

# How to Centralize Access to Microservices Using an API Gateway

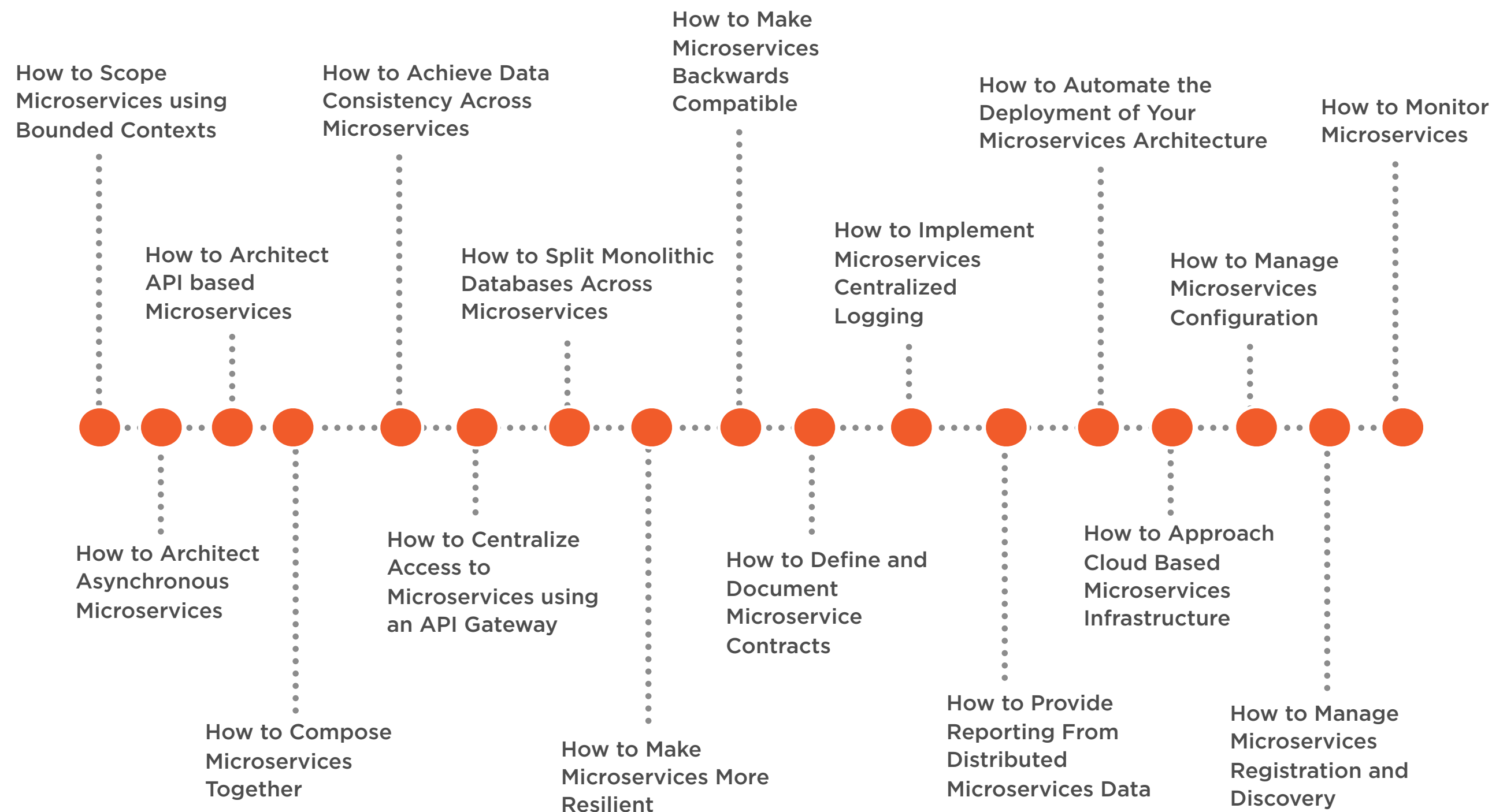
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**Rag Dhiman**

@ragdhiman [www.ragcode.com](http://www.ragcode.com)

# Microservices Architectural Design Patterns Playbook



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## Microservices Architecture

