Docker Compose

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Micro Focus
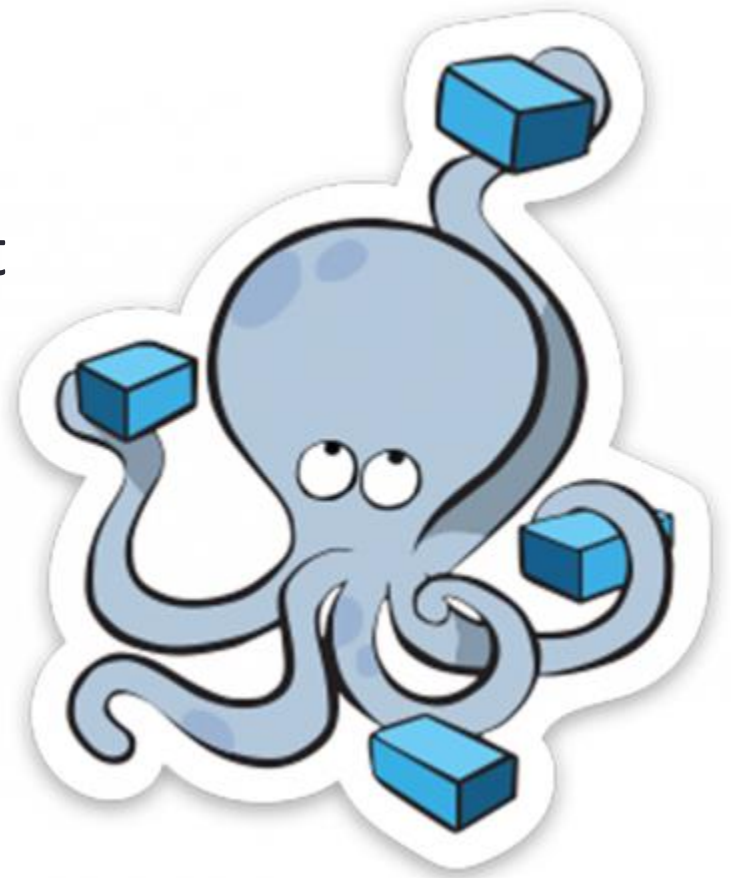13th October 2018

Agenda

- ***What is Docker Compose?***

- ***Installing Docker Compose***

- ***Building an app with Compose yaml***

- ***Managing apps with Docker Compose***
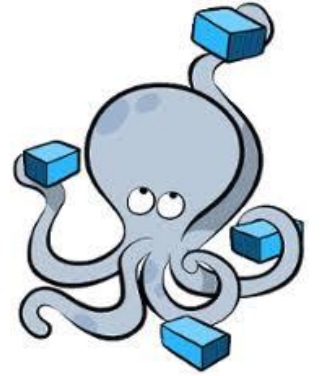
- ***Hands-on***

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
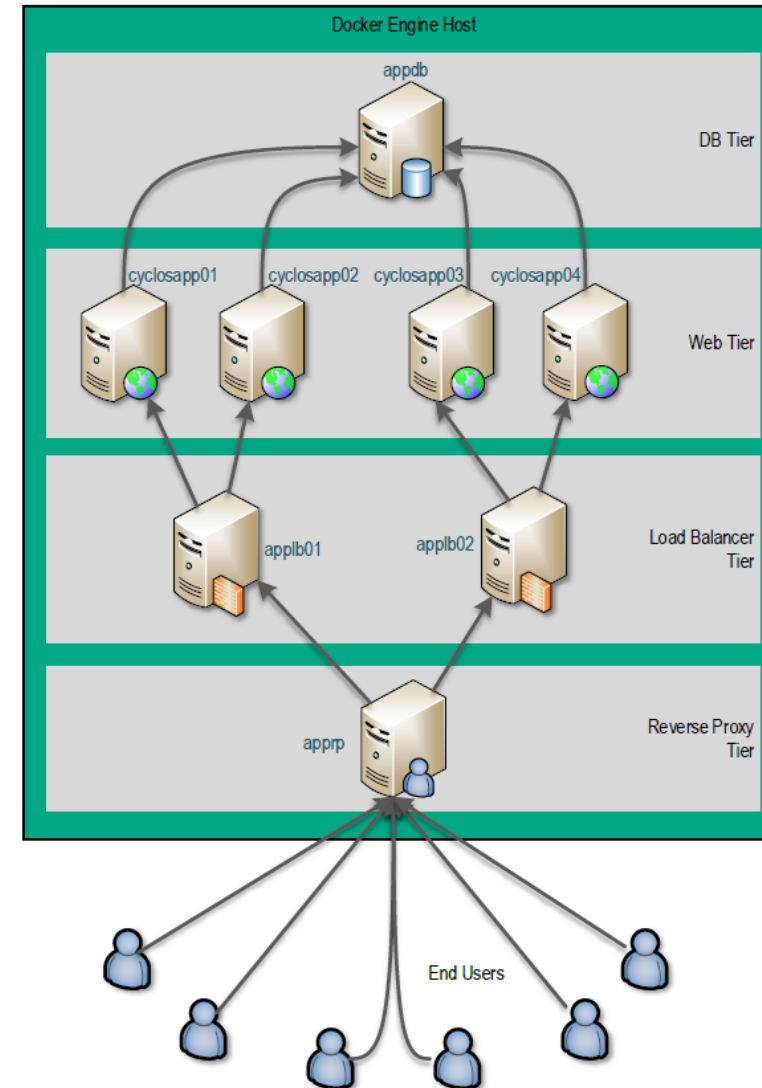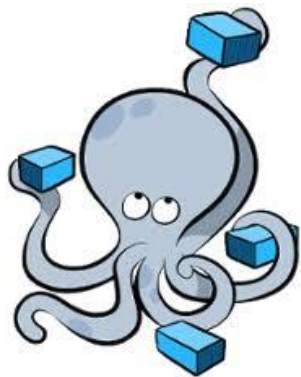
- Images

