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The API Management Experts

Managing Open Banking API Environments

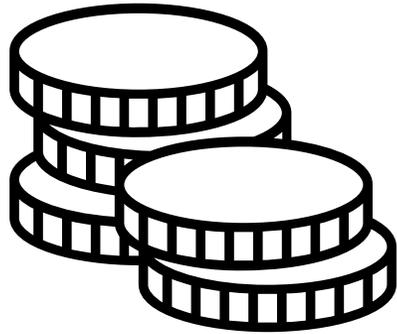Workshop @ apidays Dubai

Markus Müller
Chief Technology Officer

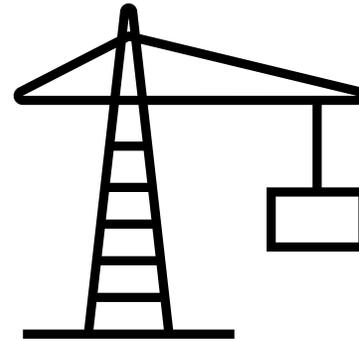Maurizio Garzelli
Chief Solution Architect

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Implementing Open Banking

Build or Buy

- A lot of offerings are available in the market
- Might be tough to adapt to your situation

- Can be tailored to your needs
- Is software development really a core competency of yours?

Challenge when buying

- Ready to use Open Banking solutions need to be attached to your core banking systems
- They often bring their own API layer

How do you integrate this new API layer into your existing landscape?

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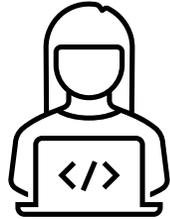# The example for this session
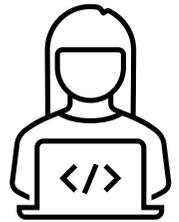
Developer

?

Open Banking APIs

Existing APIs

?

Operations

Why does it matter?

Developer

- Your internal architecture should not be of concern for external developers
- A great Developer Experience (DX) results in great Customer Experiences (CX)

Operations

- Eliminating sources of human error
- Streamlining processes and workflows across environments
- Should work on expanding and improving the platform instead of day2day ops and troubleshooting

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Agenda

1. A closer look at APIIDA Open Banking Solution Pack

2. Short recap of Federated API Management

3. Overview at APIIDA API Control Plane

4. Demonstration

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APIIDA
Open Banking Toolkit

What it provides

Flexible compliance to OpenBanking standard.

Consent and paymentID management

Internal services for authorisation and consent management
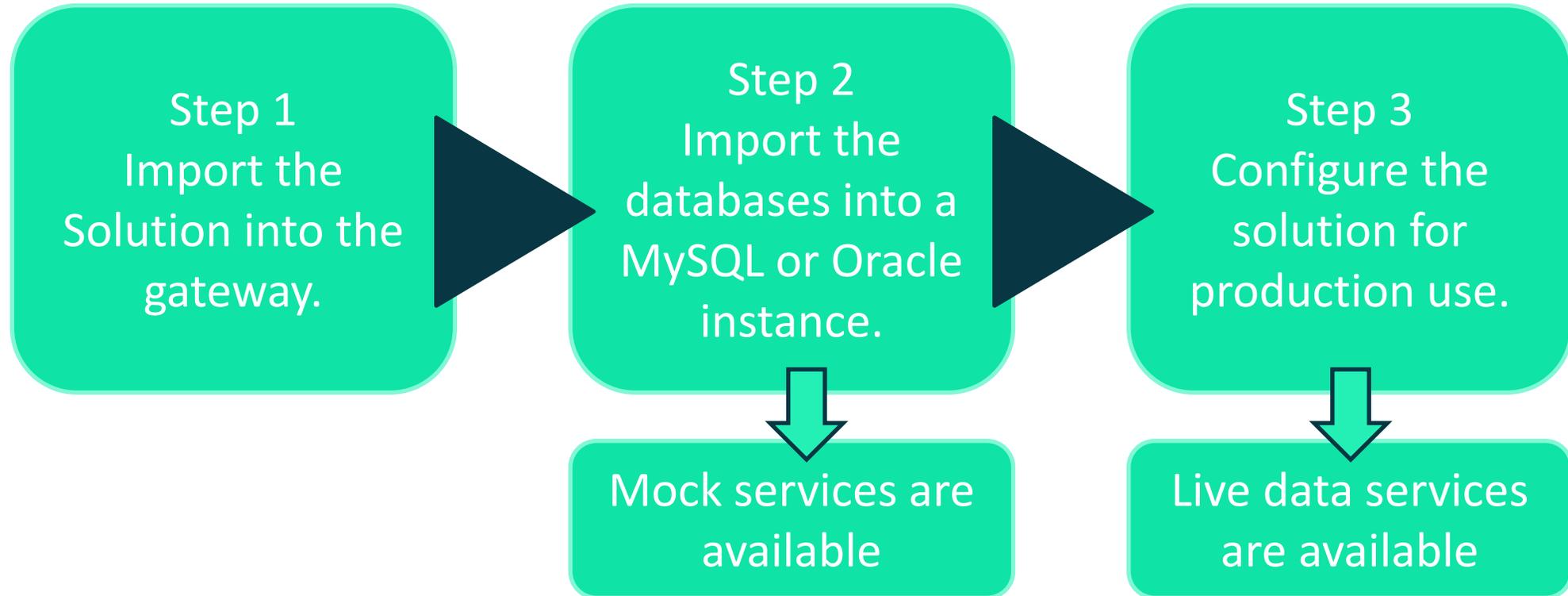
Out of the box mock data

