

# APIs – the Glue in your DevOps Strategy



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Axway





# Developer Advocate



/in/uhitzel



/u1i/slides





cosmicrenaissance

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194 followers

615 following

**Just some guy, really.**

+65

City life, scenery, food.

Camera: Samsung Galaxy S7/S9



{ api }



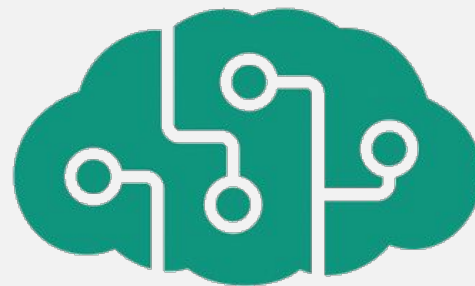
[illegible]



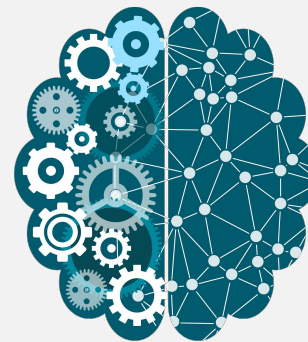
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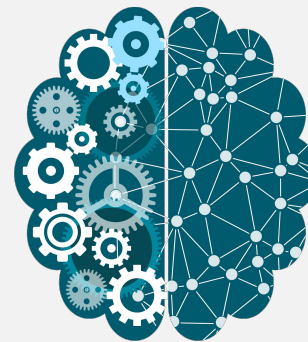
 Microsoft  
Cognitive Services



**Text:** "a close up of a pizza"

**Confidence:** 0.9246481371443355

**Tags:** "pizza" "food" "table" "sitting" "cheese" "plate" "top" "piece" "slice" "toppings"  
"close" "eaten" "sauce" "covered" "wooden" "large" "pepperoni" "white" "pan"

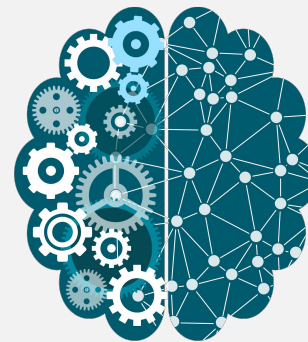


**Text:** "a cup of coffee"

**Confidence:** 0.8527612488821656

**Tags:** "cup" "table" "coffee" "food" "sitting" "drink" "plate" "sandwich" "breakfast"  
"spoon" "glass" "close" "donut" "hot" "white" "phone" "soup"

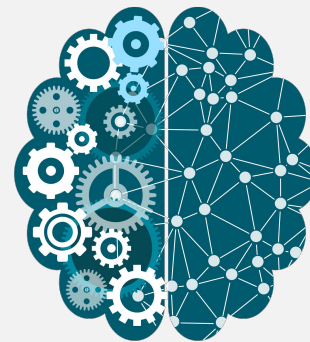




**Text:** "a wooden table next to a window"

**Confidence:** 0.8365439206950018

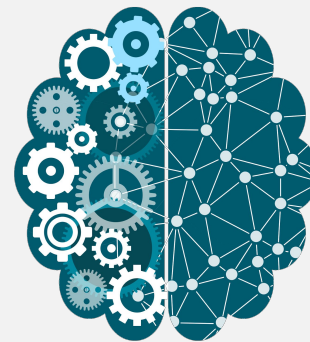
**Tags:** "table" "indoor" "window" "room" "sitting" "chair" "small" "desk" "wooden"  
"laptop" "lit" "top" "light" "counter" "computer" "living" "kitchen"



**Text:** "a sunset over the ocean"

**Confidence:** 0.8065587199349568

**Tags:** "outdoor" "water" "beach" "sunset" "ocean" "sun" "man" "pier" "track" "board"  
"top" "large" "red" "standing" "surfing" "walking" "boat" "holding" "flying"



**Text:** "a bunch of bananas"

**Confidence:** 0.37608016747604295

**Tags:** "animal" "covered" "sitting" "old" "side" "large" "water" "lot" "many" "top" "table"  
"bunch" "street" "fire" "bird" "snow" "parking" "group" "river" "ocean" "field"

# Agenda

1 – APIs & DevOps -  
Why?

