Migrating a monolith to Cloud-Native and the stumbling blocks that you don’t know about

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What is AsgharLabs?
What AsgharLabs thought they needed to do.
Where I came into the conversation to help AsgharLabs.
Questions you should ask after getting your app containerized
Who containerized your app?
Why did you containerize your app?
Where did you deploy or plan on deploying your containerized app?
What did we actually containerize?
Replatform example

Before

IBM WebSphere

Legacy app

Middleware

After

kubernetes

Liberty Container

Migrated app
Repackage to microservices

**Before**

- IBM WebSphere
  - Legacy app (.ear)
    - war 1
    - war 2
  - Middleware
    - DB2
    - IBM MQ

**After**

- Kubernetes
  - Migrated apps
    - WebSphere Liberty
      - war 1
    - war
      - docker
      - IBM MQ
Refactor using the strangler pattern

Before

war 1  war 2  war 3

Middleware

Legacy app (.ear)

After

Web app + microservices

war 1  Microservice 1

Middleware

IBM WebSphere

kubernetes

Microservice n

MariaDB

war 2

war 3
Where are the architectural advantages and disadvantages?
What do you mean our goal is to move away from the CCB?
Are we doubling up on things?
Isn’t automation good here?

Why is this thing so complicated now?
You had a ornery bull mastiff, now you have 13 yipping chihuahuas - Robb Kidd
Too true not to be ignored.
Questions you should ask about the cultural shift that will happen
Build that pipeline.
Learn to collaborate with other teams.
Visibility and Monitoring.
How do economics of the Cloud can differ from your data center?
What do you mean our support is now Stack Overflow?
Some tangible things you can start with to help become more successful.
Conclusion and where you *ideally* can go from here.
You wouldn’t use a saw when you needed a hammer, or a hammer when you needed a saw, right? - Thomas Cate
Thank you!

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