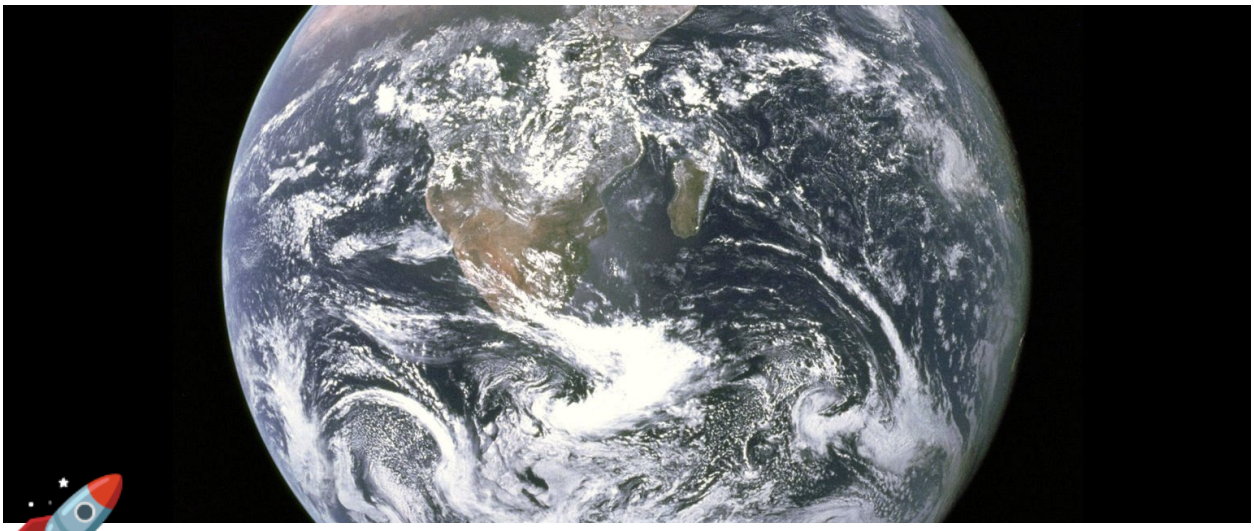
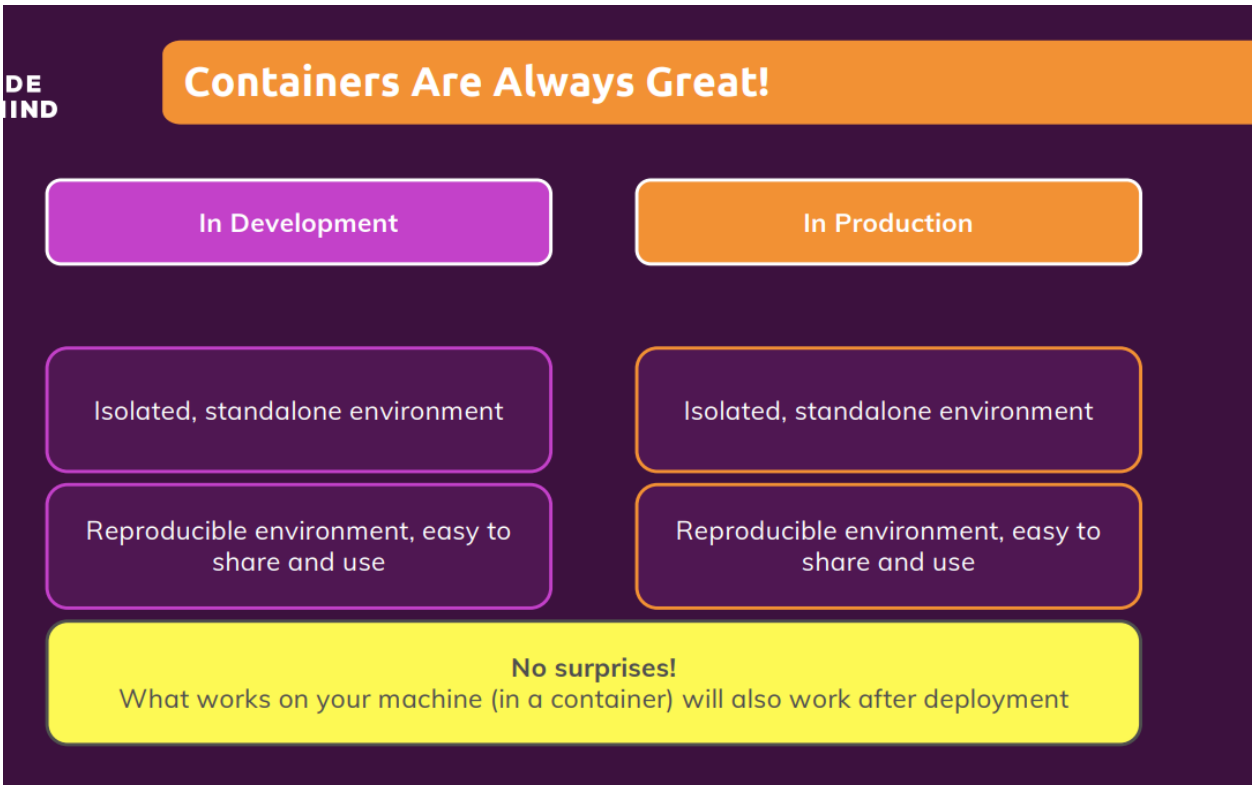