Configurable modules for backend integration

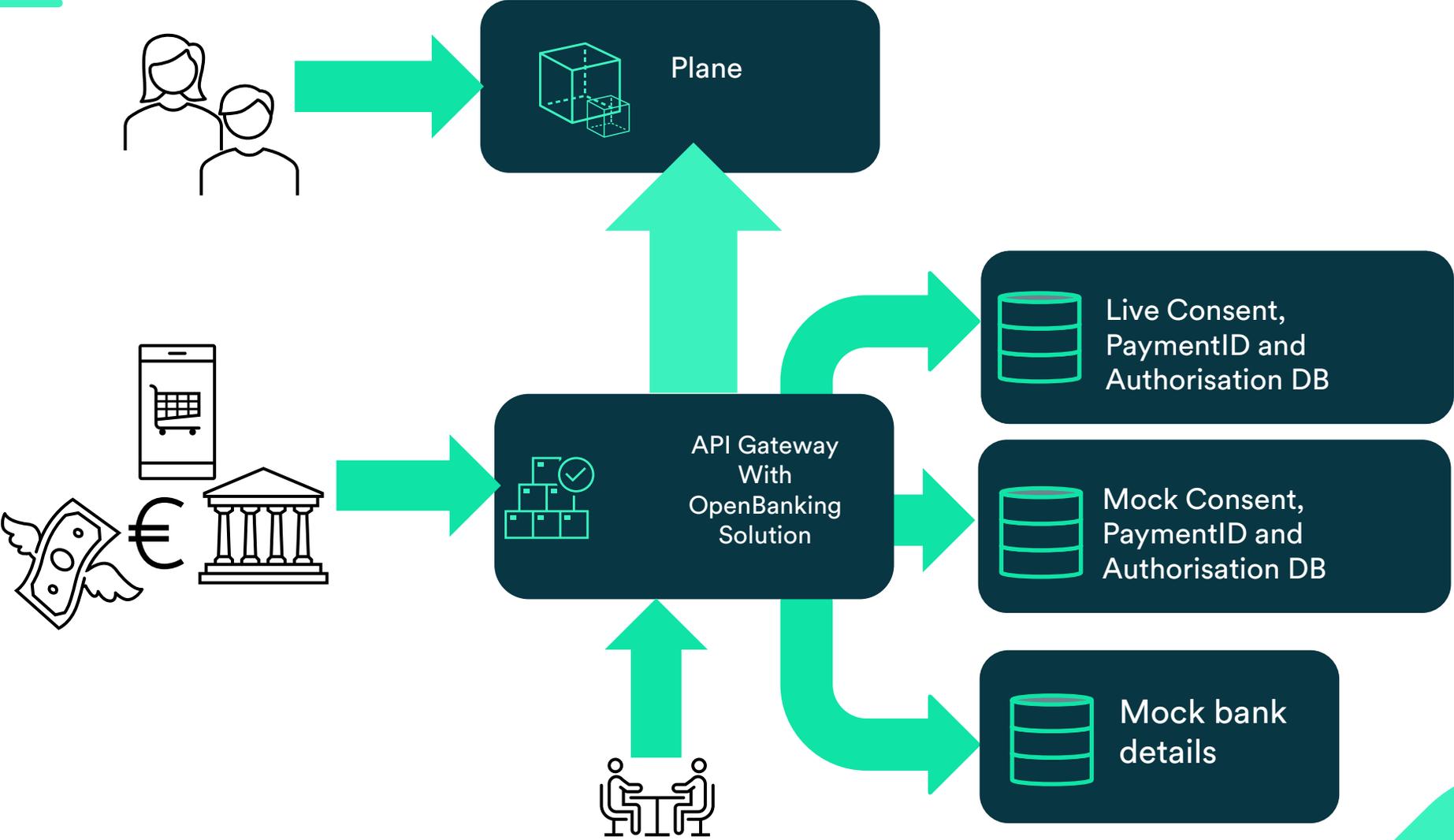Integration with authentication standards

