



The API Management Experts



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# A New Era of API Management

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Introduction to Federated API Management



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CTO, APIIDA



# APIs are important!

# APIs are important!

They need to be actively  
managed!

# Easy! Deploy a Full Lifecycle API Management!

# A Single, Full Lifecycle API Management is Outdated!

"[...] many of us still see the gateway as just another layer of infrastructure rather than the programmatic commodity baked into the fabric of the enterprise."

Kin Lane (API Evangelist)

"Integration is the new lock-in feature and increasingly across the lifecycle."

Anthony Doerga

"2023 will be the year of Bring-Your-Own-Gateway API Management"

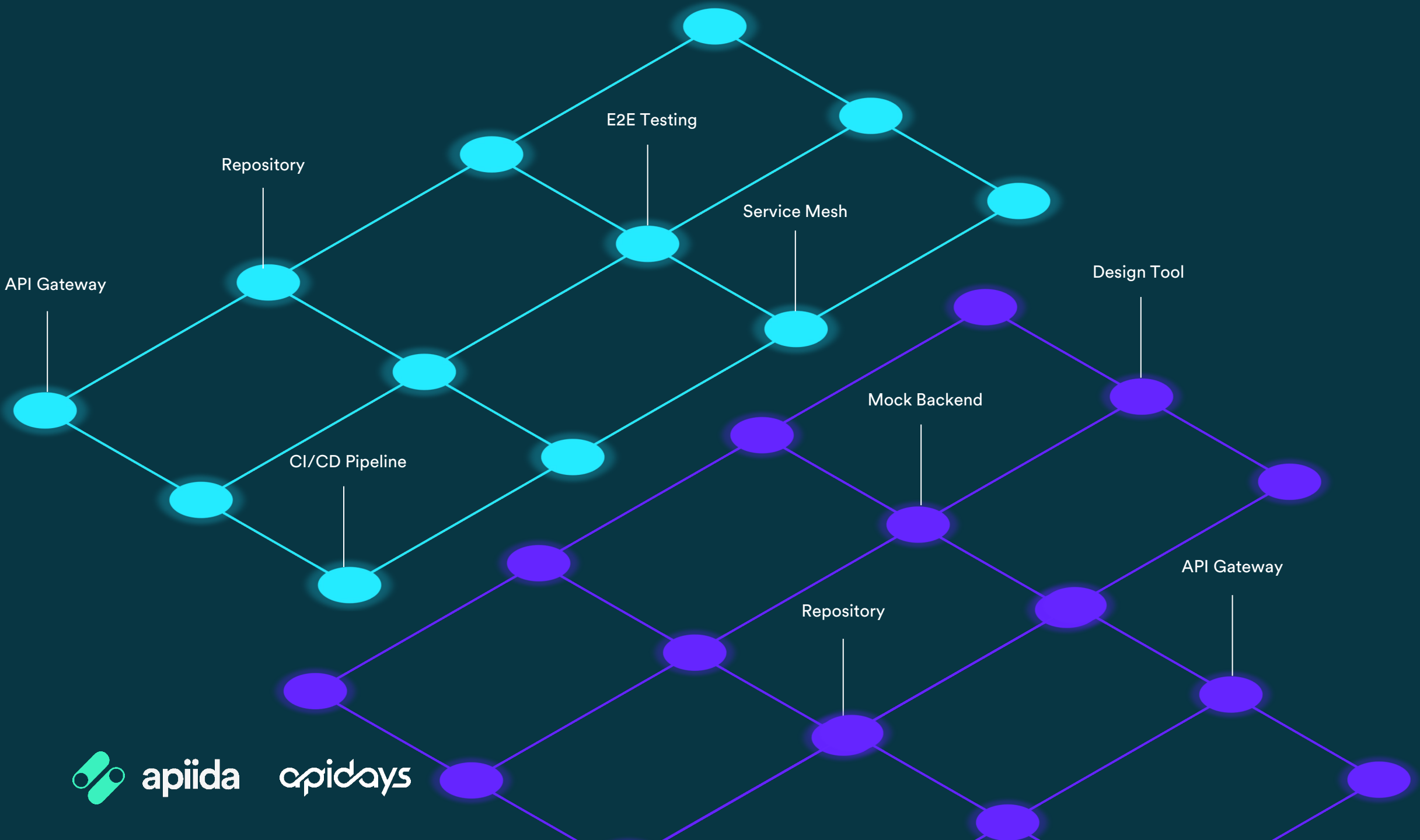
Mark O'Neal (Gartner)

"The industry movement towards tools that can operate gateways may become a reality."

