

API Orchestration in the Cloud

It's just regular API Orchestration

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About Me

Hi, I'm Drew Olson

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Agenda

Agenda

- API Orchestration
- GraphQL
- AWS + API Orchestration

API Orchestration

API Orchestration is about decoupling your API from your architectural decisions.

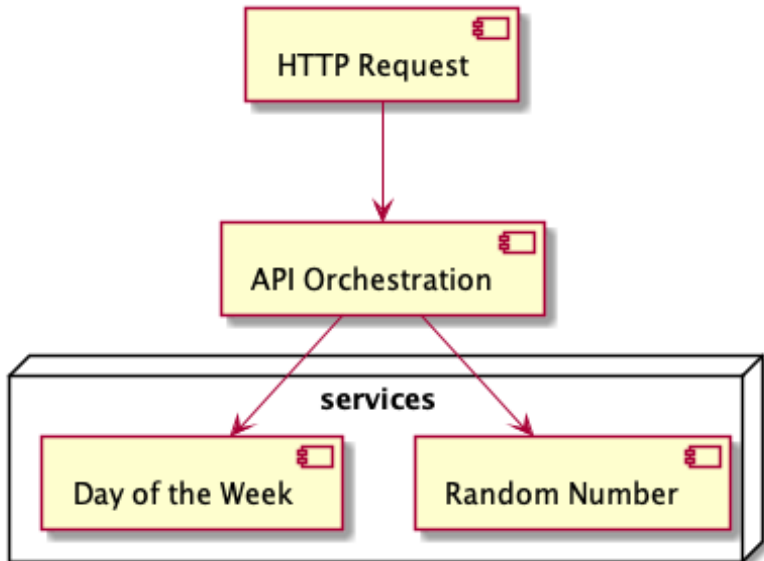
We'd like to expose a simple, coherent API to our users regardless of how we choose to build the service(s) that power our application.

Suppose we have two simple services within our application:

1. Generates a random number between 1 and 10
2. Returns the current day of the week

We can build an API Orchestration layer that provides the capabilities of each of these services by delegating to them in order to generate an API response to our user.

API Orchestration



GraphQL

AWS + API Orchestration

Another Slide

Some content

Another Slide

Some content

More after a pause

A Slide with Code

```
from dataclasses import dataclass
from typing import Any
import boto3
import graphene
import json

def call_lambda(client, function_name, request_payload={}):
    result = client.invoke(
        FunctionName=function_name,
        Payload=json.dumps(request_payload),
    )

    return json.loads(result["Payload"].read())
```

Fin