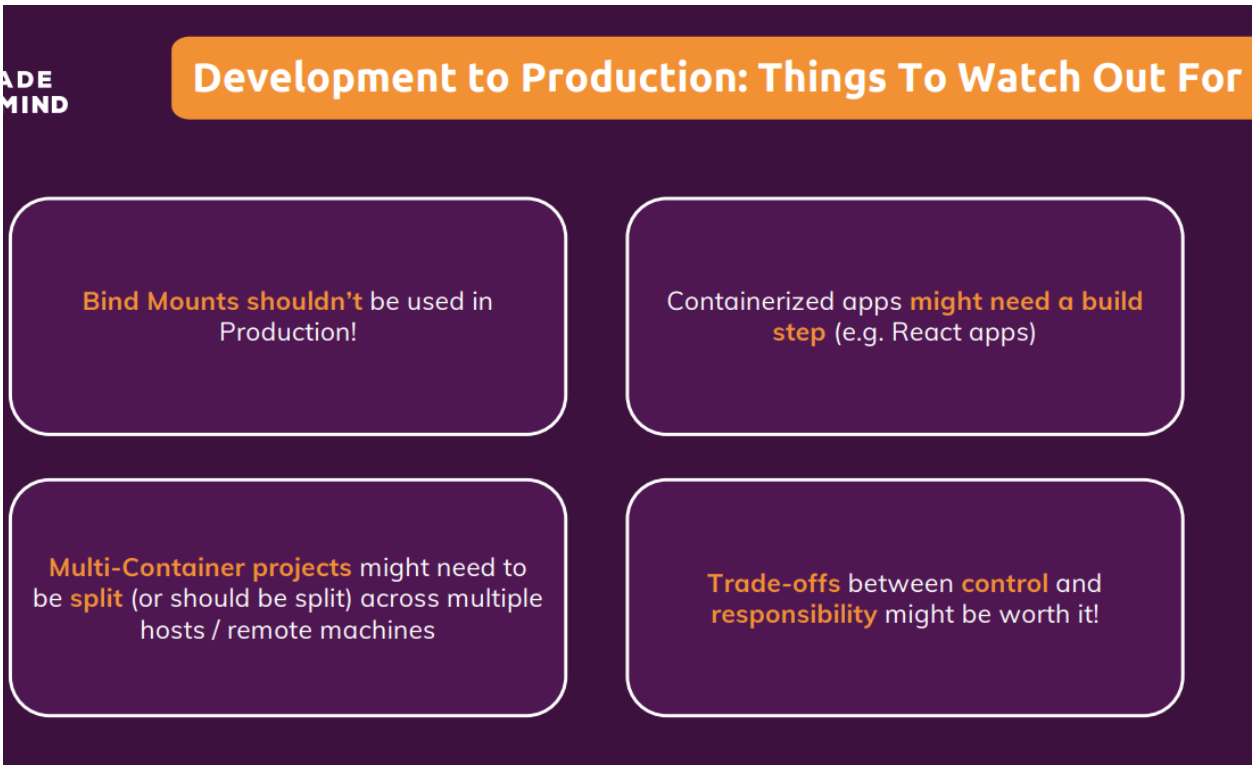


