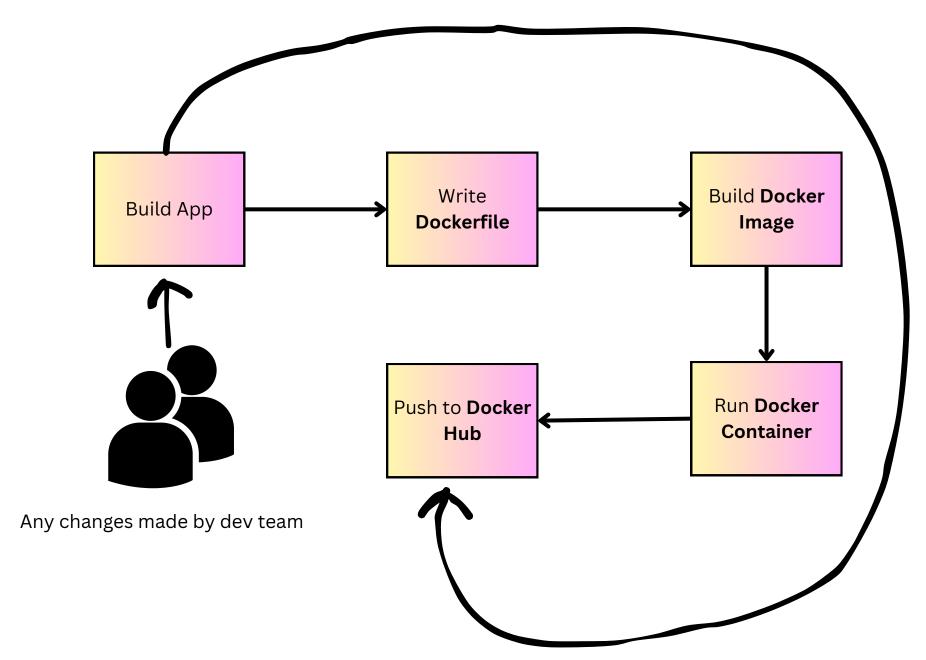
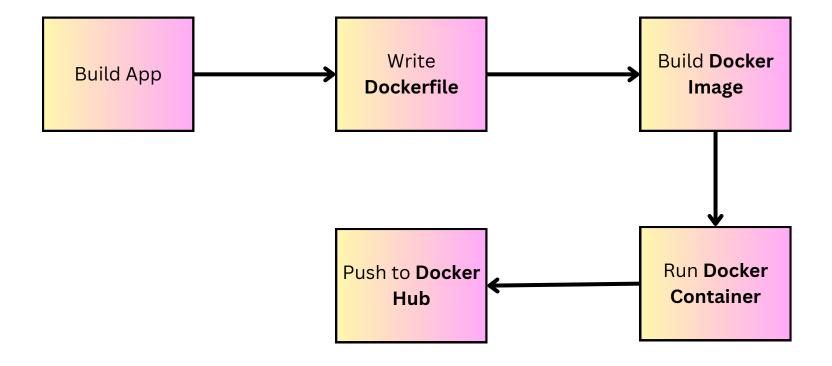
Docker

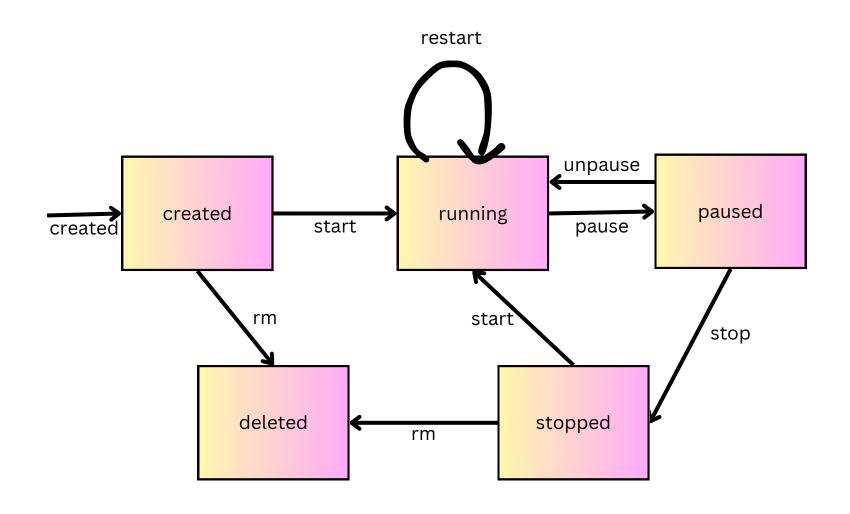
арр	арр	арр	
lib + packages	lib + packages	lib + packages	
Guest OS	Guest OS	Guest OS	
Hyper V			
Host OS			
HW			

