Cloud Native Application Architecture Workshop

Session Four

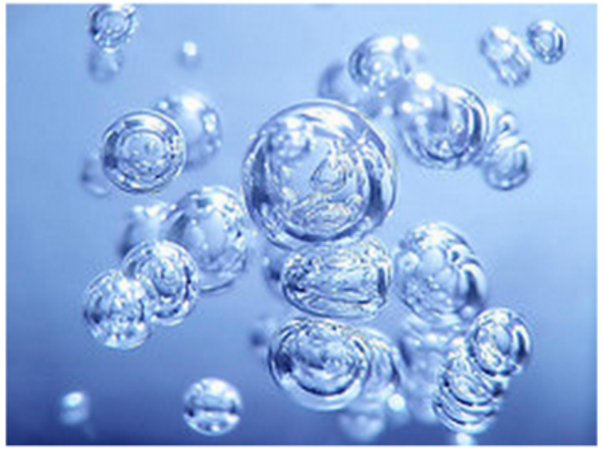
Deploying and Running Cloud Native Applications

« Paper: Scalable Atomic Visibility with RAMP Transactions - Scale Linearly to 100 Servers | Main | Google Finds: Centralized Control, Distributed Data Architectures Work Better than Fully Decentralized Architectures »

Microservices - Not A Free Lunch!

TUESDAY, APRIL 8, 2014 AT 8:54AM

This is a guest post by Benjamin Wootton, CTO of Contino, a London based consultancy specialising in applying DevOps and Continuous Delivery to software delivery projects.



Microservices are a style of software architecture that involves delivering systems as a set of very small, granular, independent collaborating services.

APPDYNAMICS
Get Complete Browser to Backend Visibility For Your App
FREE TRIAL

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Messaging Giant Replacing MongoDB with Couchbase.
Couchbase
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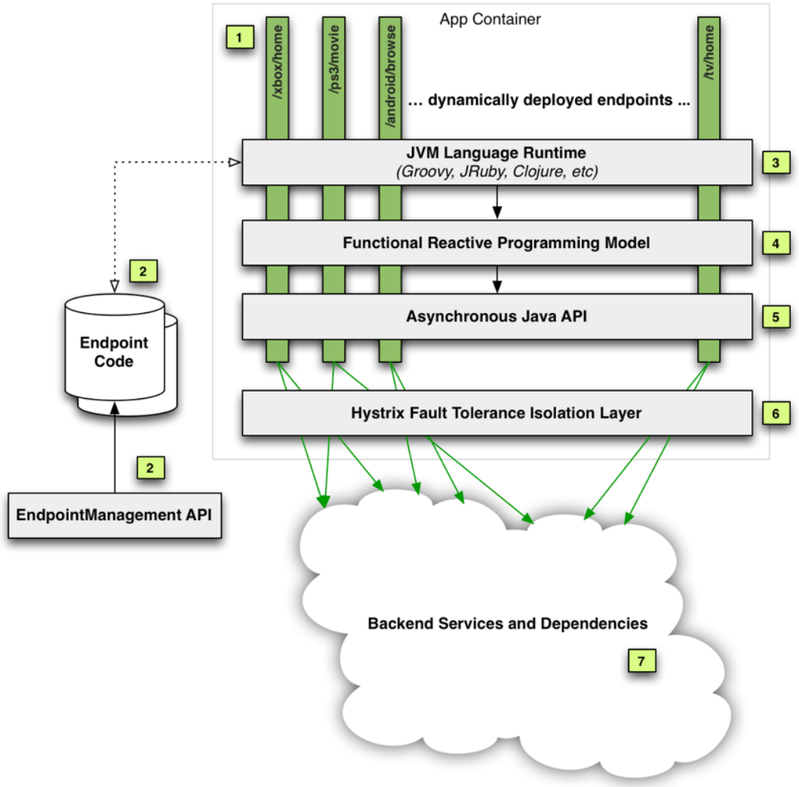
- Significant Operations Overhead
- Substantial DevOps Skills Required
- Implicit Interfaces
- Duplication of Effort
- Distributed System Complexity
- Asynchronicity is Difficult!
- Testability Challenges

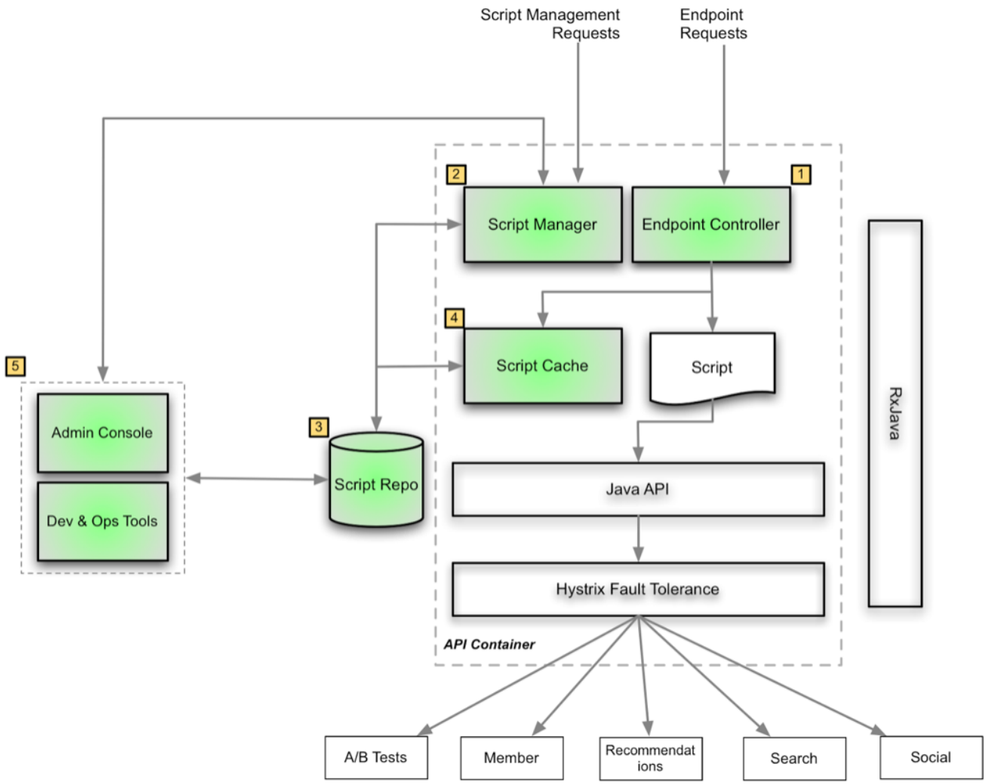
You must be this tall to use Microservices

- RAPID PROVISIONING
- BASIC MONITORING
- RAPID APPLICATION DEPLOYMENT
- DEVOPS CULTURE

http://martinfowler.com/bliki/MicroservicePrerequisites.html

It Takes a Platform (NETFLIX)





A Symbiotic Relationship

Platform Features

- Environment Provisioning
- On-Demand Scaling
- Failover/Resilience
- Routing/Load Balancing
- Data Service Operations (BOSH)
- Monitoring

Better Caught Than Taught!

TO THE LABS!