11 - Deploying Docker Containers

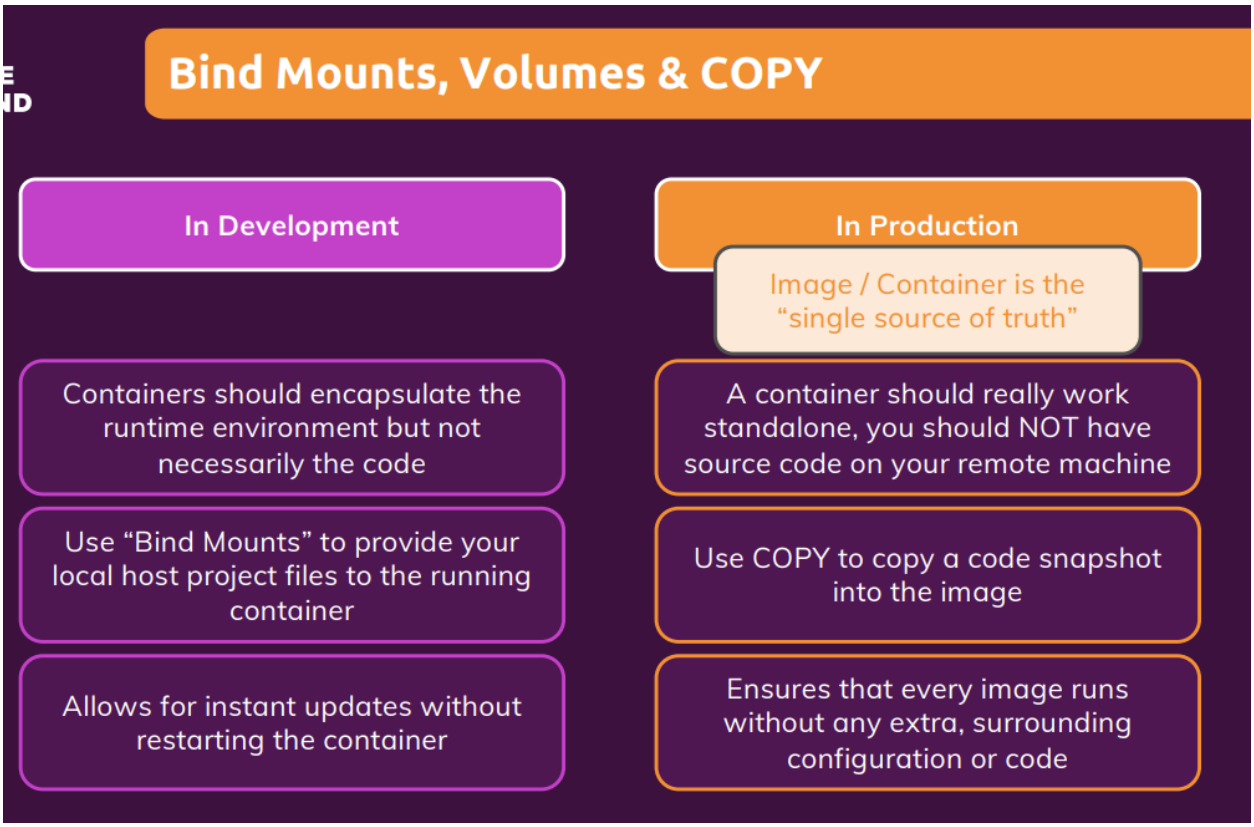
Containers in Development vs Containers in Production