2 – APIs Everywhere

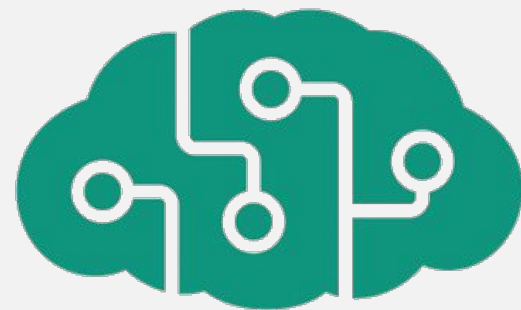
3 – Developer  
Experience – People &  
Culture





# You've just seen a great example

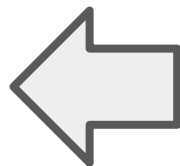
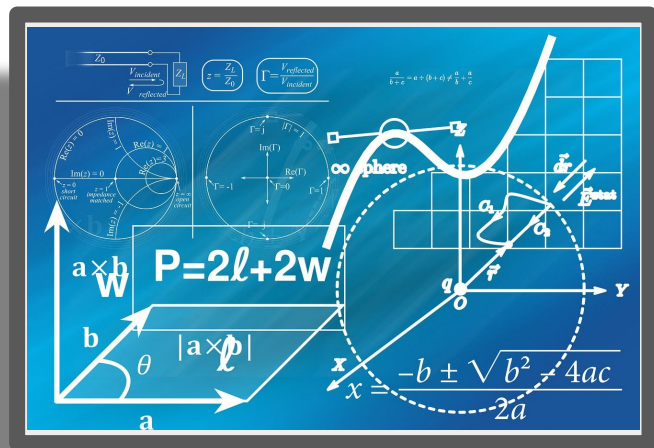
- API abstracts something really complex
- Quick Results
- Easy to use → More Users → More Sample Data → AI learns → Better Product



Microsoft

Cognitive Services

# We want to abstract complex things



- Instant Access
- Sandbox
- Docu
- Authentication
- Unified Experience
- 'Hello World' in 5 min