  apprp01:   docker.io/httpd:latest

  applb*:   docker.io/httpd:latest

  cyclosapp*: tomcat:7-jre7

  appdb: mysql:5.5
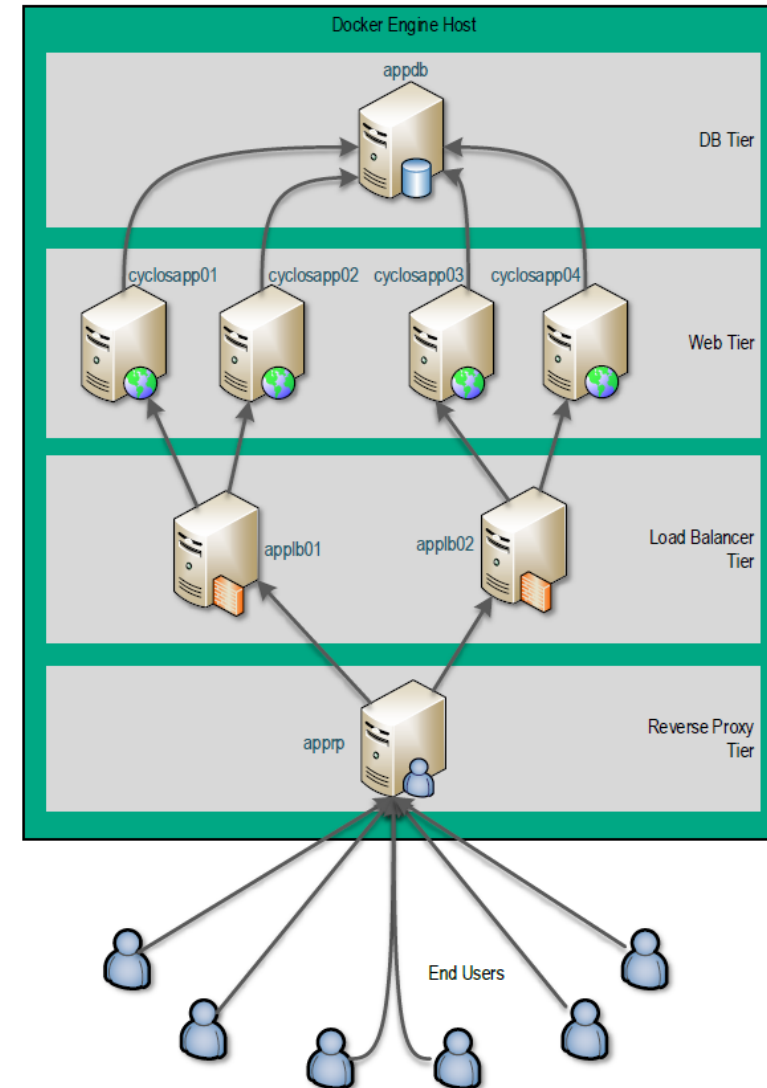
Building an app - requirements