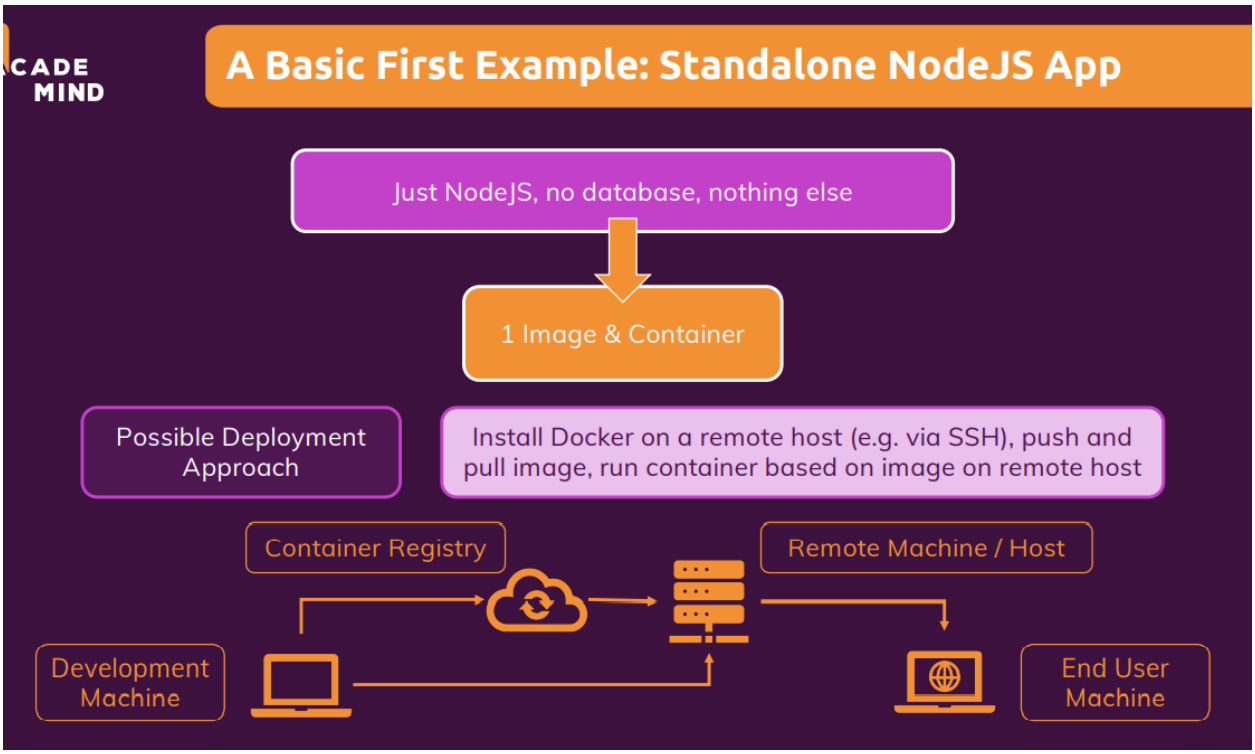
What to watch out for during Production



Bind Mounts, Volumes and COPY in Production vs in Development



Example of a stand-alone app deployment



Most famous network providers

Cloud Computing Services - Amazon Web Services (AWS)

Whether you're looking for compute power, database storage, content delivery, or other functionality, AWS has the services to help you build sophisticated applications with increased flexibility,