The Solution

- Easily installable and configurable
    - Installable in 3 steps
    - Configurable via environment variables
- Extensible and Customisable
    - Services and tools can be added
    - Stubs for plugging into
- Upgradable and portable
    - Built to integrate with API lifecycle management in mind

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As easy as 1-2-3

Step 1
Import the Solution into the gateway.

Step 2
Import the databases into a MySQL or Oracle instance.

Step 3
Configure the solution for production use.

Mock services are available

Live data services are available

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Quick overview

Plane

API Gateway
With
OpenBanking
Solution

Live Consent,
PaymentID and
Authorisation DB

Mock Consent,
PaymentID and
Authorisation DB

Mock bank
details

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Federated API Management

A Short Recap

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A Single, Full Lifecycle
API Management
is Outdated!

Does Federated APIM solve the challenges?
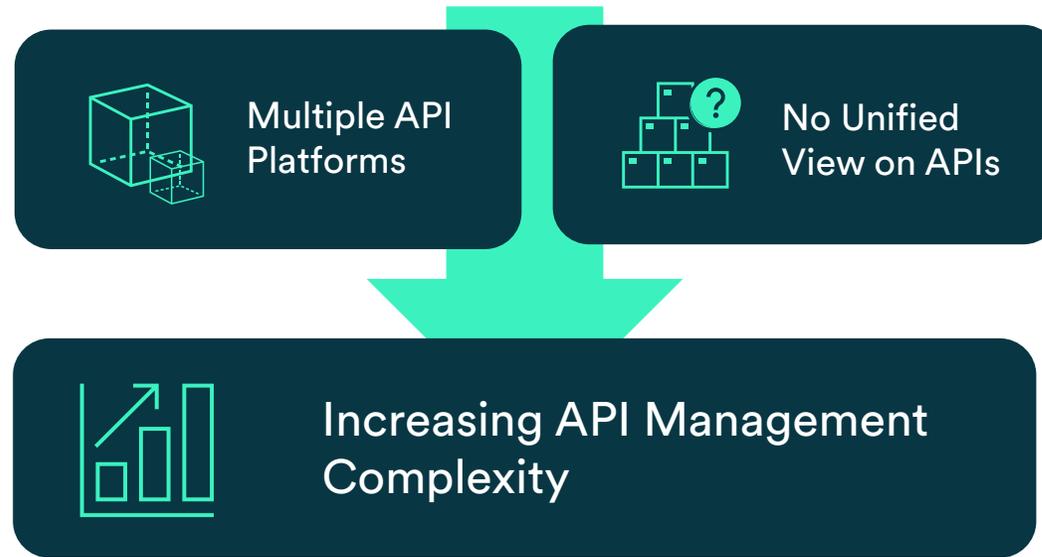
Rapid Growth of APIs