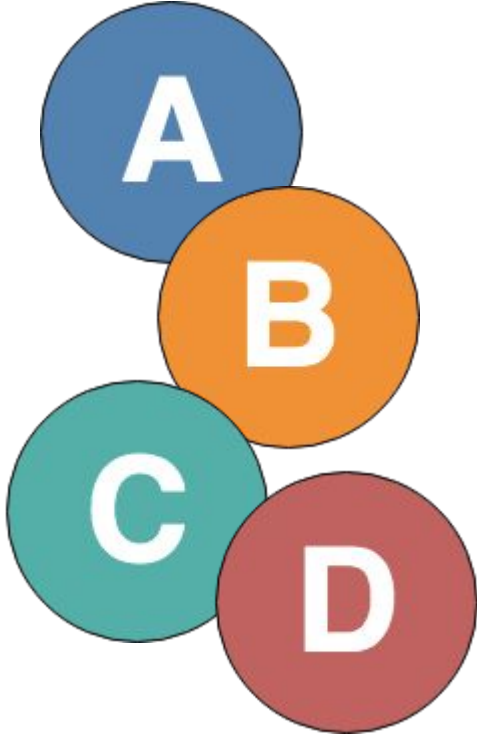


Complicated System X

# Your DevOps Pipeline



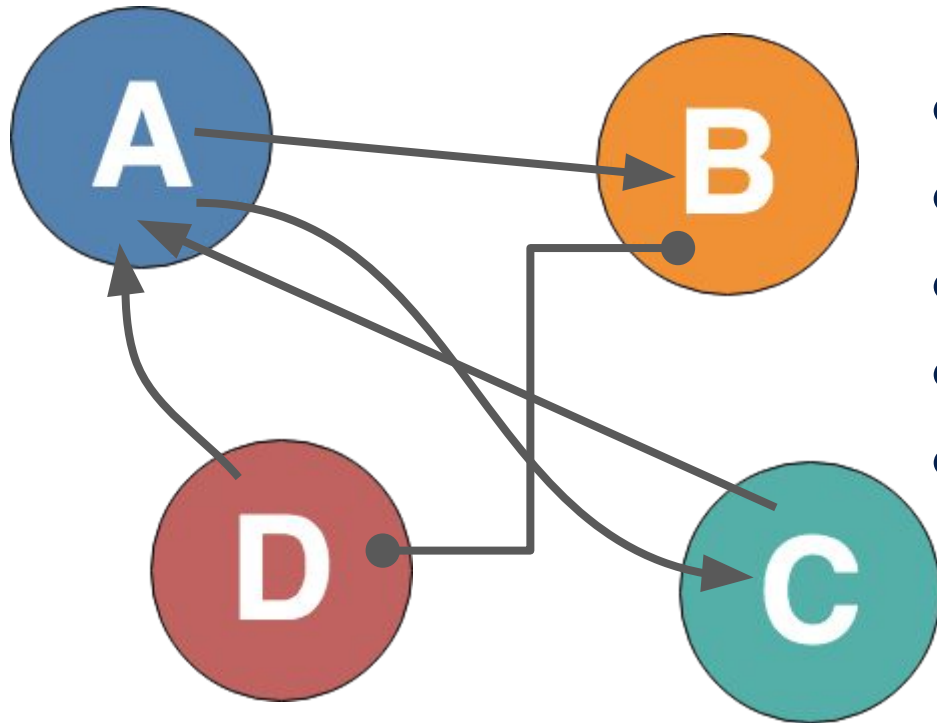
# Your 'Legacy' Applications



- Ticketing System
- Customer Database
- Monitoring System
- Deployment Scripts
- ...