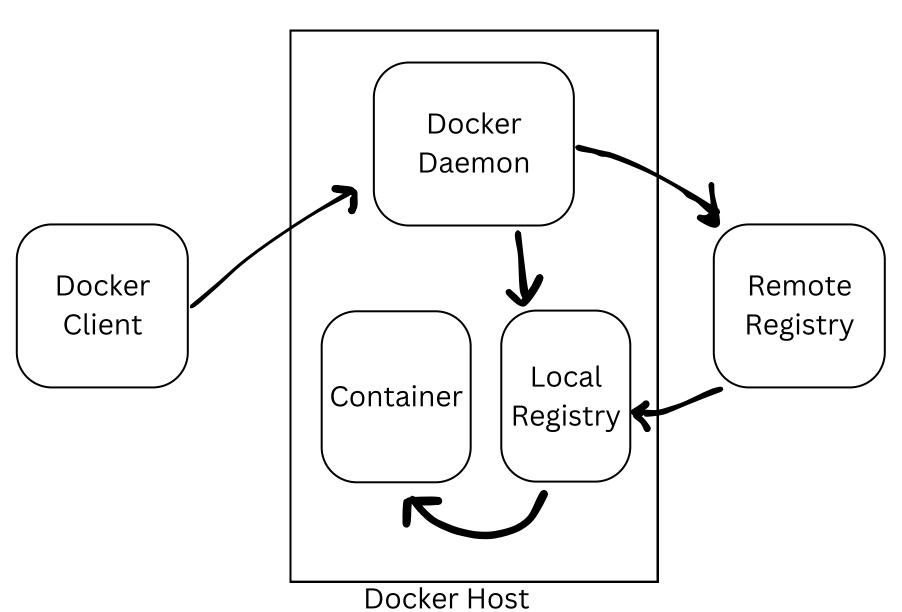
арр	арр	арр	
lib + packages	lib + packages	lib + packages	
арр	арр	арр	
lib + packages	lib + packages	lib + packages	
Docker Engine			
Host OS			
HW			