Multiple Types of APIs

Support for Legacy Systems

Conflicting Requirements

Mergers & Accquisitions

Multiple API Platforms

No Unified View on APIs

Increasing API Management Complexity

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

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Design

Develop

Discover
Provision
Secure

all APIs in the
Enterprise

Gateway

Test

Tactical / Replacable

Single Point of Truth
Strategic View on all APIs

Tactical / Replacable

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Benefits

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

⬇

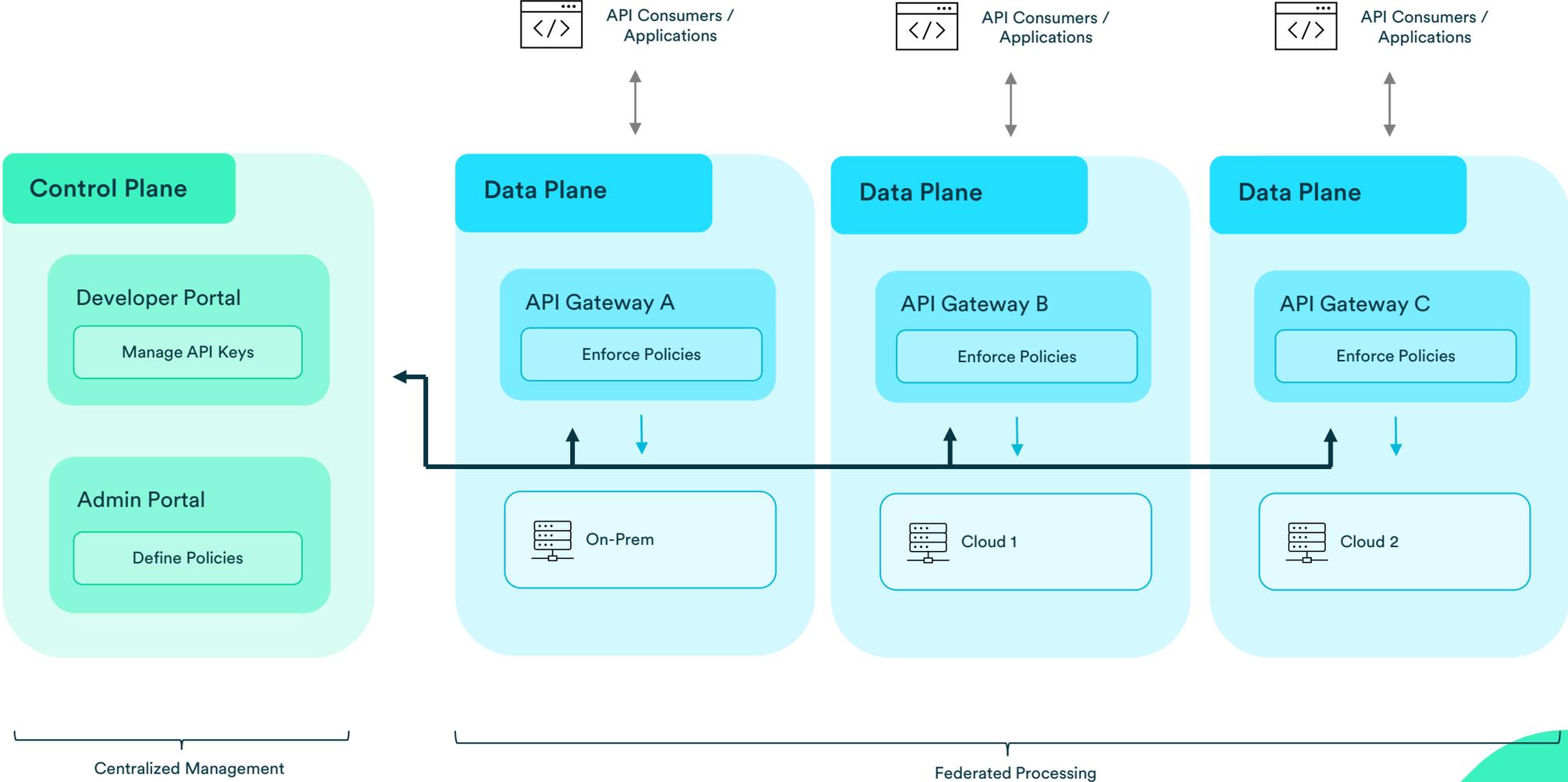## Reduce Complexity and Cost

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

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Introducing Federated API Management

Control Plane

Developer Portal
- Manage API Keys

Admin Portal
- Define Policies

API Consumers / Applications

Data Plane

API Gateway A
- Enforce Policies

On-Prem

API Consumers / Applications

Data Plane

API Gateway B
- Enforce Policies

Cloud 1

API Consumers / Applications

Data Plane

API Gateway C
- Enforce Policies

Cloud 2

Centralized Management

Federated Processing

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APIIDA
API Control Plane

Overview

APIIDA

API Control Plane

Enabling Companies to Unleash the Power of Federated API Management

All Your APIs in one central location

Reduce Time To Value by Supporting Citizen Development and Reusability

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

No Need to Learn All the Details of Every Platform

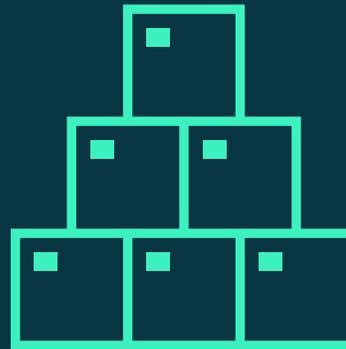Enforce Your Access Policies Across the Board
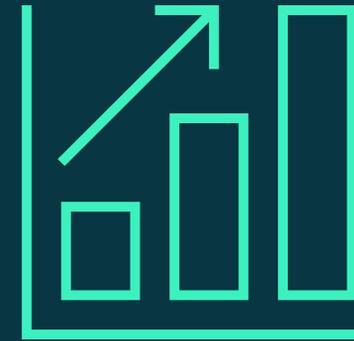
Retrofit Your Existing API solutions