Market Guide for API Gateways

"[...] traditionally more centralized approaches ("centralize what you can, not what you have to") may have to give way to more decentralized strategies ("centralize what you must and decentralize everything else") of thinking about enterprise and IT architecture."

Erik Wilde





# How did this happen?



Rapid Growth of APIs



Multiple Types of APIs



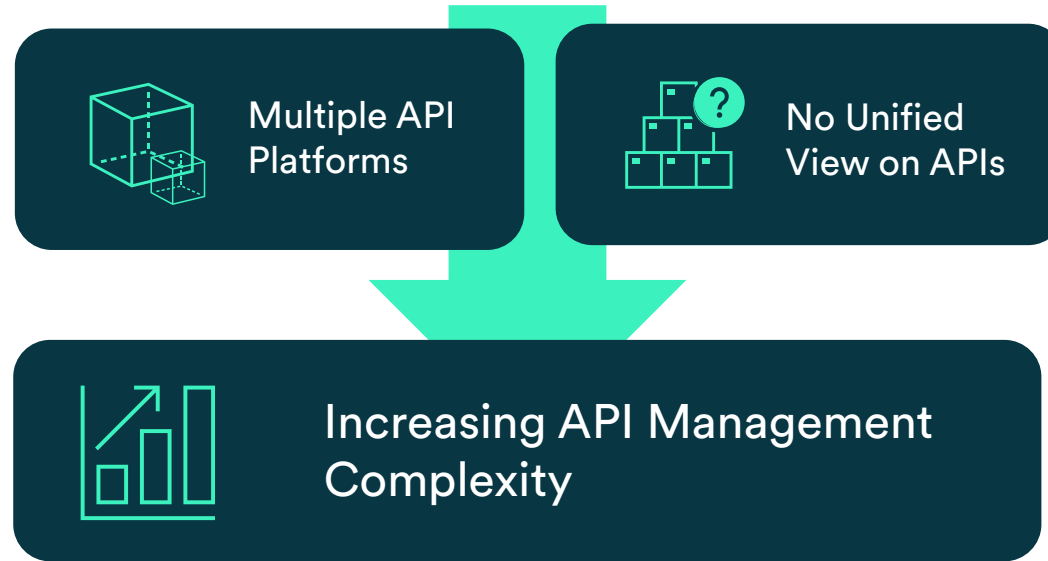
Support for Legacy Systems



Conflicting Requirements



Mergers & Acquisitions



Increased Total Cost of Ownership



Long Time to Market



Difficult to Capture a Complete API Inventory



Increased Need of Training



Difficult to Implement API Security & Compliance



Design

Develop



Tactical / Replacable



**Discover  
Provision  
Secure**

all APIs in the  
Enterprise



**Single Point of Truth**  
Strategic View on all APIs

Gateway

Test



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“Centralize, what you must”

# Benefits

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**Catalog and manage access on any platform.** Provide discoverability, documentation and access to all APIs

- ✓ Increased Adoption
- ✓ Accelerated Time-To-Value
- ✓ Increased Developer Experience



**Drive Innovation**

**Automate APIs on any platform.** Provision, change, and version APIs on any environment

- ✓ Reduced Complexity
- ✓ Improved Productivity
- ✓ Increased Business Velocity



**Reduce Complexity and Cost**

**Manage compliance and protect sensitive data.** Audit and enforce IT security policies on any environment.

- ✓ Reduced Risk of Data Breaches
- ✓ Reduce Data Exposure
- ✓ Easier Security Audits



**Increase Governance and Security**

So, is it just a new tool?