CICD Pipeline

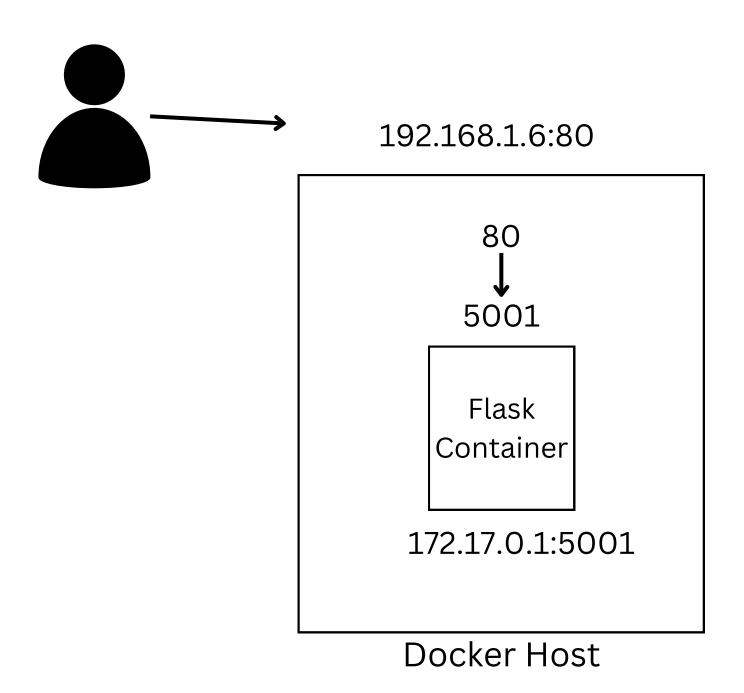








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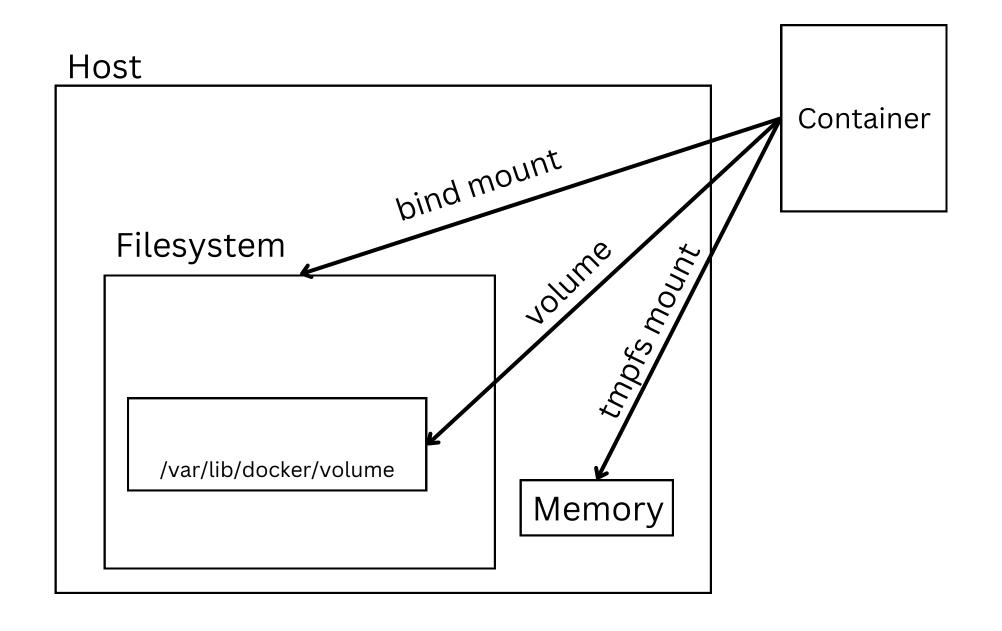
container layer Layer 3 Read only Layer 2 Layer 1 Read only base image bootfs kernel

Read + Write

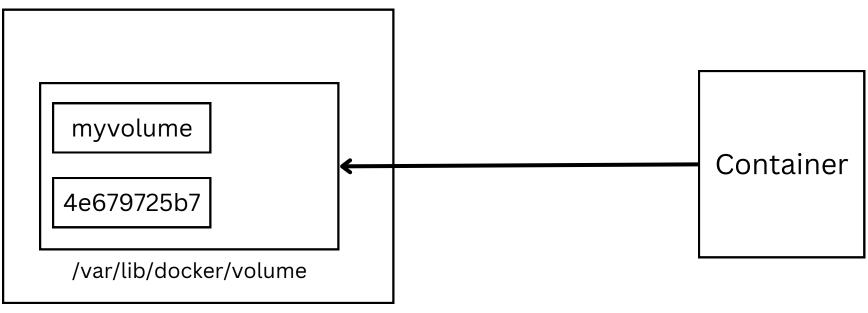
Read only

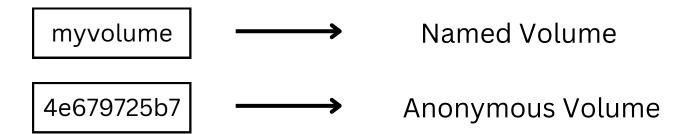
Read only

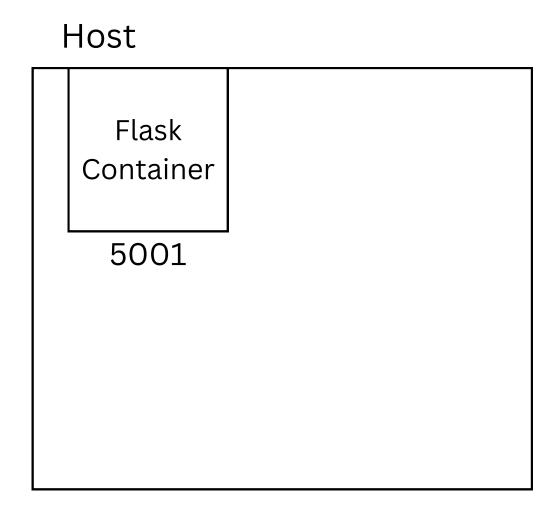
container layer	Read + Write
CMD ["python", "app.py"]	Read only
EXPOSE 5001	Read only
RUN pip install -r req.txt	Read only
COPY req.txt .	Read only
WORKDIR /application	Read only
COPY . /application	Read only
FROM python:alpine3.17	Read only
bootfs	
kernel	

