



**Click 'engage'  
to rate sessions  
and ask questions**



# Port 80 All The Things

Or At Least Most

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# Who am I?

## Mike Elsmore

Developer Advocate

[mike.elsmore@uk.ibm.com](mailto:mike.elsmore@uk.ibm.com)

# IBM Cloud Data Services



Apache Spark  
**IBM BETA**



Cloudant NoSQL DB  
**IBM**



dashDB  
**IBM**



Compose  
**IBM**



Graph Data Store  
**Experimental**









jess

**Port 80 / 443**  
**All The**  
**Things**

# Microservice Architecture

# Story Time

Worst history lesson...*ever*

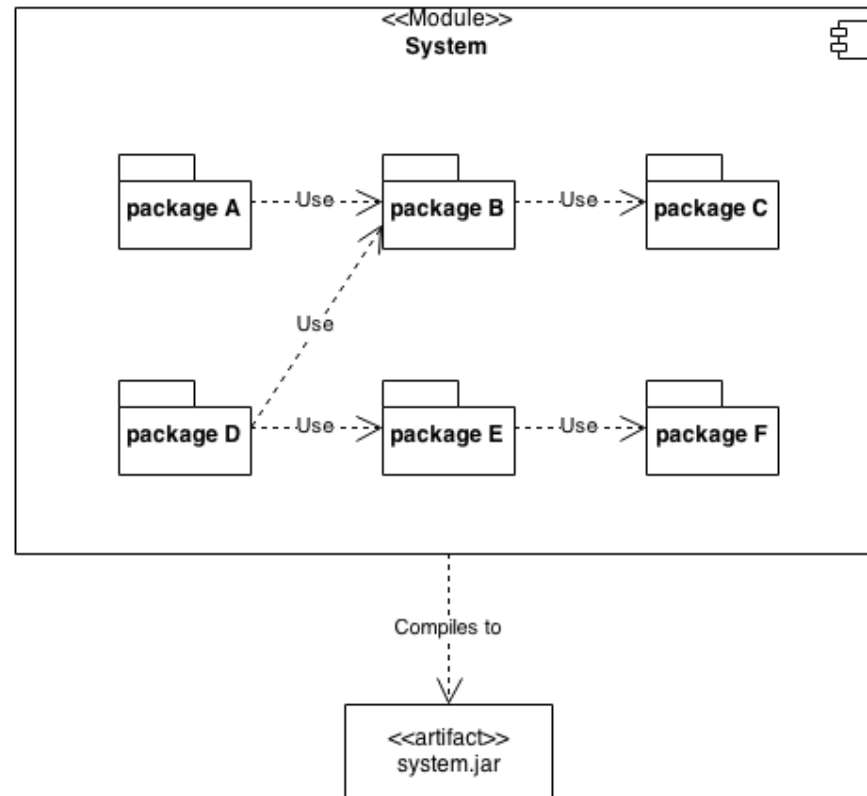
# Monolith



*About the time of SOAP*

