

Working with containers and Azure DevOps

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Liam Gulliver

- DevOps Delivery Manager at MMT Digital
- Worked in DevOps or DevOps-like organisations for 15 years
- Was a dev then moved into architecture and then into consultancy
- Transformed and scaled up orgs from 10 to 3000+ employees
- Co-founder and co-organiser of DevOps Notts
- Co-creator and co-host of Agile Engineering Podcast









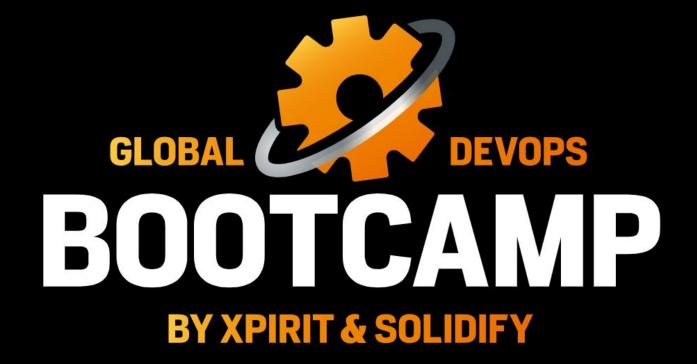
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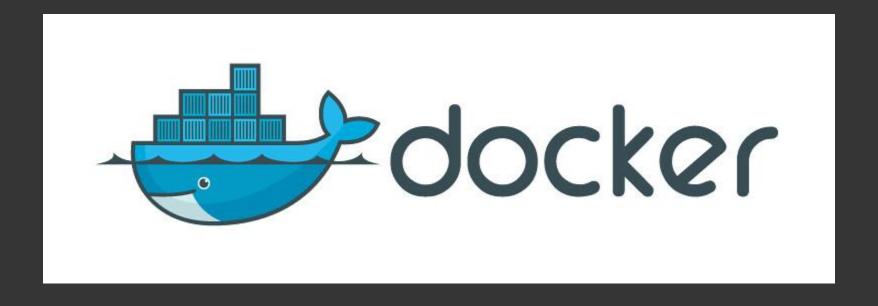
AgileEngineeringPodcast.com @AgileEngPodcast



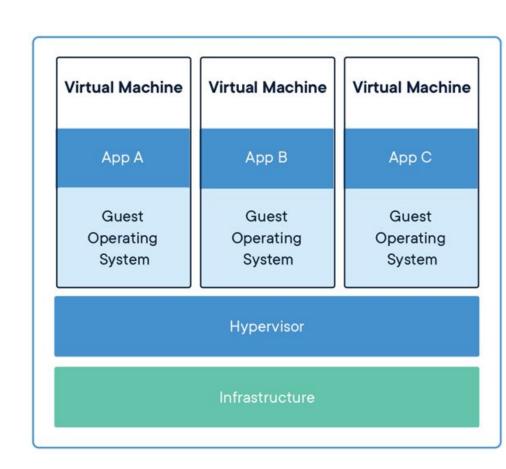
May 30, 2020

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What is Docker?

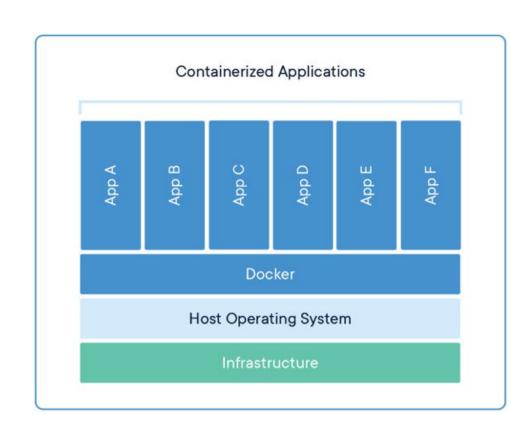


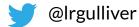
- Abstraction of physical hardware
- Multiple VMs on a single physical machine
- Each VM includes a full copy of the OS, the application and dependencies
- Can be 10s to 100s of GB
- Slow start-up





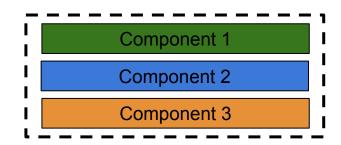
- Abstraction at the app layer
- Share the OS kernel with other containers
- Isolated processes in user space
- Fast start
- Portable
- Immutable