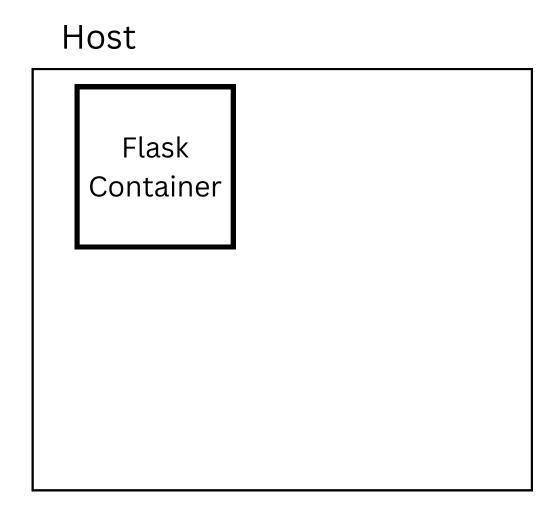


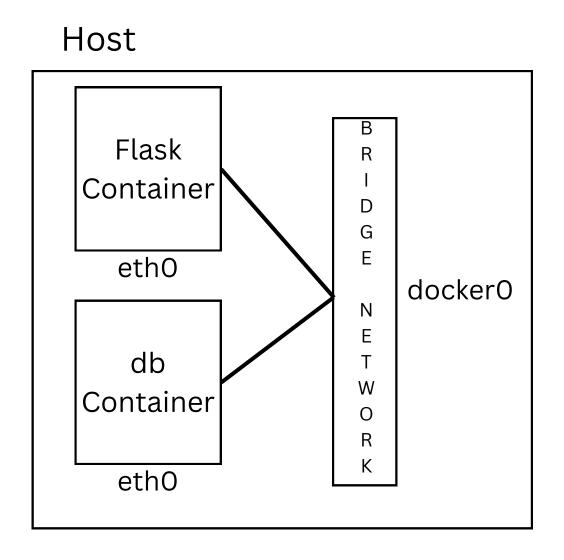
Filesystem

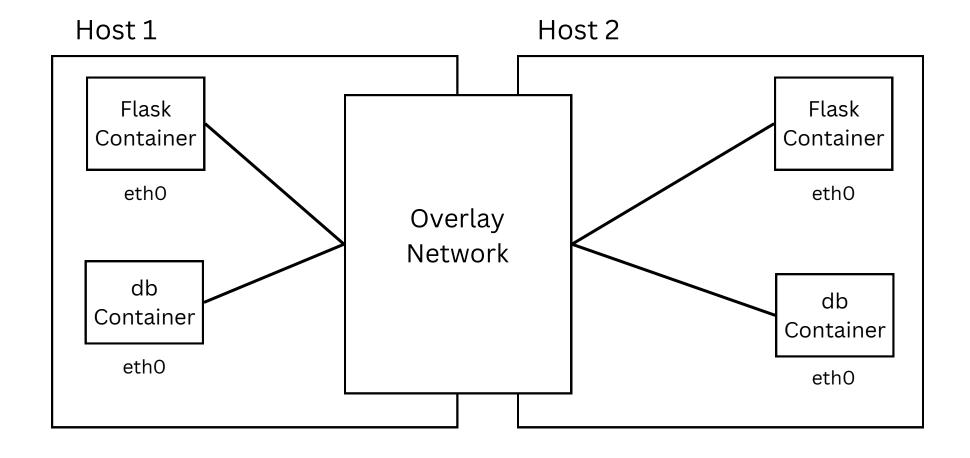




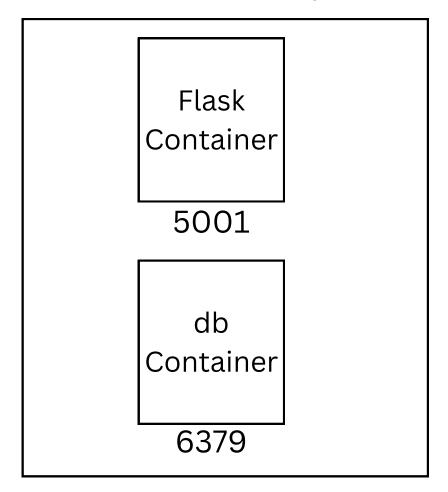








docker-compose.yaml



Host Flask 5001 Container db 6379 Container

Host