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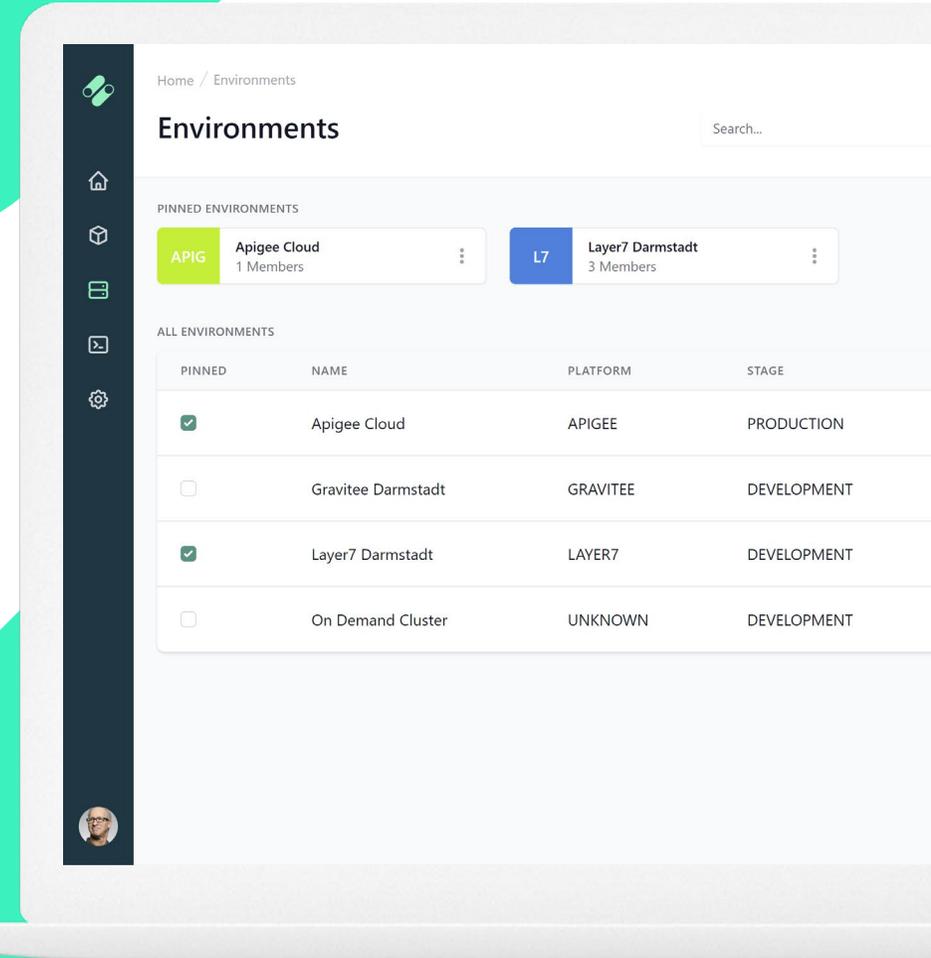
Capabilites of API Control Plane
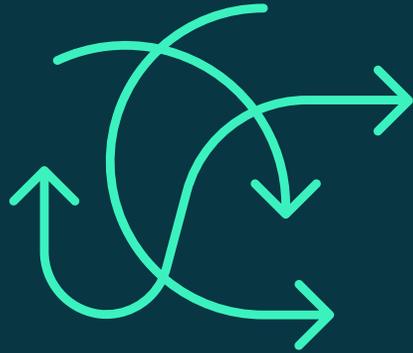
Discover APIs and
their specifications