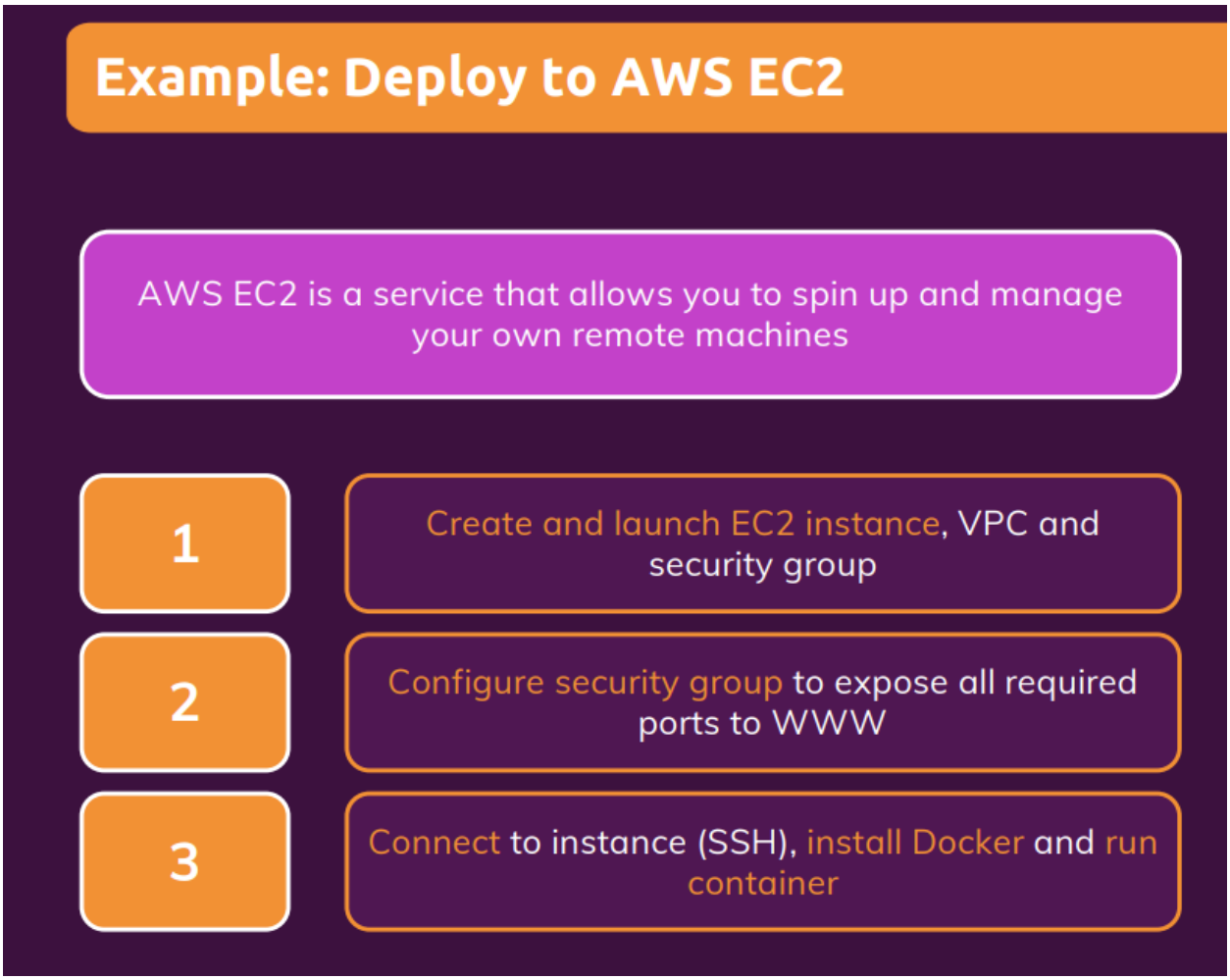
https://aws.amazon.com

Cloud Computing Services | Microsoft Azure

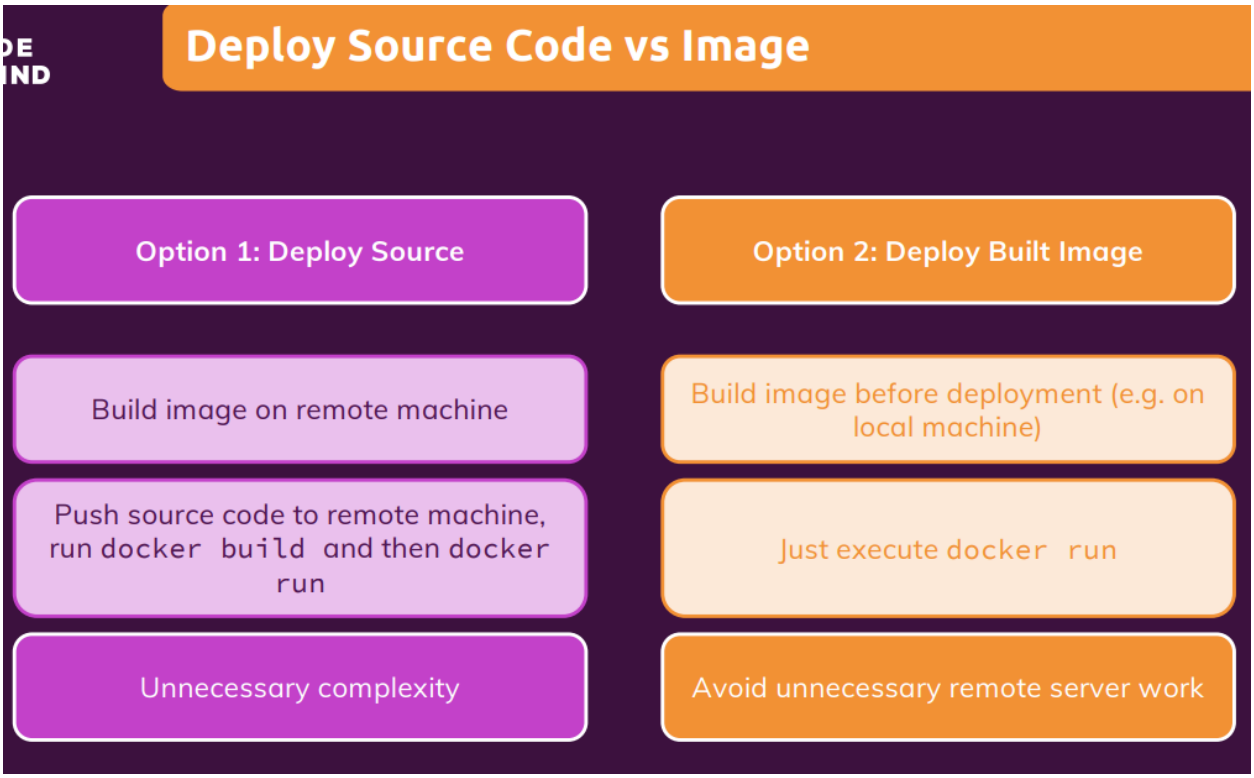
Invent with purpose, realize cost savings, and make your organization more efficient with Microsoft Azure's open and flexible cloud computing platform.