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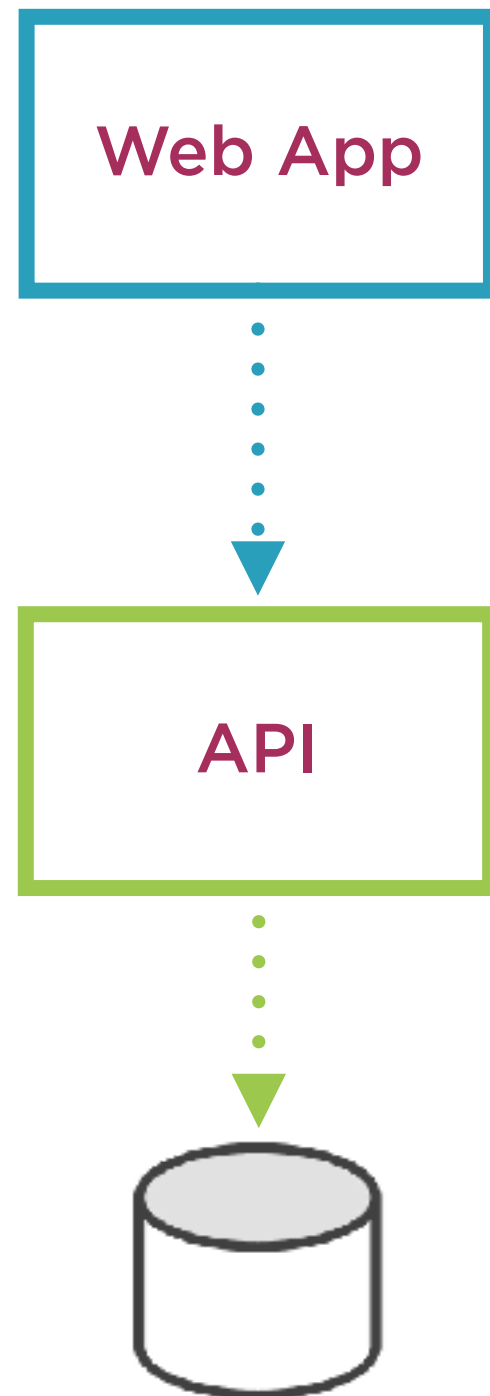
# Overview

**Introduction**

**API Gateway**

**Kong API Gateway**

# Introduction



## **Centralizing access to microservices**

- API Gateway

## **Why?**

- Distributed functionality
- Distributed data
- Distributed security

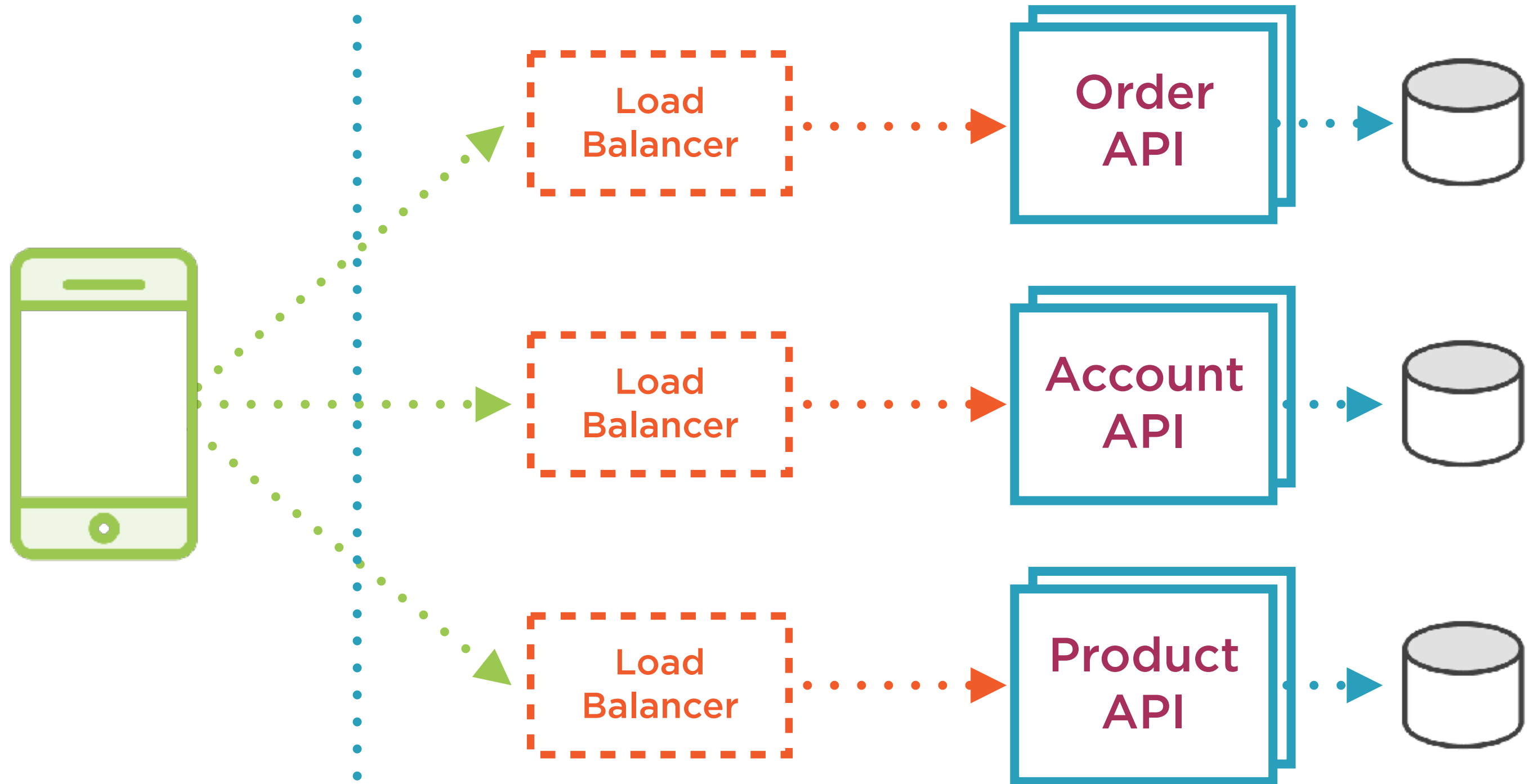
## **Complexity for client applications**