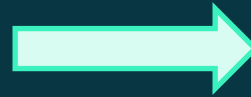
# A Fundamental Change in Perception

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The Role of API Management

## Tactical

Needed from a technological point of view with little effect on the business



## Strategic

Directly impacting the business results and a source of differentiation to the competition

# Federated API Management

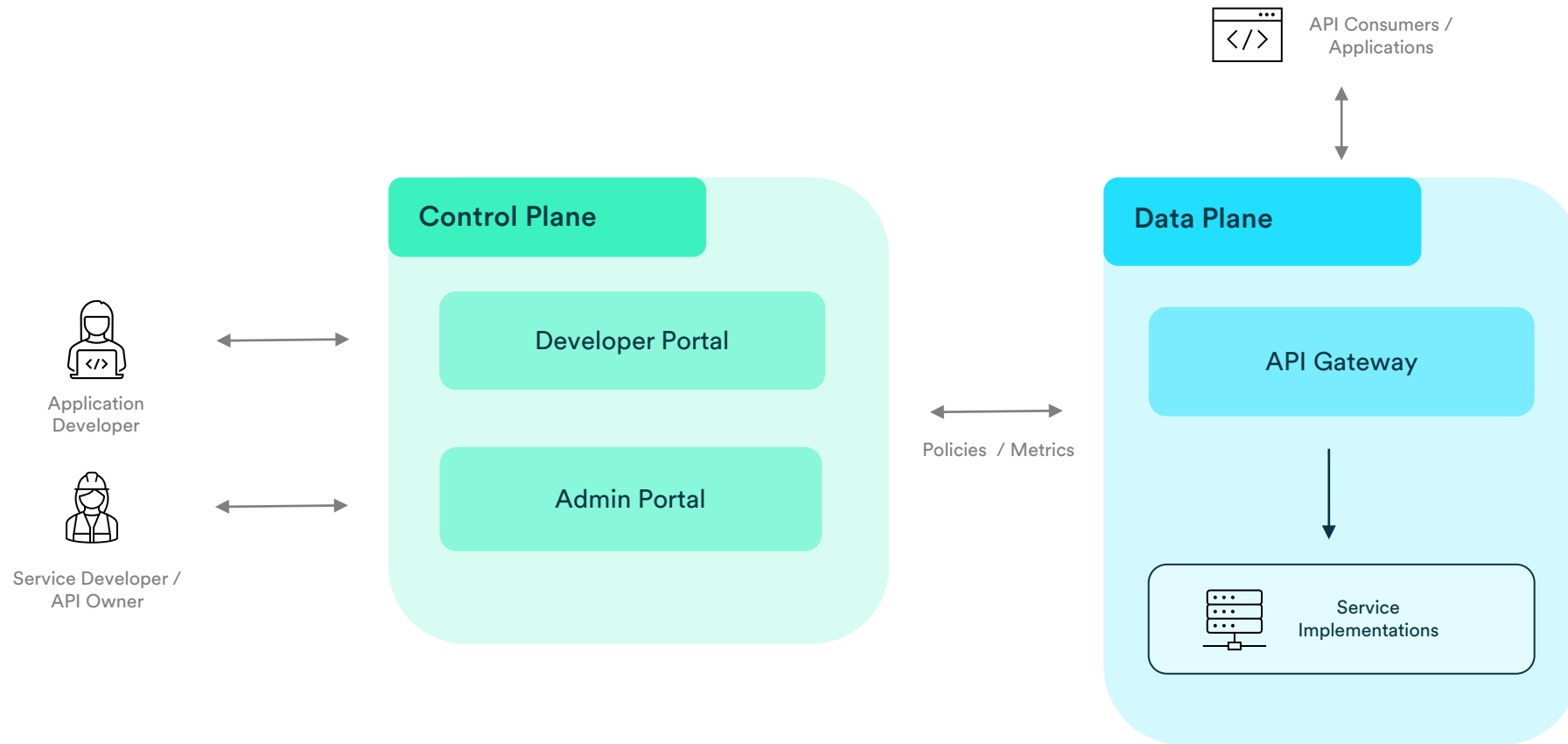
Architecture and Capabilities

# Multi-Plane Architecture

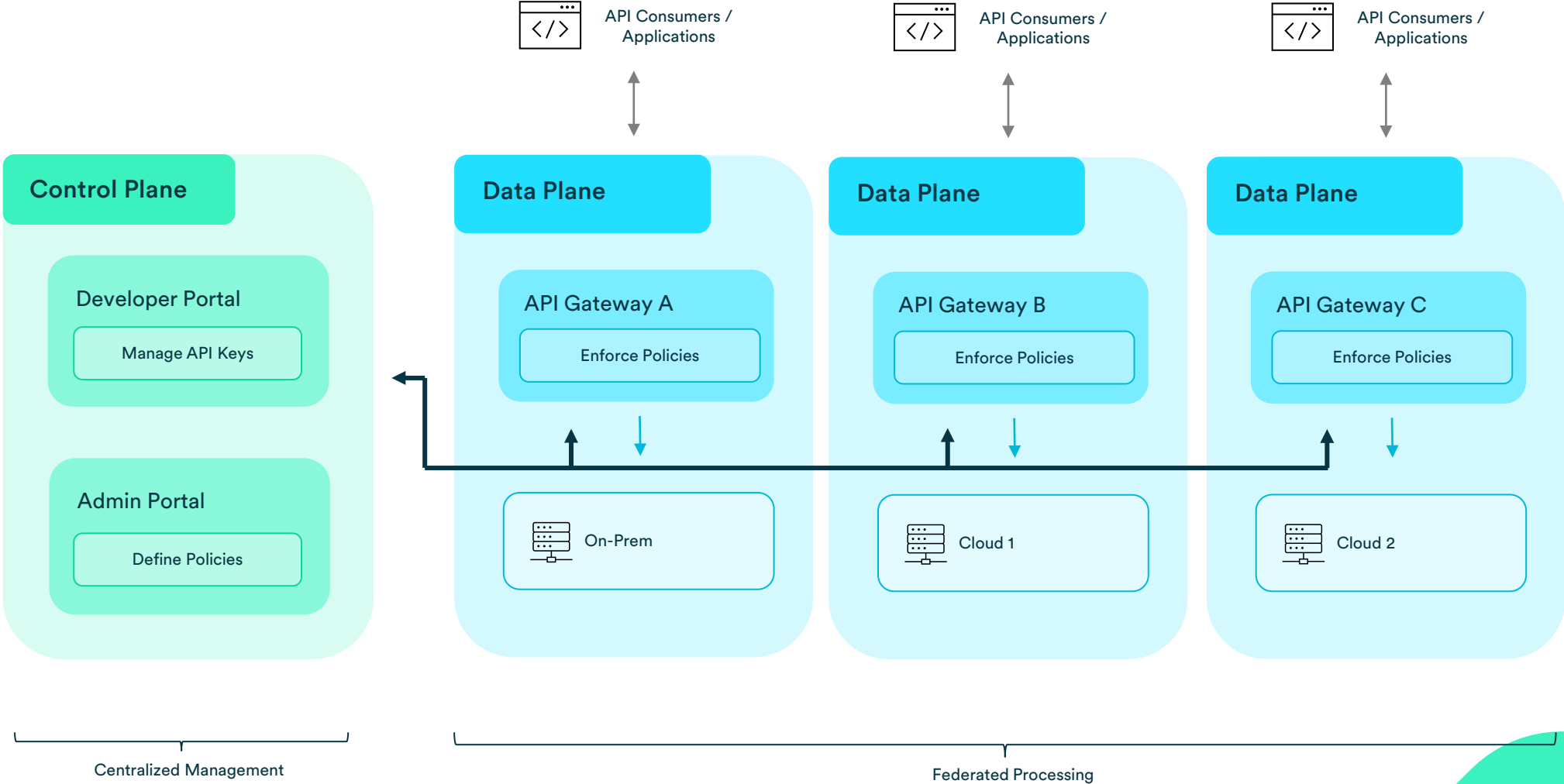




