NAVNEET KARNANI



USING DEVCONTAINERS IN VS CODE

BIO

An Full stack veteran, with over 35 years of programming behind him, Navneet is a freelancer, who works with businesses to address their needs for building quality software, designing and fine tuning the architecture of products, and keeping their engineers productivity levels high by helping them make the most of the tools they use, or are evaluating.

You can read more about Navneet's services at https://www.mandraketech.in, and his articles, at https://blog.mandraketech.in



FLOW

- Docker intro
- See Dev Container in action (Demo)
- Getting there (Step by Step)
- Debugging the setup

DOCKER



WORKED ON MY MACHINE, WHEN I TESTED. DON'T KNOW WHY THERE IS A "PROPERTY NOT FOUND"

The "seasoned" Indexniner

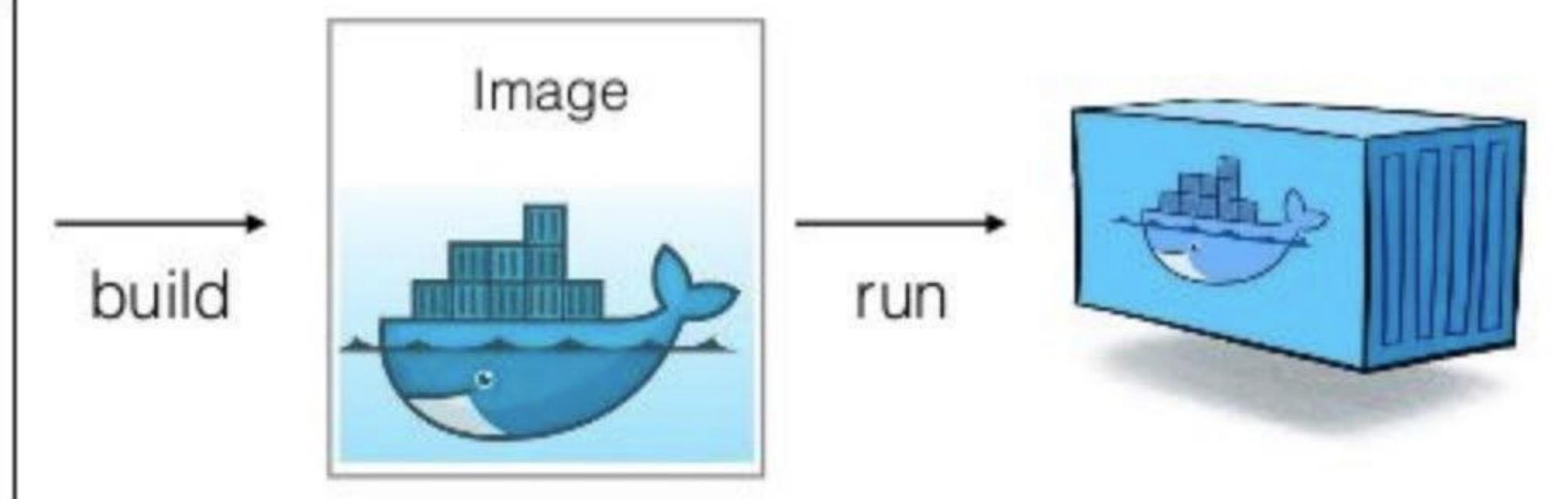
SOMEONE MUST HAVE CHANGED THE LIBRARY VERSION.

The "cutting edge" Indexniner

DID YOU RUN A "rm -f node_modules && npm install"?

The "experienced" Indexniner

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Dockerfile

Docker Image

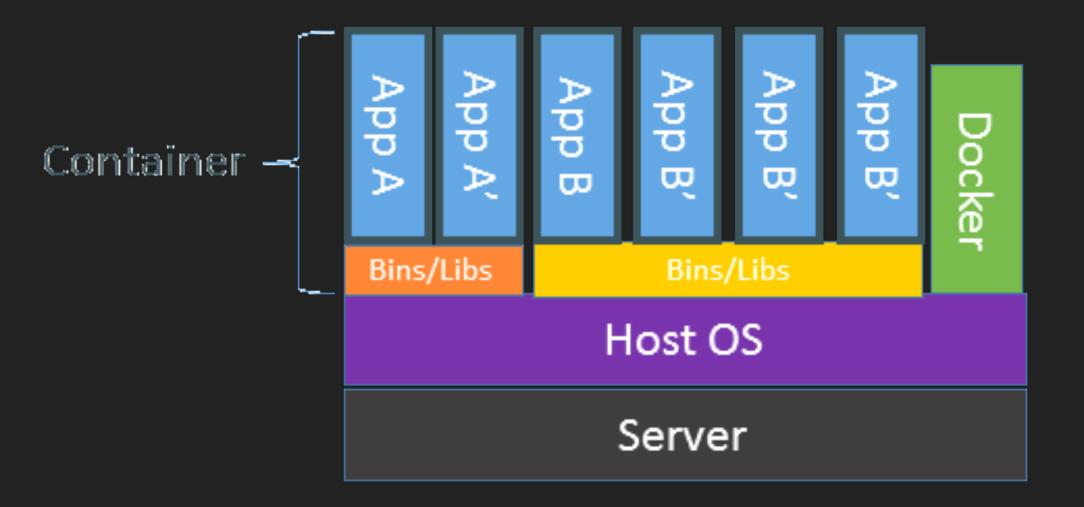
Docker Container

DEPLOYMENT ON DOCKER

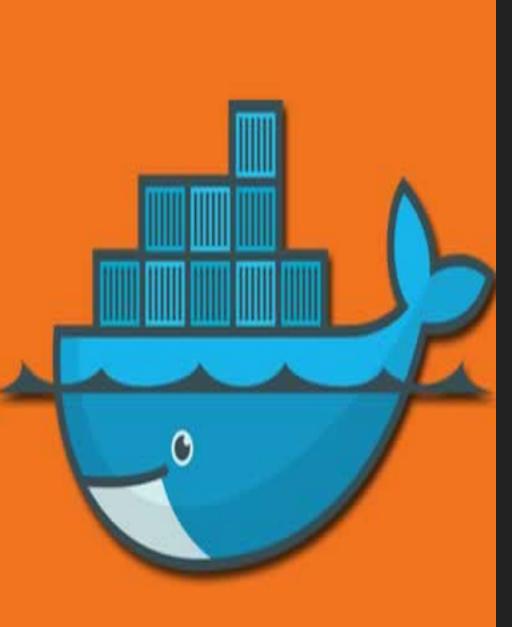
- Packaged to the developers liking
- Validated on the final image by all stakeholders
- Run multiple versions of application/libraries
- Cheap to create a new container instance

Containers are isolated, but share OS and, where appropriate, bins/libraries

...result is significantly faster deployment, much less overhead, easier migration, faster restart







DEMO

DEBUG ON ANY MACHINE

THINGS TO NOTE

- No installation of development tools required
- Consistent environment across developers
- What version of NodeJS was that ?
- Anything else ?

HANDS ON – GETTING THERE

- Generate Express App
- Generate the Docker, and Dev Container code (and update where required)
- Get the code
- Debug it !!
- Add database, external environment variables and connect

HANDS ON - DEBUGGING THE DOCKER SETUP

- Clean and Rebuild
- Keeping Data persistent between environment refreshes

REACHOUT

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THANK YOU