- Consolidating API data
- Consolidating API functionalities
- Managing security

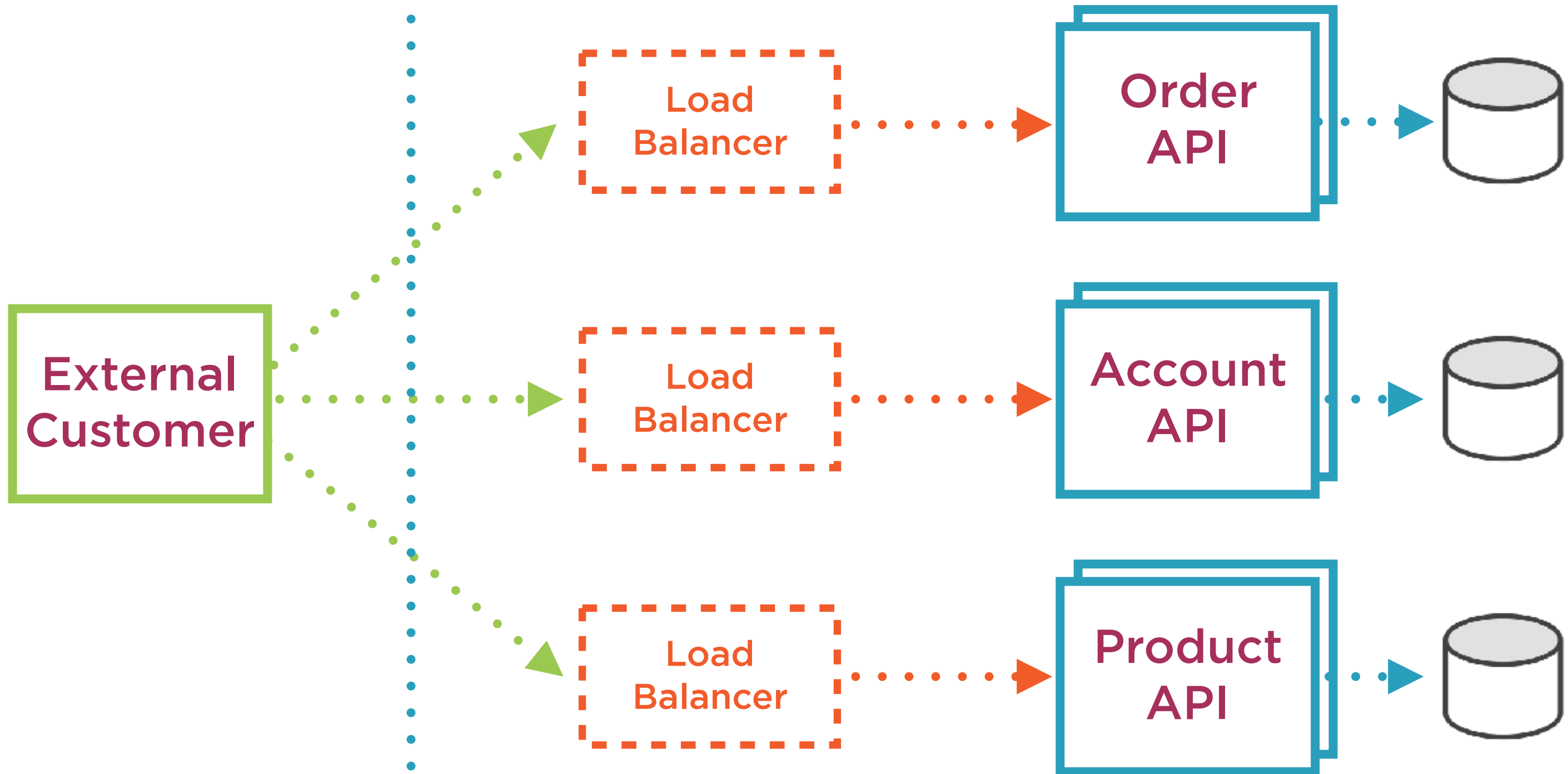
## **Complicated customer experience**

- APIs as a product

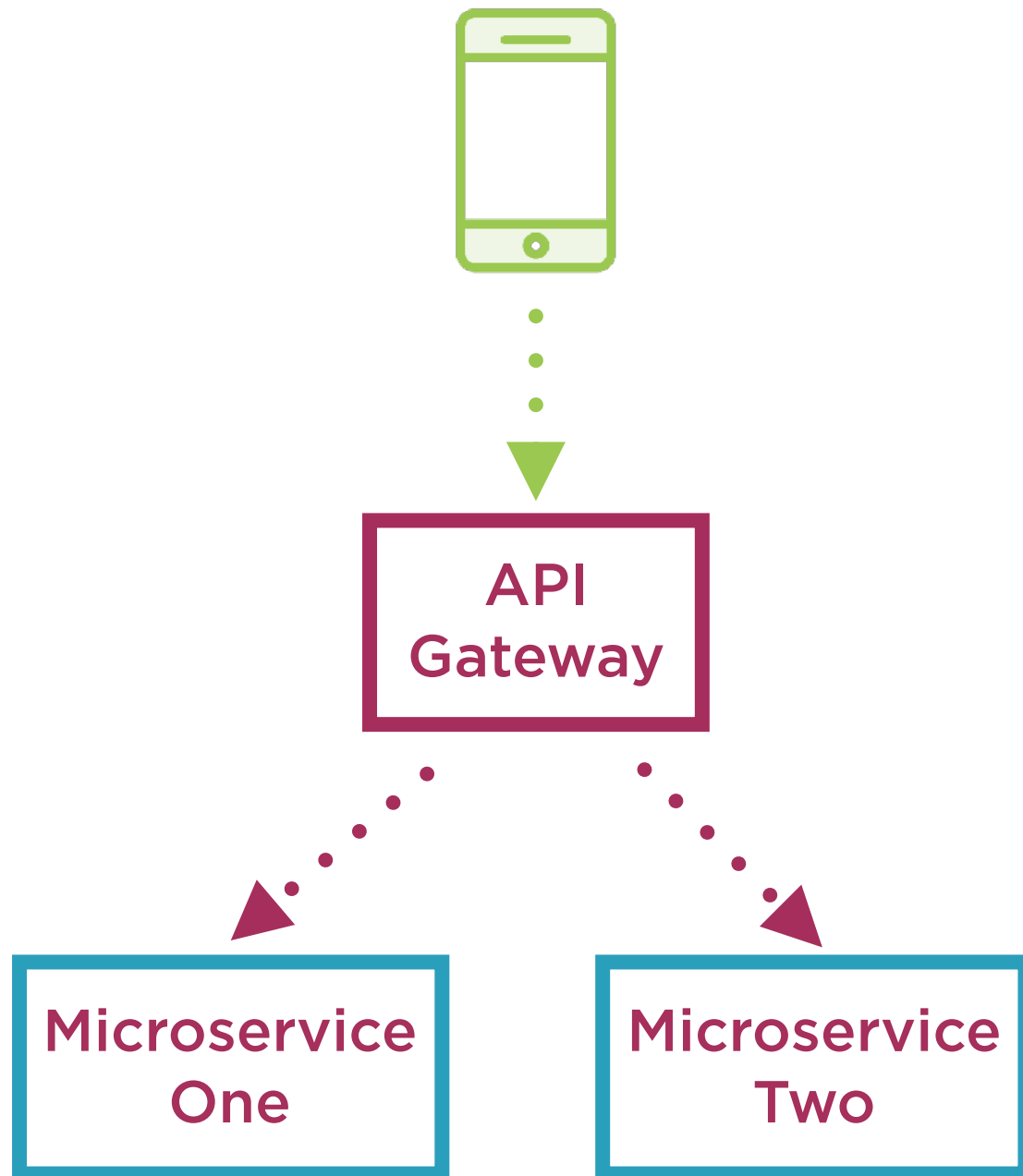