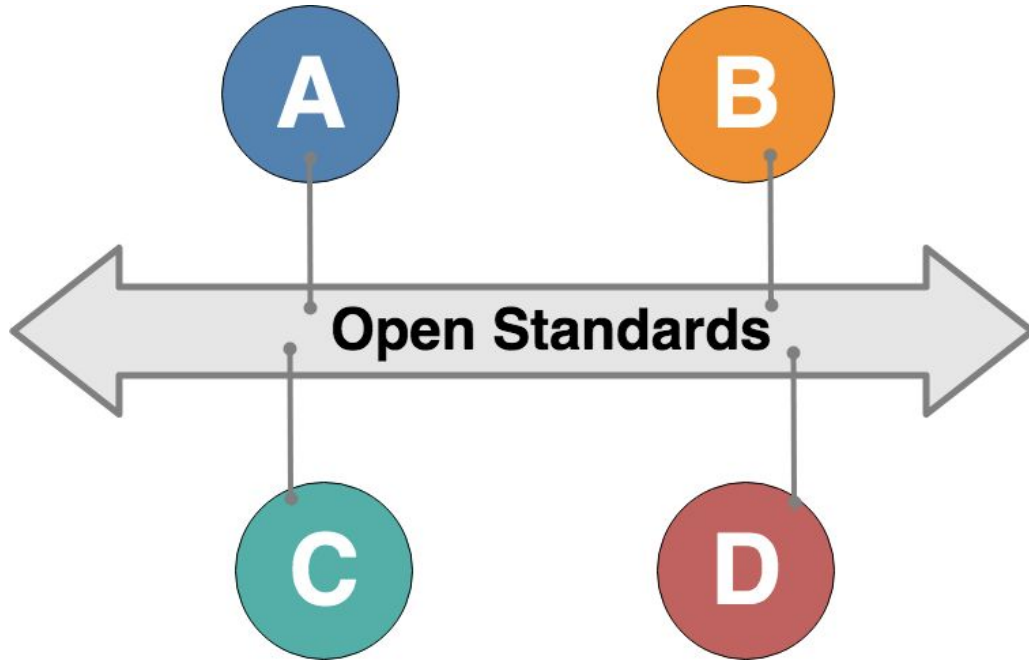


# 'Classic' Integration Approach



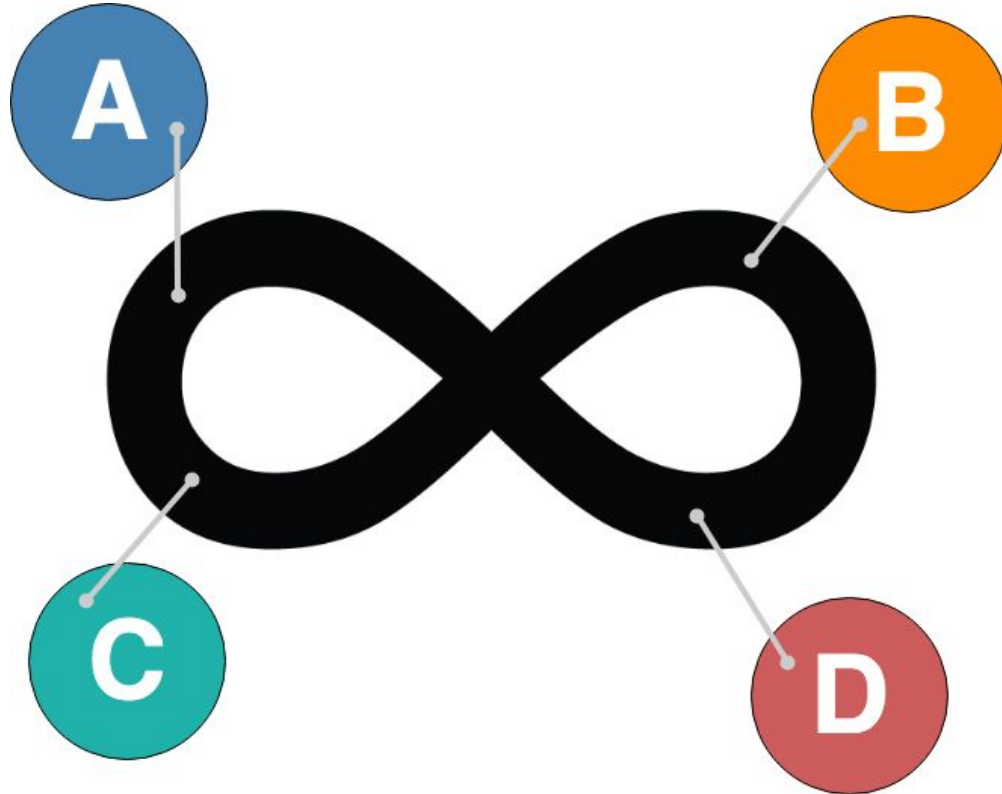
- Point-to-Point
- Legacy Protocols
- No Documentation
- Old Passwords
- Impossible to Rip & Replace

# Open Standards based Approach





- Everybody can talk to everyone
- Same Format
- Auto-generated Documentation
- Common Auth
- Rip & Replace

Now 'pluggable' into your DevOps Pipeline



# Now available in your API Portal


 [APIs](#) [Applications](#) [Monitoring](#) [Help Center](#) [Pricing](#) 

## API Catalog

Explore our APIs and see sample responses without writing a single line of code

Find:


[Name ascending](#) [Change view](#)



### IT Service Tickets

[Test the API](#)[View metrics](#)

Type REST | Version 1.0



### Inventory System (SAP)

[Test the API](#)[View metrics](#)

Type REST | Version 1.0





{ api }

- Glue all kinds of services & data together
- HTTP/REST
- JSON
- Swagger



```

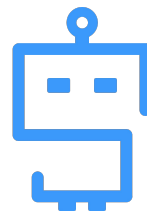
1  swagger: "2.0"
2  info:
3    description: "This is a sample server
      out more about Swagger at [http://swagger.io]
      or on [irc.freenode.net, #swagger]
      this sample, you can use the api to
      authorization filters."
4    version: "1.0.0"
5    title: "Swagger Petstore"
6    termsOfService: "http://swagger.io/terms/"
7    contact:
8      email: "apiteam@swagger.io"
9    license:
10     name: "Apache 2.0"
11     url: "http://www.apache.org/licenses/LICENSE-2.0.html"
12  host: "petstore.swagger.io"
13  basePath: "/v2"
14  tags:
15  - name: "pet"
16    description: "Everything about your
      externalDocs:
17      description: "Find out more"
18      url: "http://swagger.io"
19  - name: "store"
20    description: "Access to Petstore
      externalDocs:
21      description: "Find out more about
22      url: "http://swagger.io"
23  - name: "user"
24    description: "Operations about user
      externalDocs:
25      description: "Find out more about
26      url: "http://swagger.io"