**Monolith  $\neq$   
Legacy**

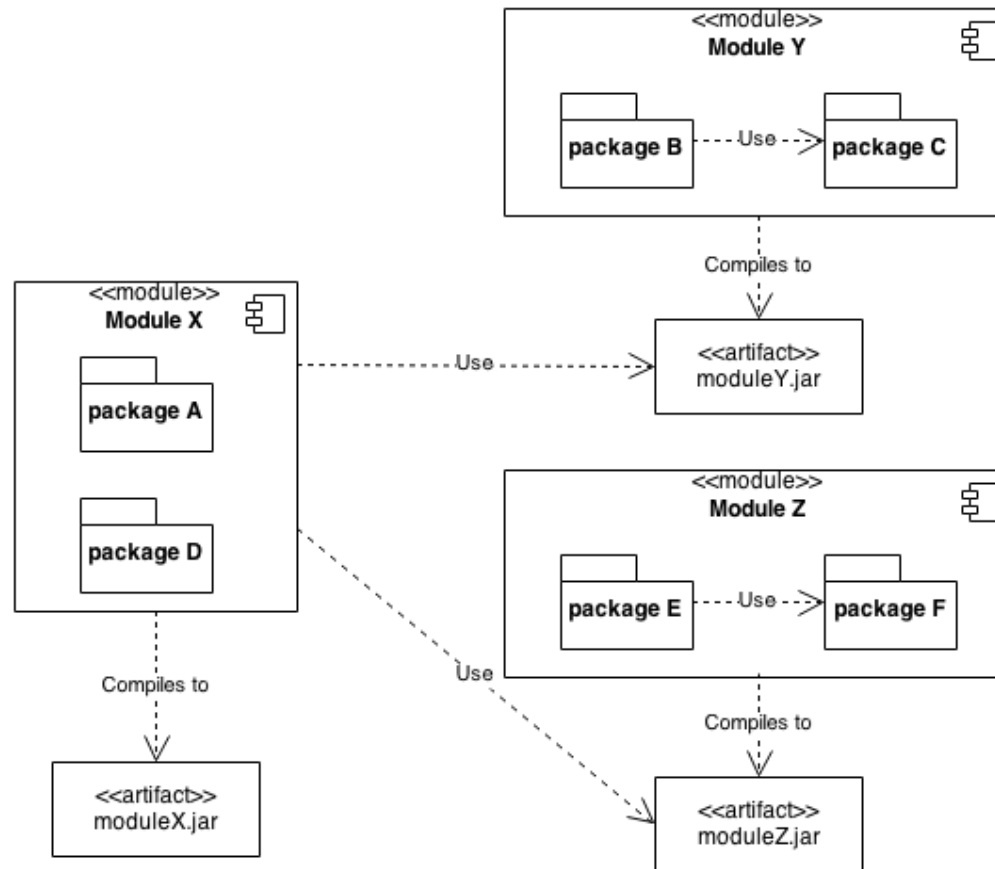
# Looks Like







# Can Look



# Apache CouchDB



# Allocation Monolith

One code to rule them all

# Runtime Monolith

# **Service Orient Architecture**

**SOA  $\cong$**   
**Microservice**

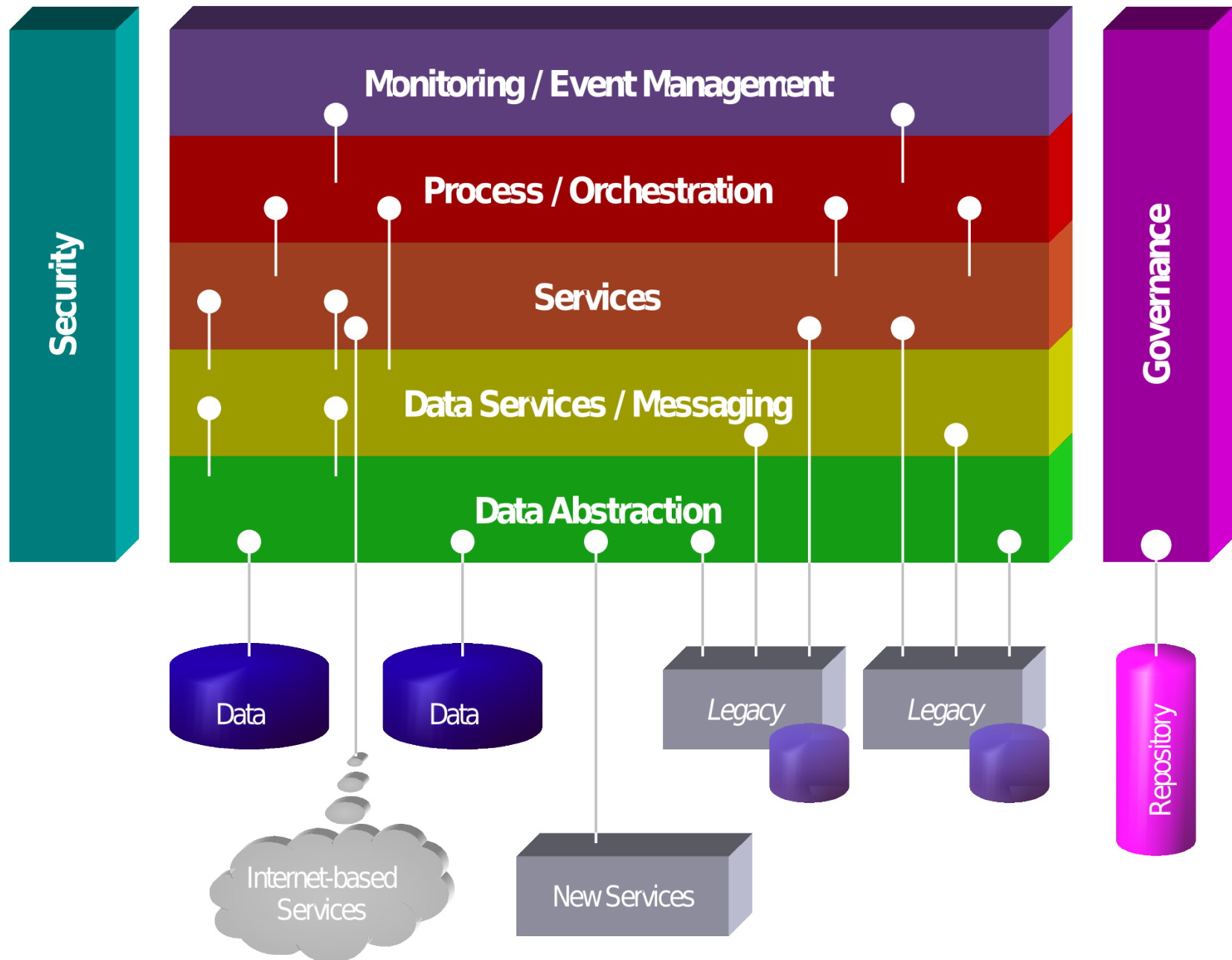
# What is SOA?

# SOA Concepts

1. Consumer Interface Layer
2. Business Process Layer
3. Services
4. Service Components
5. Operational Systems







# Microservices

**And the  
difference?**

# The advantage



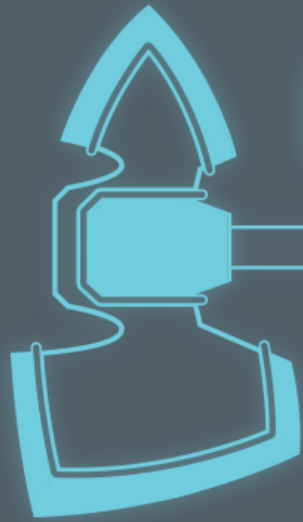
# Opinion Time

*Definitely not facts...don't quote me*

**Why it's  
grown...**



**Best example  
I have**



# BATTLEHACK



2 0 1 5



**Yes, we kept  
the axe**



# Did this by...



# Some Repo's

## **battlehack2015dash**

HTML ★ 0 🍷 0

The dashboard of the hack

Updated on Apr 26

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## **aws-related-prods**

JavaScript ★ 0 🍷 0

A quick API endpoint to relay related products

Updated on Apr 26

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## **facetedetection-js**

JavaScript ★ 0 🍷 0

Detect and post persons image, in Javascript

Updated on Apr 25

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## **facetedetection-python**