https://azure.microsoft.com/en-us/

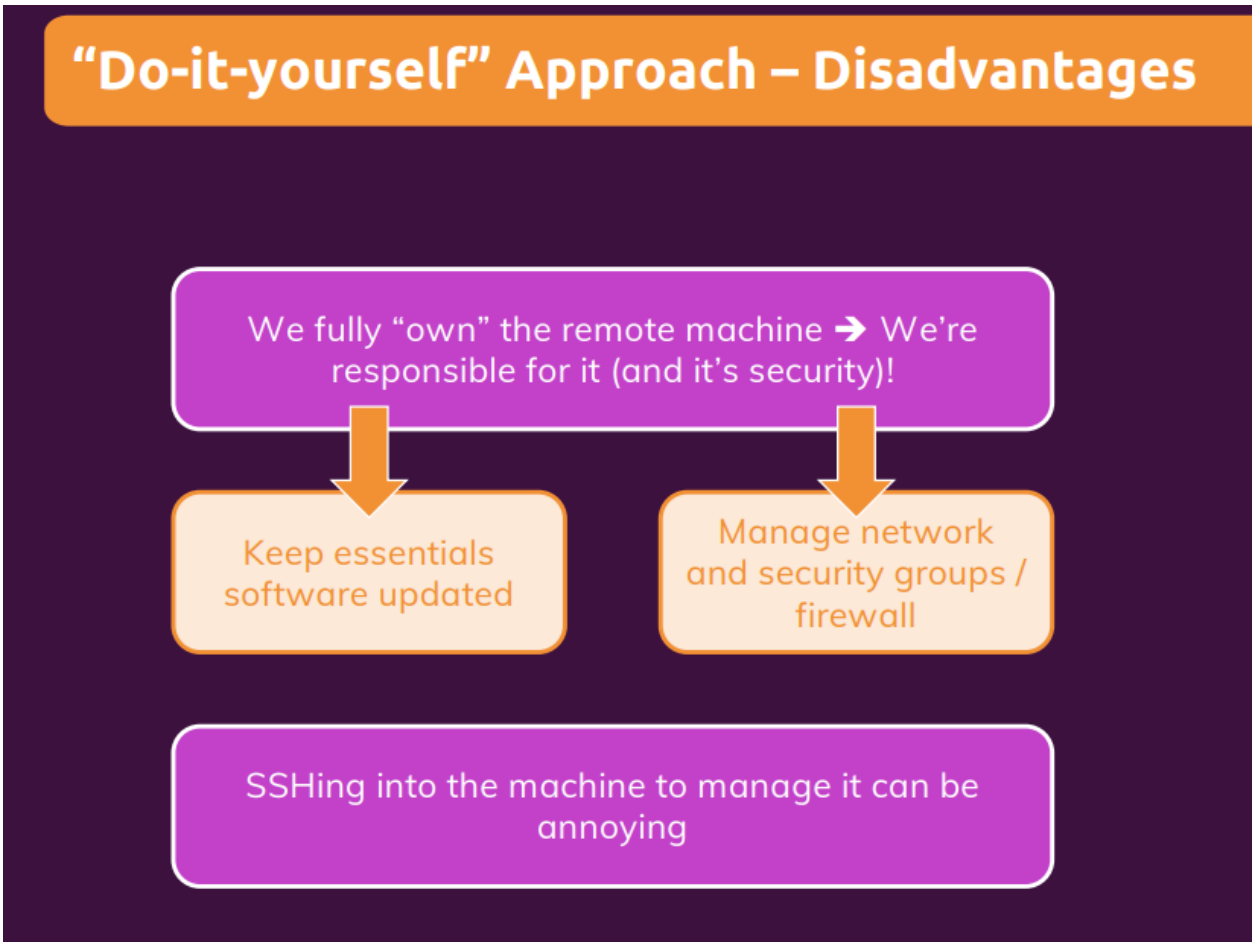
Steps of Deploying to AWS EC2



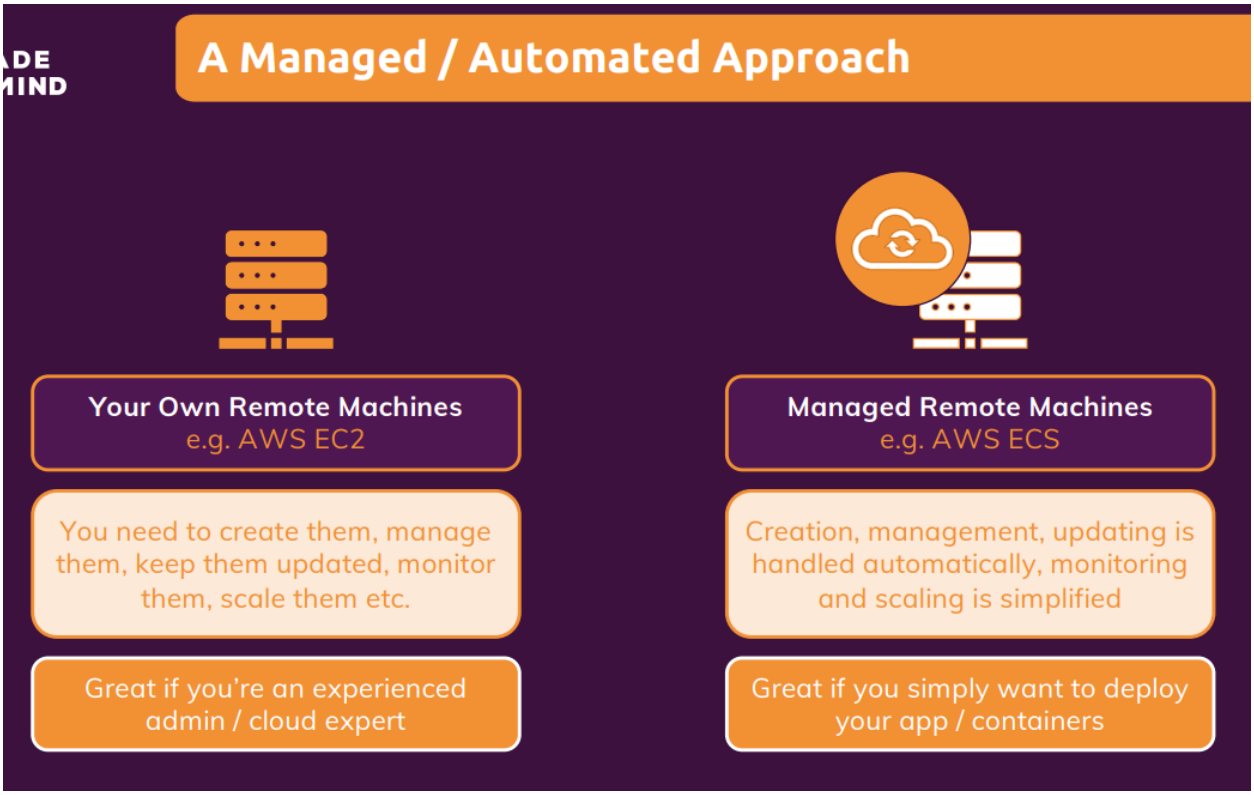
Deploying a Container vs Deploying Source Code