# Multi-Plane APIM Architecture

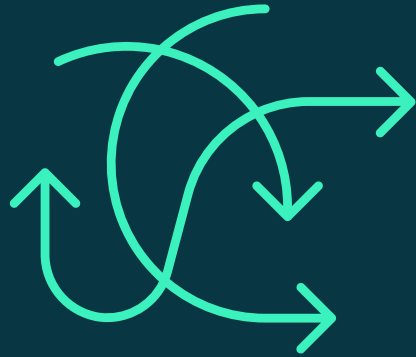


# Introducing Federated API Management

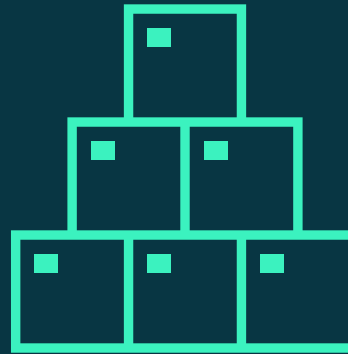


# Capabilities of an API Control Plane

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Discover APIs and  
their specifications



Manage Consuming  
Applications and API Keys

# Capabilities of an API Control Plane

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Provision and Migrate  
APIs



Scan APIs for Security  
and Quality Issues



Translate  
Specifications

# What's in for me?

Benefits of Federated API Management

# Benefits

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All Your APIs in one central location



No Need to Learn All the Details of Every Platform



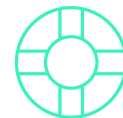
Reduce Time To Value by Supporting Citizen Development and Reusability



Enforce Your Access Policies Across the Board



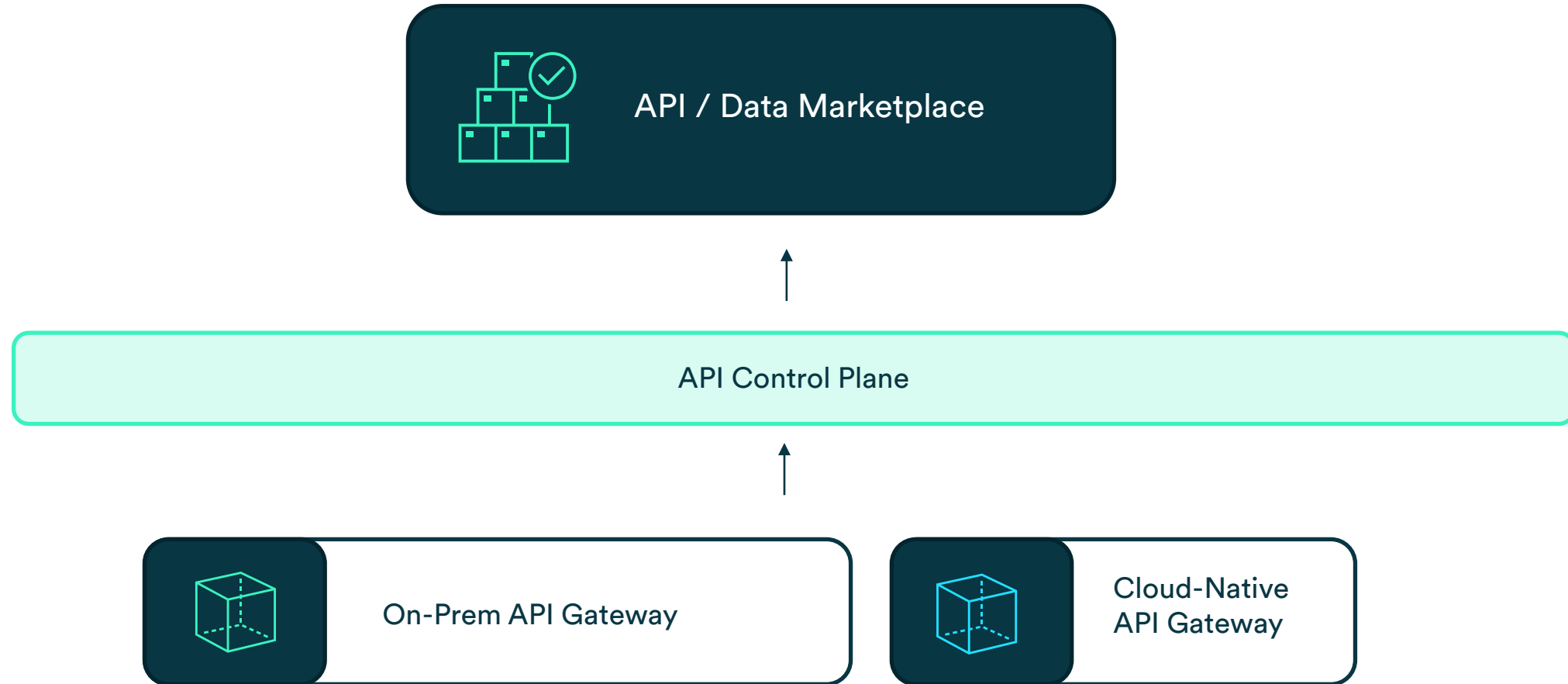
Keep your Teams Happy, as They Can Use Their Preferred Tech Stack