Python ★ 0 🍷 0

Detect and post persons image

Updated on Apr 25



# The Bad Side

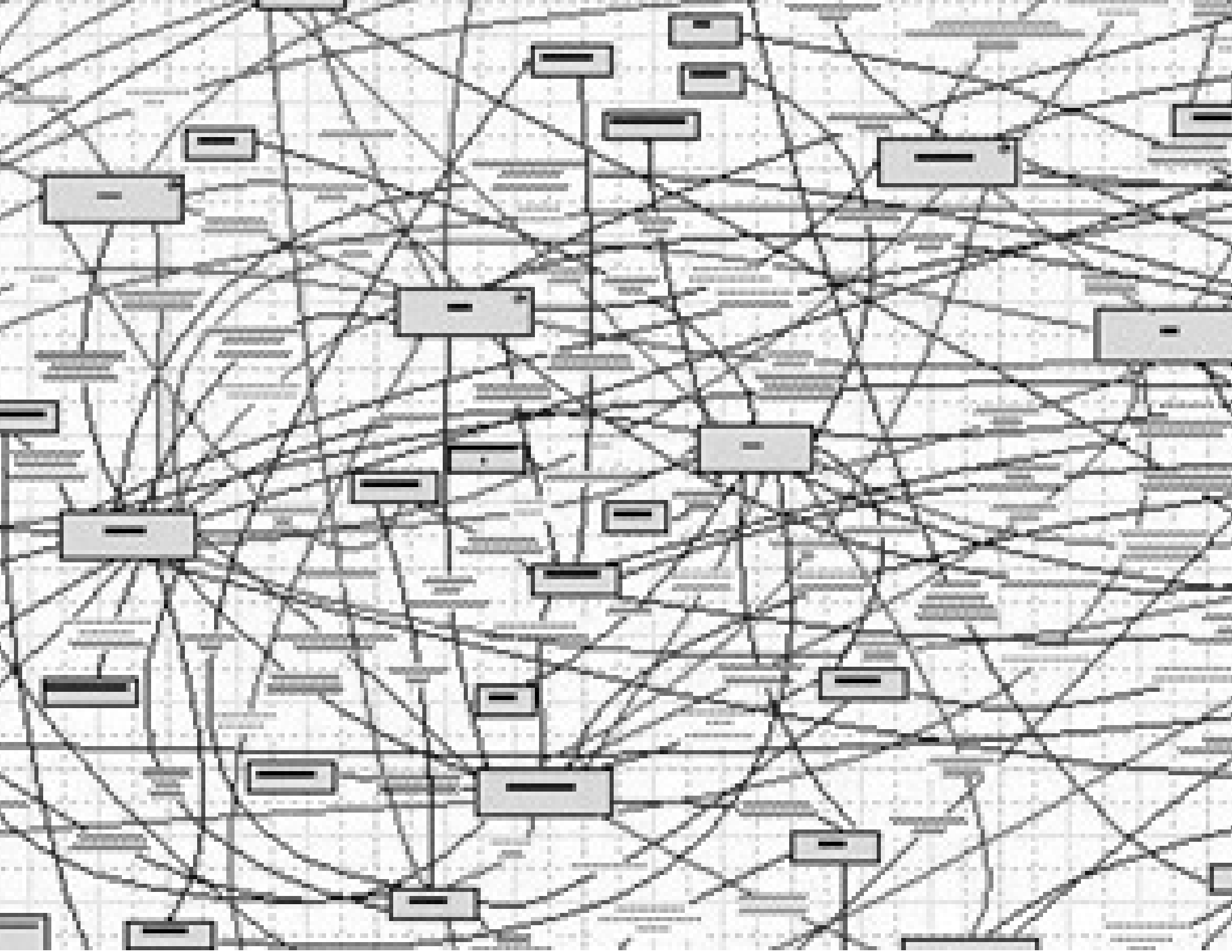




**YO DAWG I HEARD YOU LIKE  
MICROSERVICES**

**SO I PUT A REVERSE GEOCODING SERVICE IN QUEUE SERVICE IN A FACEBOOK SERVICE IN A  
TWITTER SERVICE SO YOU CAN USE MICROSERVICE WHILE YOU USE MICROSERVICE WHILE .net**







30

?SYNTAX ERROR

10

**You can  
avoid this**

# Mike Elsmore



# Port 80 All The Things

<http://elsmore.me/port-80-all-the-things-goto-berlin-2015/>

  /ukmadlz

mike.elsmore@uk.ibm.com



*Please*

**Remember to  
rate session**

*Thank you!*

