



From Monolith to Microservices: Design, build, deploy, learn

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<say>Hello</say>

Spend 2 to 3 minutes introducing yourself to the person(s) next to them, say what company or organization your from, and what your looking to learn from this tutorial.





Housekeeping

- WiFi
 - Network Name: OReillyCon19
 - Password: oscon2019
- A Collaborative Workshop
 - Asking for help (GitHub issue, Raise hand)
 - PRs welcome



Introduction/History/Prerequisites

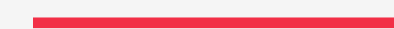
- The following commands should work, if not, please raise your hand and we will provide a USB drive with binaries:
 - VBoxManage --version
 - docker --version
 - docker-compose --version
 - minikube version
 - kompose version
- Account setup
 - GitHub, DockerHub, SendGrid & Twilio

DESIGN





Behold, the Monolith!



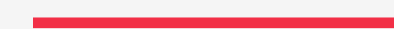
<https://github.com/thinkingserious/github-monolith>

BUILD





Behold, Microservices!



<https://github.com/thinkingserious/github-microservices>

DEPLOY





Local Development

- Docker
- Kubernetes



NEXT?

- Deploy to AWS, GCP or Digital Ocean
- Tests
- Dashboard with links to issues and PRs
- React.js frontend
- Add Postgres database service
- Setup steps for Windows & Linux
- Features? File an issue please ...

THANK YOU

[Please rate this session.](#)