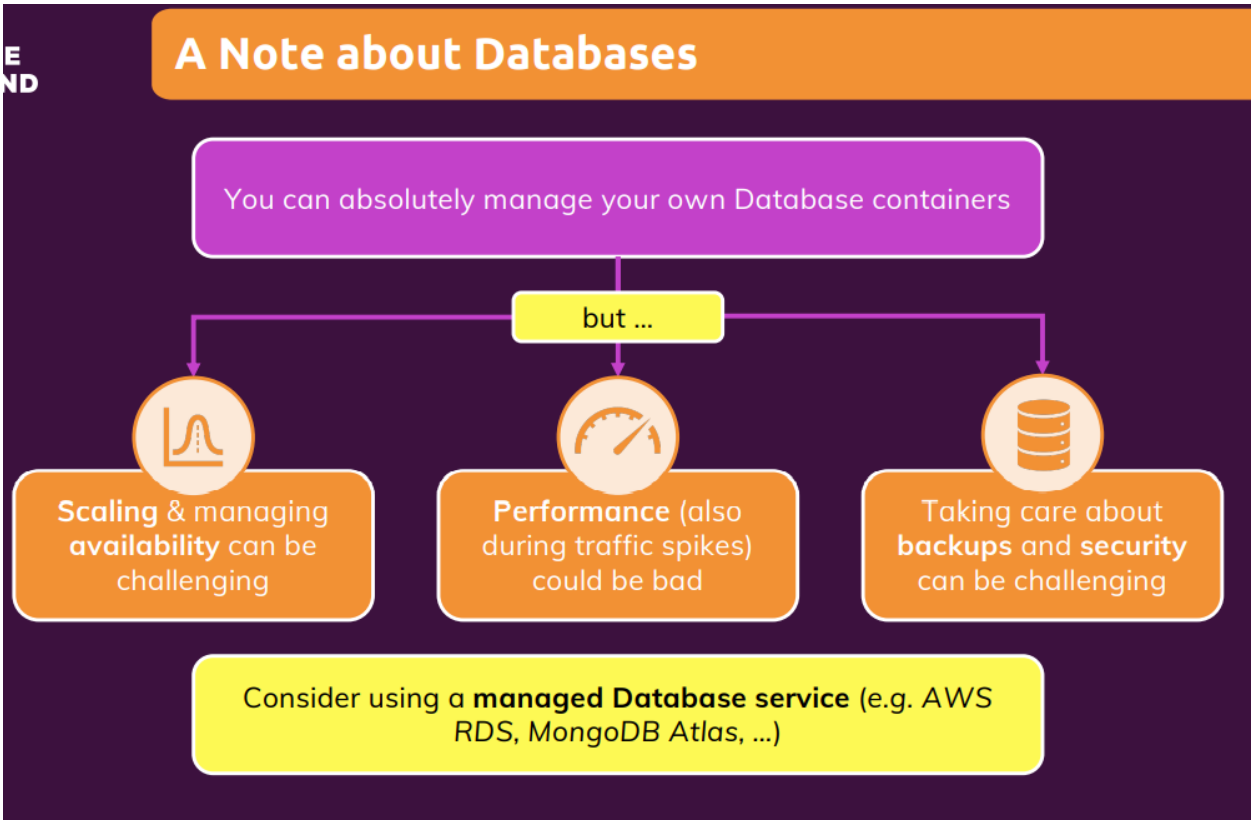


Having Full Control Setbacks

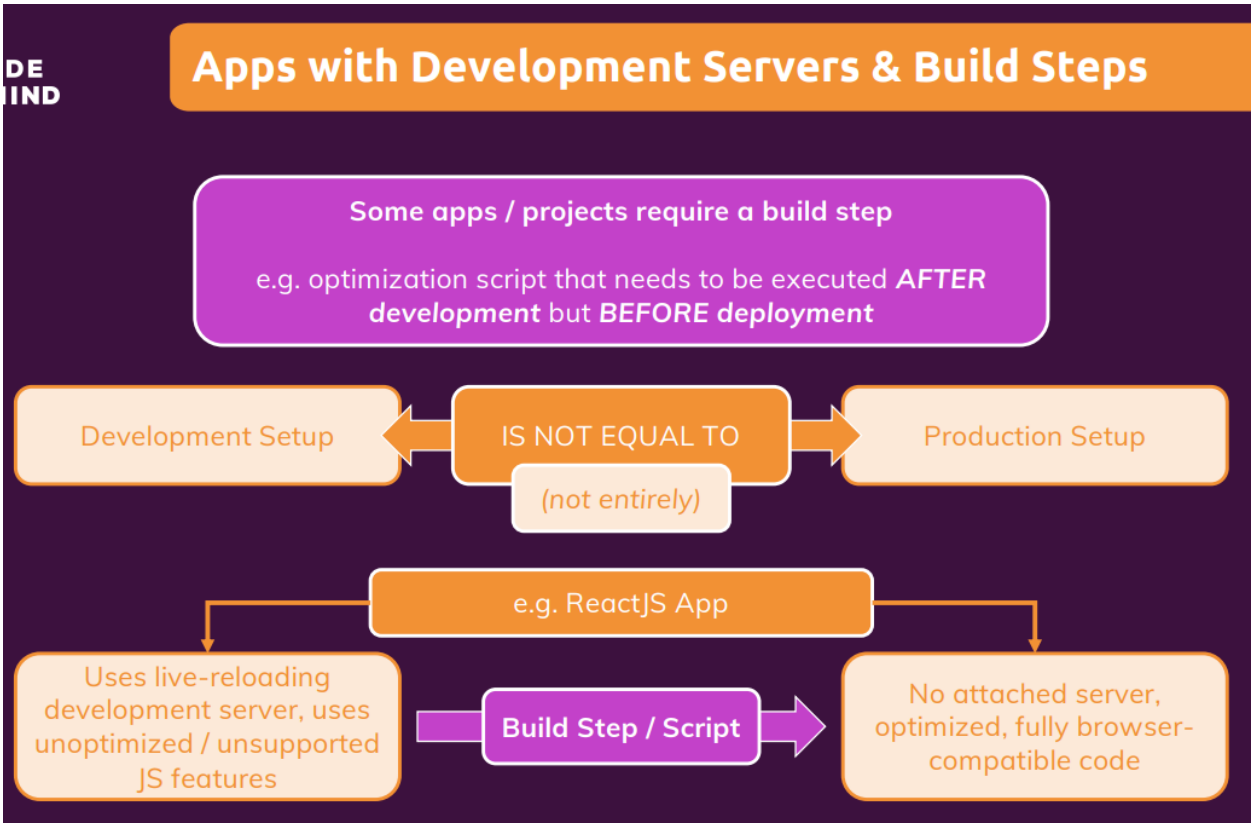


Automated Approach

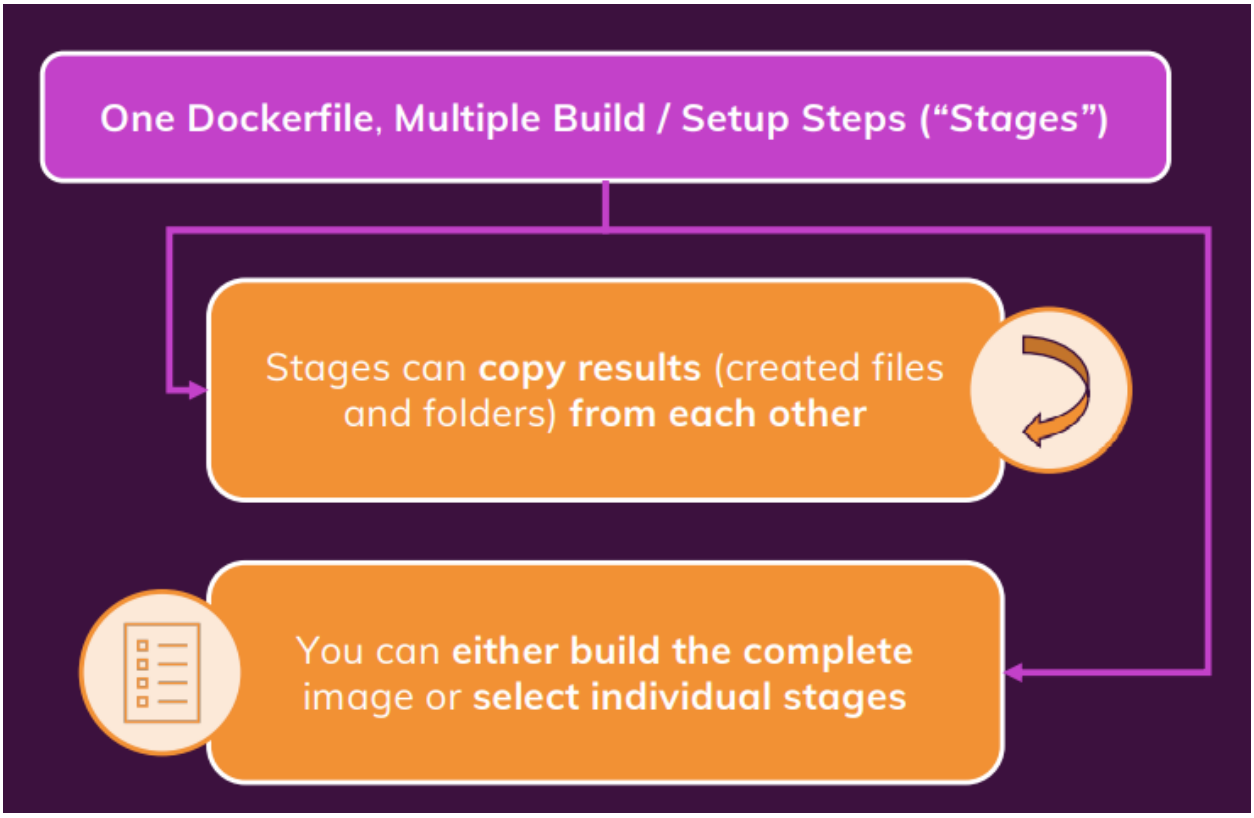

A Managed / Automated Approach
Your Own Remote Machines
e.g. AWS EC2
You need to create them, manage them, keep them updated, monitor them, scale them etc.
Great if you're an experienced admin / cloud expert
Managed Remote Machines
e.g. AWS ECS
Creation, management, updating is handled automatically, monitoring and scaling is simplified