```

# Design First

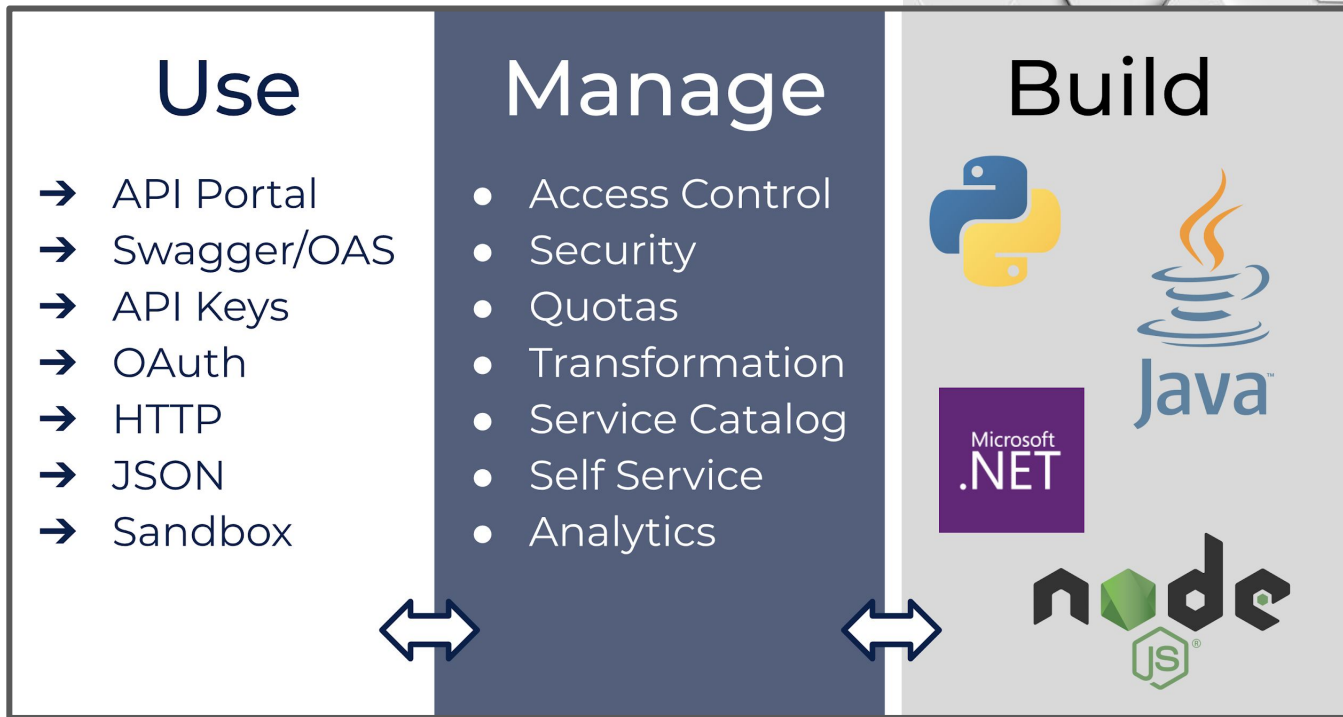


- What can I do?
- What do I get?
- Data Models
- Authentication
- License



# Divide & Conquer

2





# Developer Experience



- Add all the 'Lego Pieces' to an API Portal
- Instant Discovery & Sandbox
- 'Hello World' in 30 minutes
- Innovation



# Get Started

- **Learn:** REST APIs, Postman, Swagger, Stoplight
- **Experiment:** Use Uli's Open Banking APIs
- **Spread the Word:** Show your colleagues & your boss!



/u1i/yoisho