- Network hierarchy

  For **apprp01**

  links:
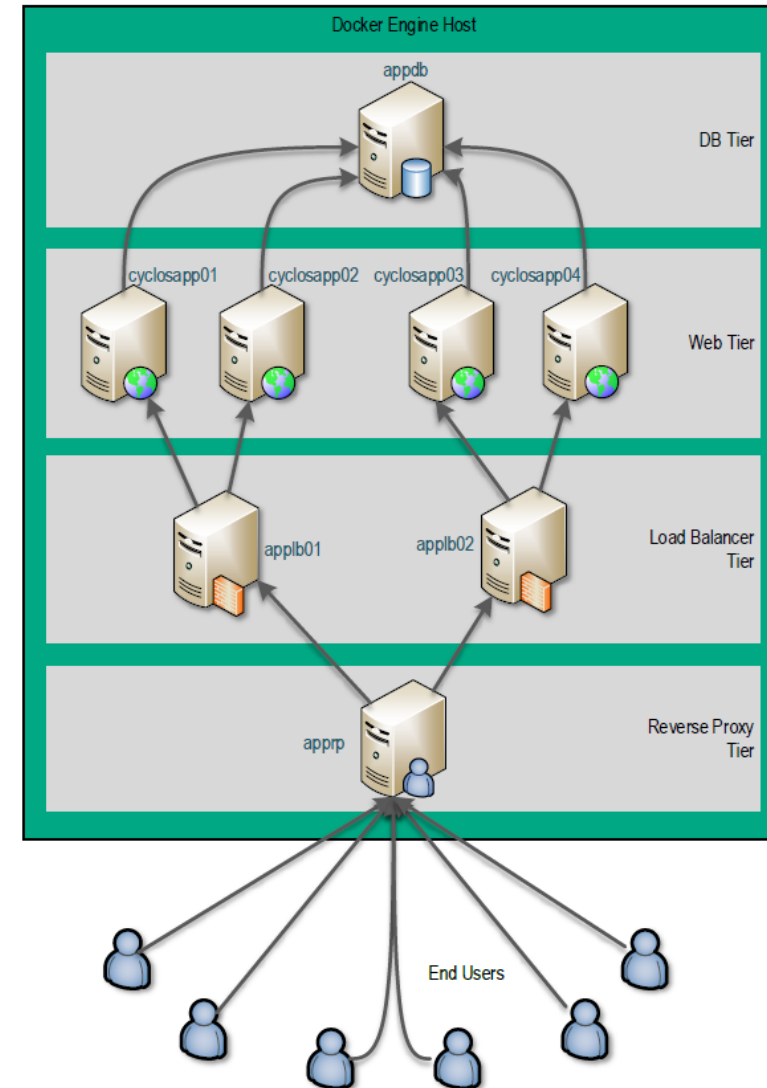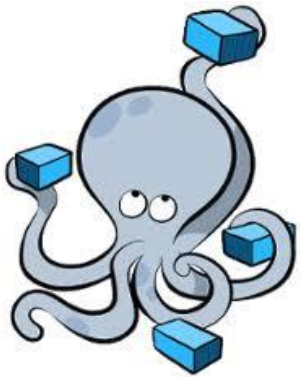
  - applb01:applb01

  - applb02:applb02

  ...