# Mobile Client



# External Customers



# API Gateway



**Component to access APIs**

**An API itself**

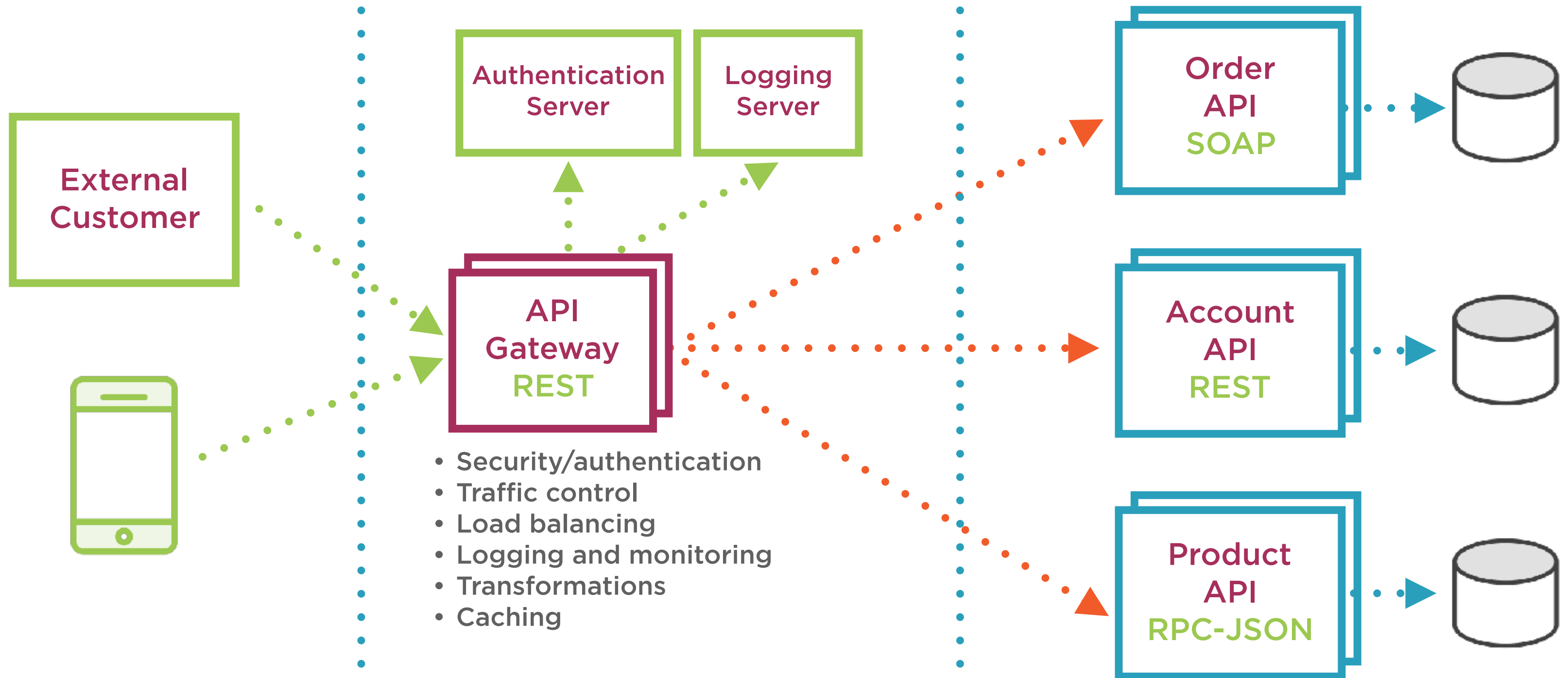
- RESTFul API
- Endpoints

**More than just centralizing access**

- Security/authentication
- Traffic control
- Load balancing
- Logging and monitoring
- Transformations
- Circuit breaker
- Caching



# API Gateway



# Demo

## **Kong API Gateway**

- Dashboard
- Configuration
- Plugins

# Summary

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