Manage Consuming
Applications and API Keys

Gather Analytics
Data

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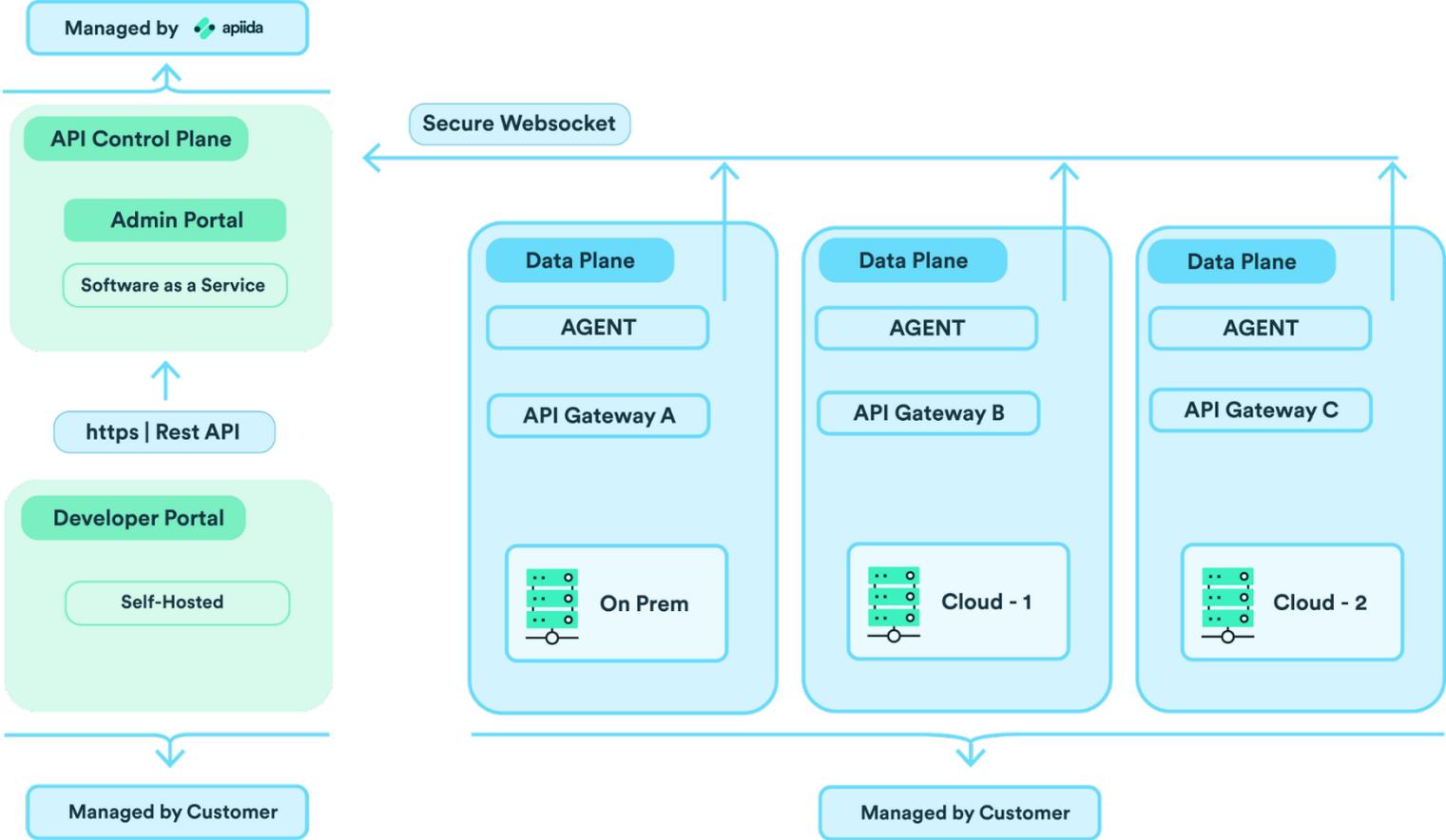# Capabilites of API Control Plane

Provision and Migrate APIs

Scan APIs for Security and Quality Issues

Translate Specifications

Architecture

Managed by apiida

API Control Plane

Admin Portal

Software as a Service

https | Rest API

Developer Portal

Self-Hosted

Managed by Customer

Secure Websocket

Data Plane

AGENT

API Gateway A

On Prem

Data Plane

AGENT

API Gateway B

Cloud - 1

Data Plane

AGENT

API Gateway C

Cloud - 2

Managed by Customer

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APIIDA
API Control Plane

Demonstration

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Wrap Up

Wrap-Up

Always use the right tool for the job! Building it all on your own might not be the best solution to implement Open Banking within your organization.

Implement Federated API Management to easily integrate new offerings into your existing API infrastructure.

A good, seamless Developer Experience is key for offerings that are fast to market and offer a stellar Customer Experience to your customers!

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