Building an app - requirements

- Ports to expose

  apprp01:   "8080:9090"
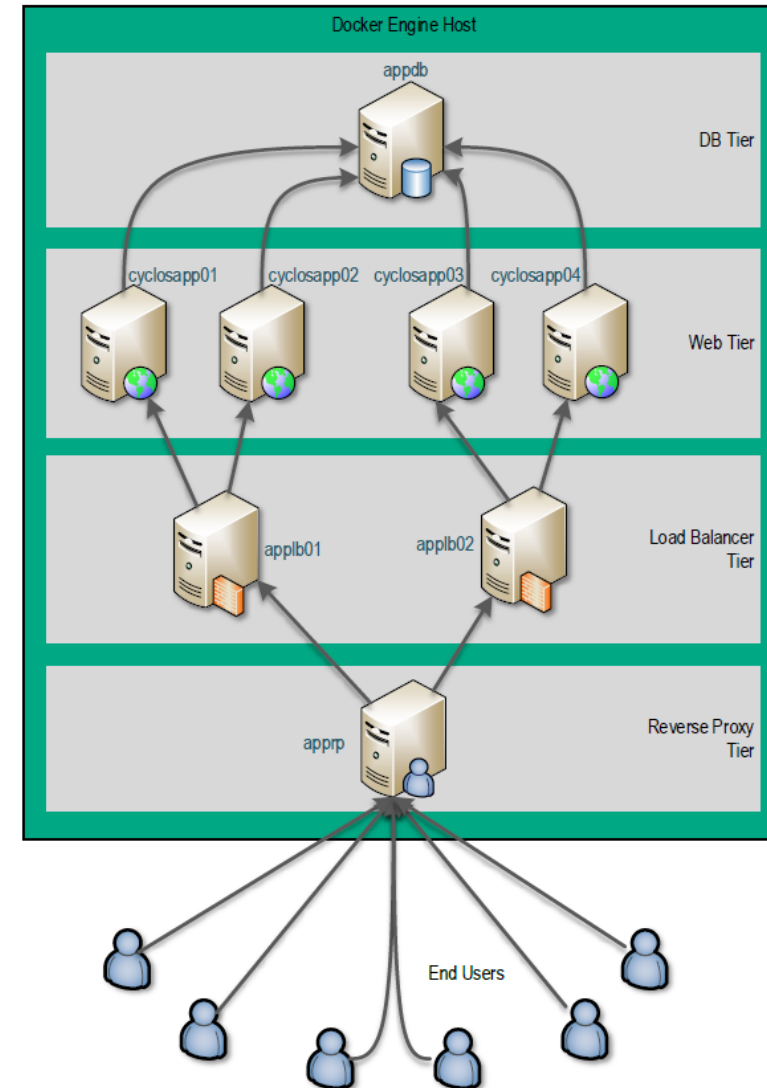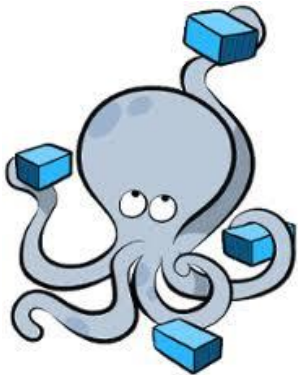
Building an app - requirements
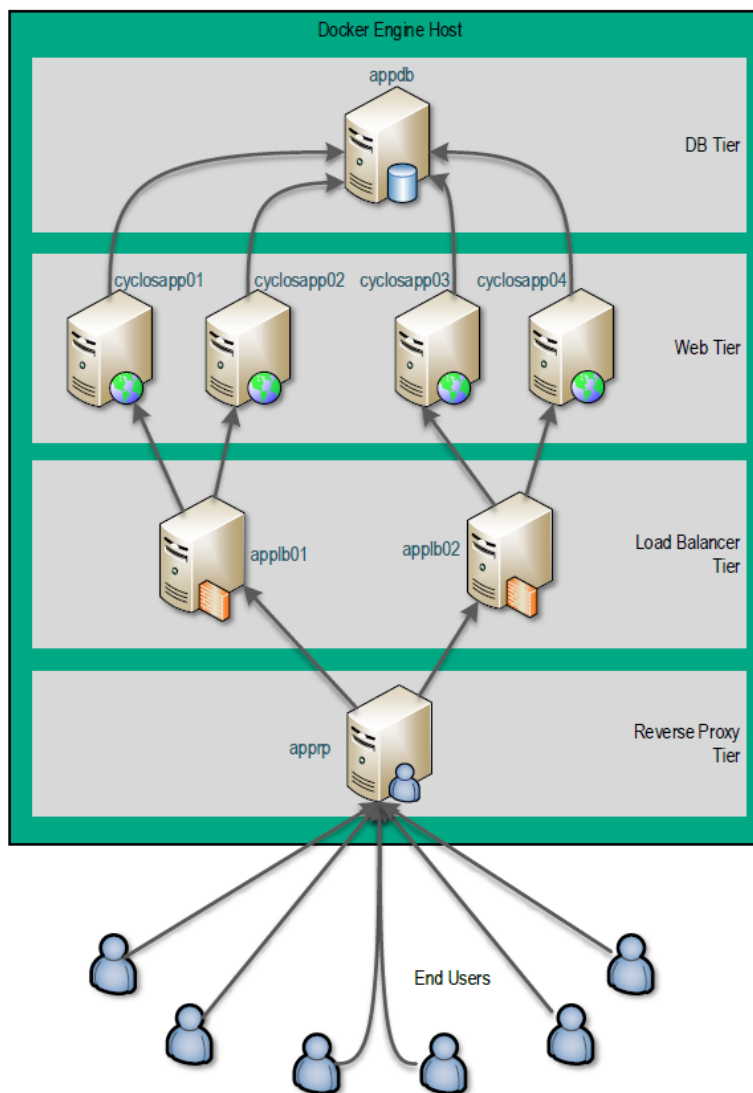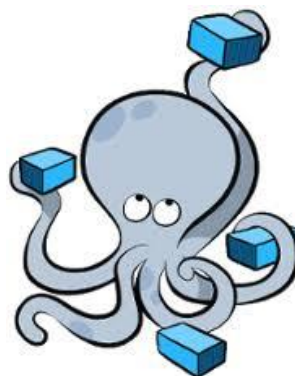
- Storage

  apprp01:

  volumes:

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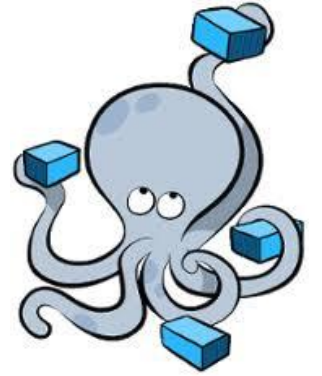   :/usr/local/apache2/conf/httpd.conf

  ...

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.