Great if you simply want to deploy your app / containers


A Note about Databases
You can absolutely manage your own Database containers
but ...
Scaling & managing availability can be challenging
Performance (also during traffic spikes) could be bad
Taking care about backups and security can be challenging
Consider using a managed Database service (e.g. AWS RDS, MongoDB Atlas, ...)

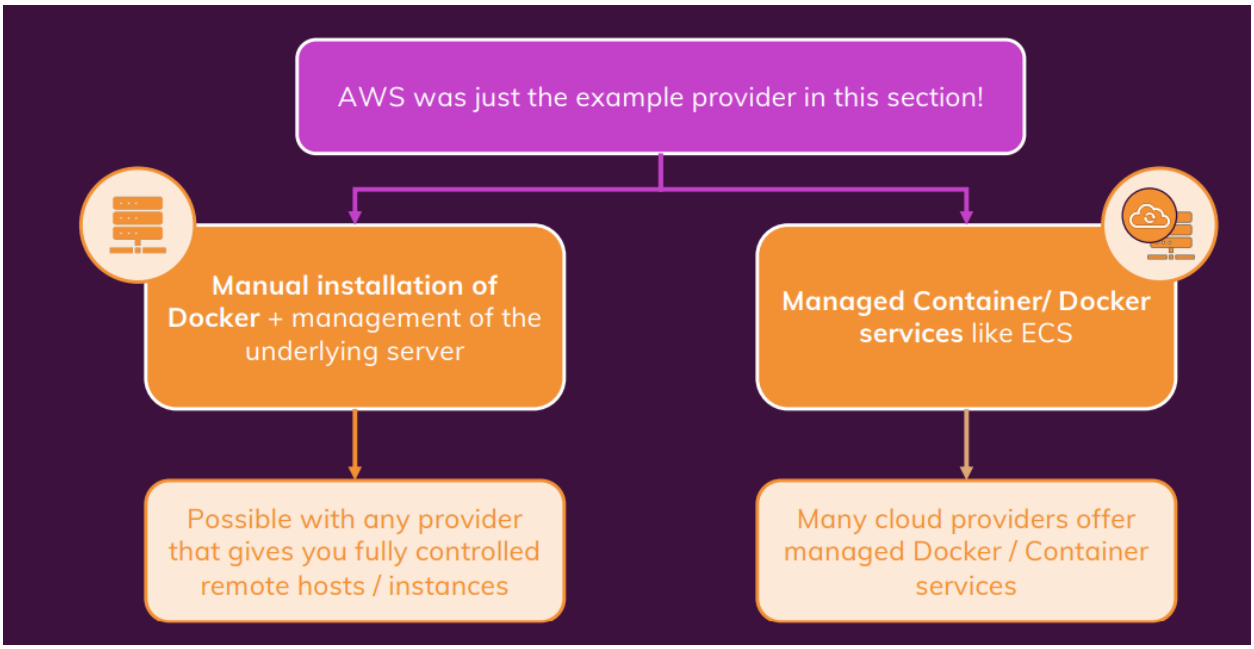
Apps with development Severs



Multi-Stage Builds



From AWS to other providers



Future Improvements