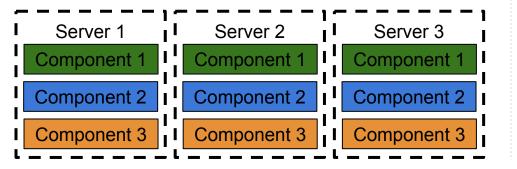




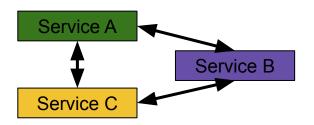
Monolithic Applications



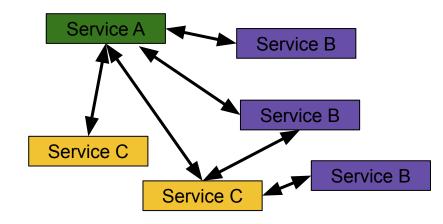
Scaled Monolith

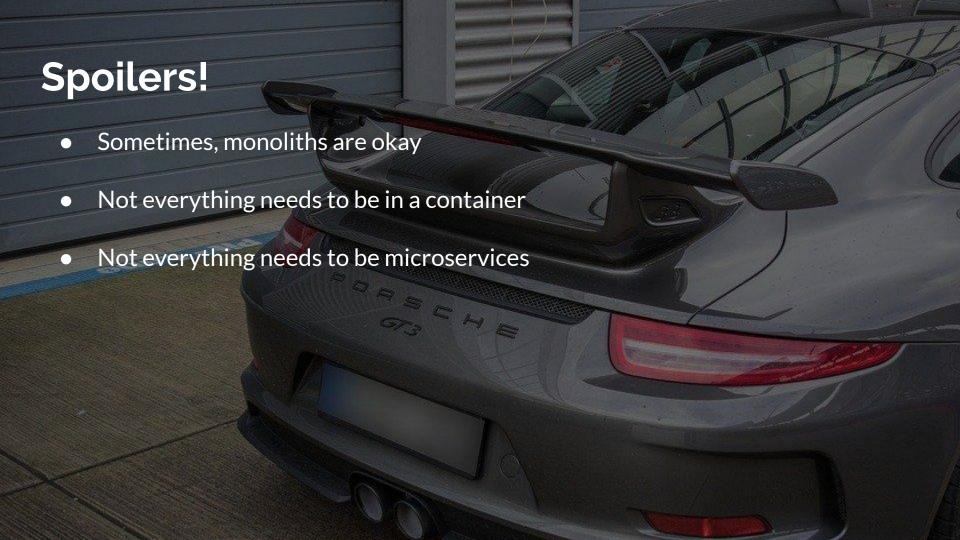


Microservices



Scaled Microservices





What is Azure DevOps?



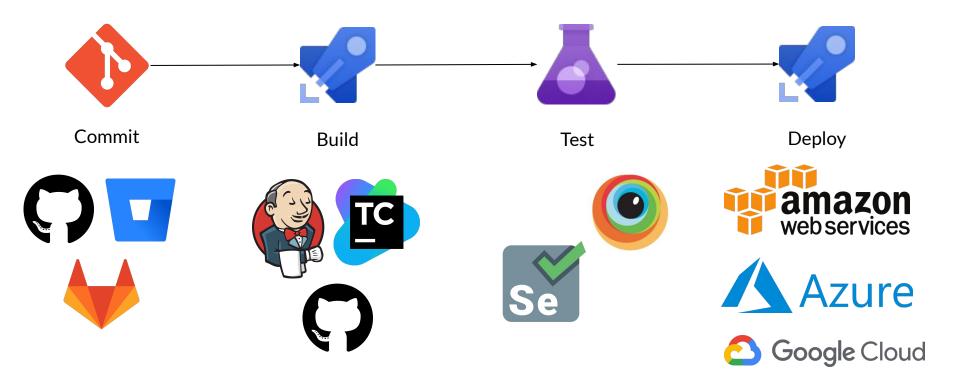
Azure DevOps

- Application Lifecycle Management tool
- Integrates with everything
- Source Control
- Build
- Testing
- Release
- Package feeds
- Open Source and Private









Demo



Commit to Github



Build in Azure DevOps

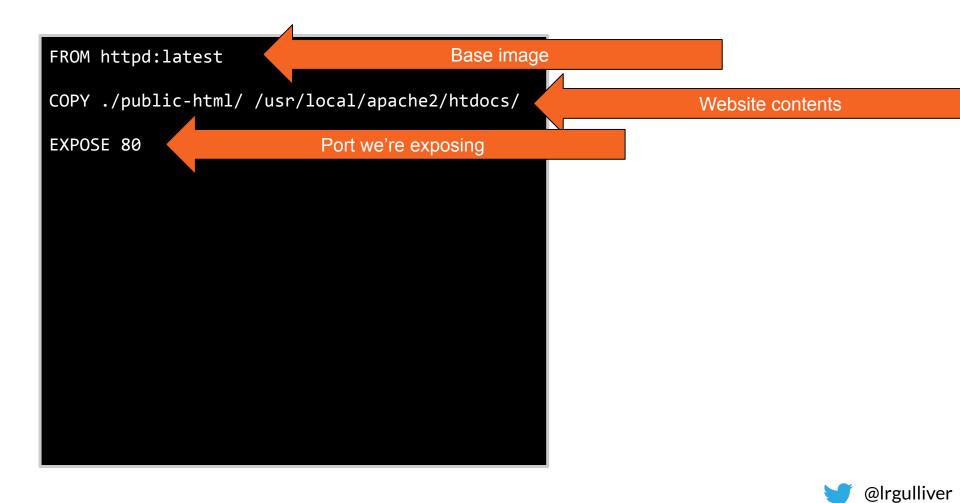


Push to Docker Hub



Run the built image







Thank you

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