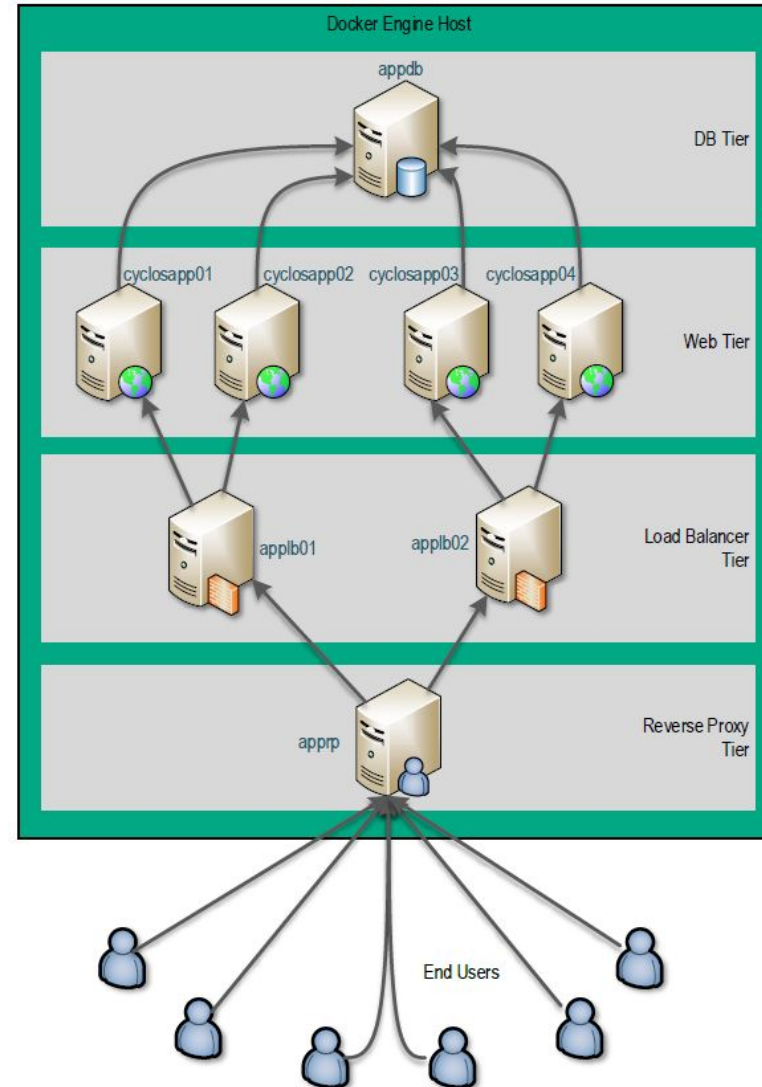
- Storage

apprp01:

volumes:

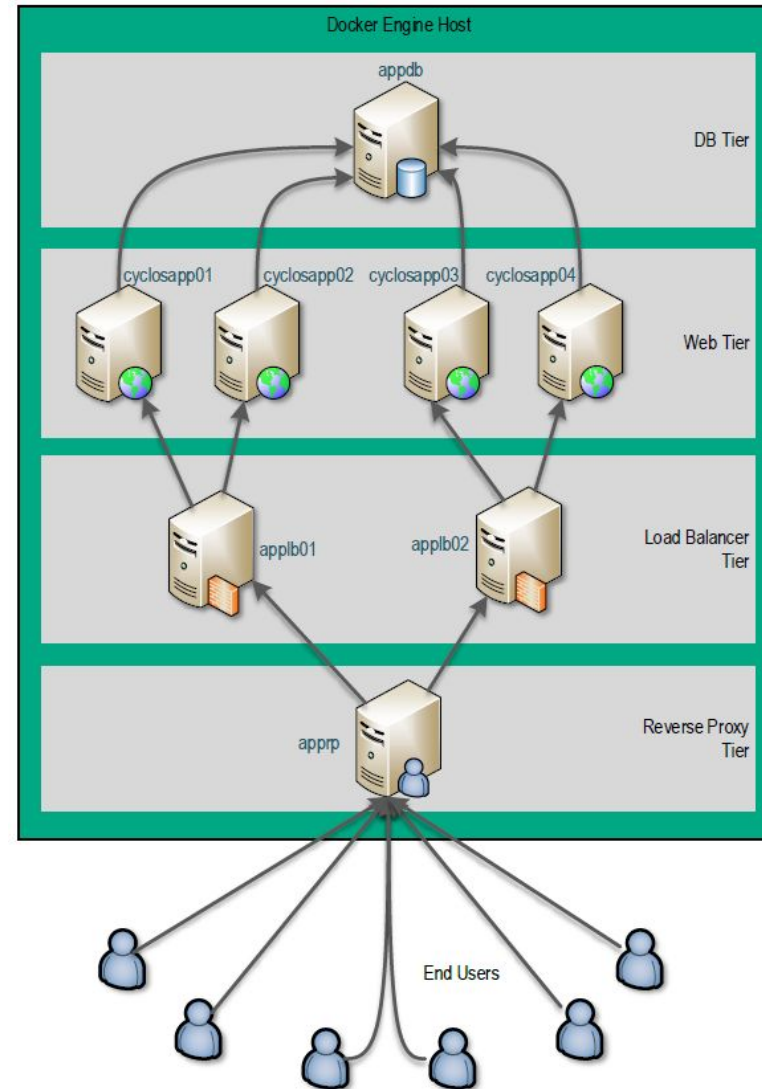
 /var/myapp/apprp01/modified_httpd.conf
f:/usr/local/apache2/conf/httpd.conf

...



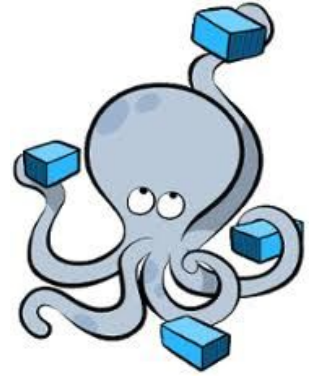
Managing apps with Docker Compose

- Check for bound storage
- Manage app lifecycle:
 - `docker-compose up -d`
 - `docker-compose logs`
 - `docker-compose stop`
 - `docker-compose up`
 - `docker-compose kill`
 - `docker-compose rm`



Reference

- <https://docs.docker.com/compose/>



Thank You.