Retrofit Your Existing API solutions

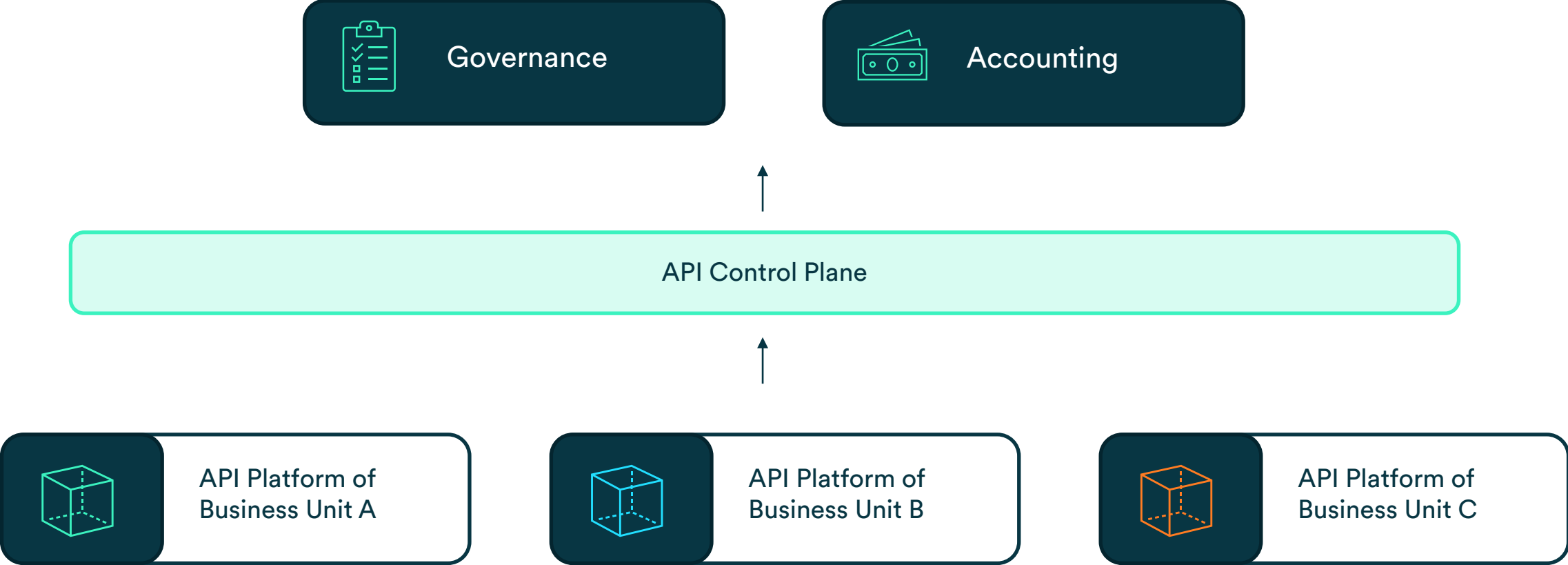
# Is Federated API Management for you?

# Multi-Cloud / Hybrid Environments





# Group Structures



# Wrap-Up

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API Management is changing! The maturity and the ability to execute in this domain will become a competitive differentiator.



Federated API Management is the architectural pattern that does solve the upcoming challenges and enables benefits you can leverage.



The control plane is the most important component in Federated API Management!

**We will be looking at an actual example later today!**



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# Example: Citizen Development

