

# Docker workshop

AmirKabir University of Technology  
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Ahmad Anvari

# Who Am I?



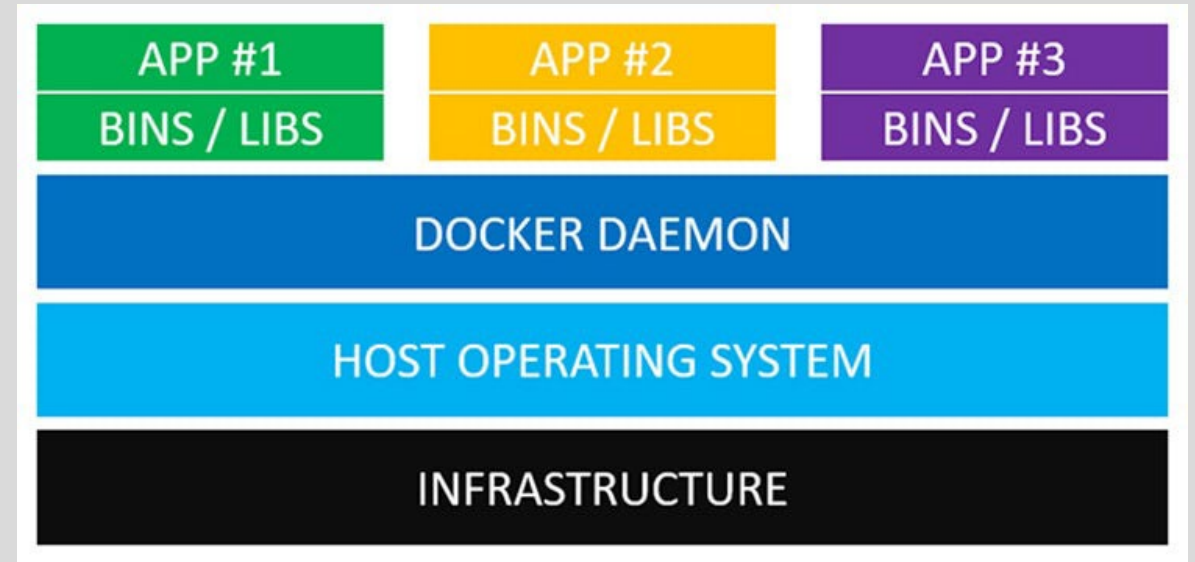
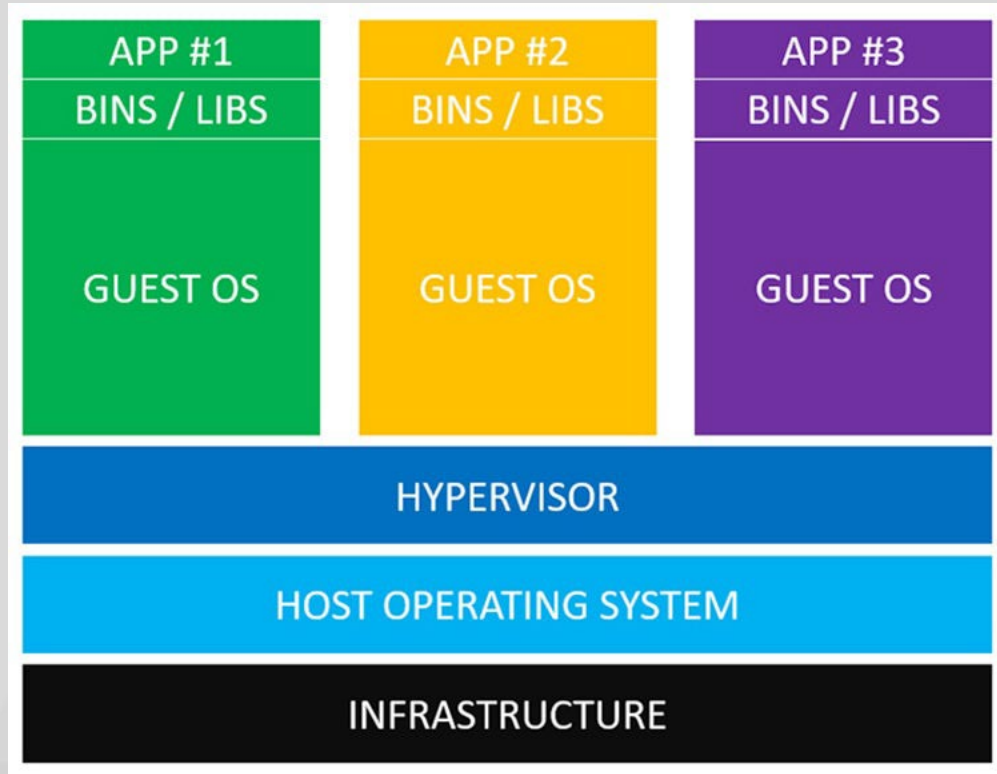
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# Why should I know Docker?

- A must to know technology in the industry
- I'm not an Ops engineer! Why should I learn Docker?
  - Machine-learning engineer
  - Backend web developer
  - Data engineer
  - Frontend web developer
  - Infrastructure engineer
- Development environment vs Staging environment vs Production environment

# What is the need of containers



# Network Drivers

- **Bridge:**
  - Usually used when your applications run in standalone containers that need to communicate
- **Host:**
  - Remove network isolation between the container and the Docker host, and use the host's networking directly
- **Overlay:**
  - Connect multiple Docker daemons together
  - Removes the need to do OS-level routing between these containers
- **IPVlan:**
  - Gives users total control over both IPv4 and IPv6 addressing
- **MacVlan:**
  - Allow you to assign a MAC address to a container, making it appear as a physical device on your network
- **None:**
  - Disable all networking
- **Network Plugins**