

A hand holding a pencil is positioned at the top center of the frame, poised to write on a large, blank white sheet of paper that dominates the upper half of the image. The background is a light gray surface. In the bottom left corner, a portion of a black laptop keyboard is visible. In the bottom right corner, a spiral-bound notebook with a grid pattern is open. The overall scene suggests a workspace for development or documentation.

# **FILE NEW:**

**PRAIRIE  
DEV CON**

## **Build a Fully-Managed and Documented API**

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EXCELLENCE IN RECRUITMENT

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# Who is Chad Green?

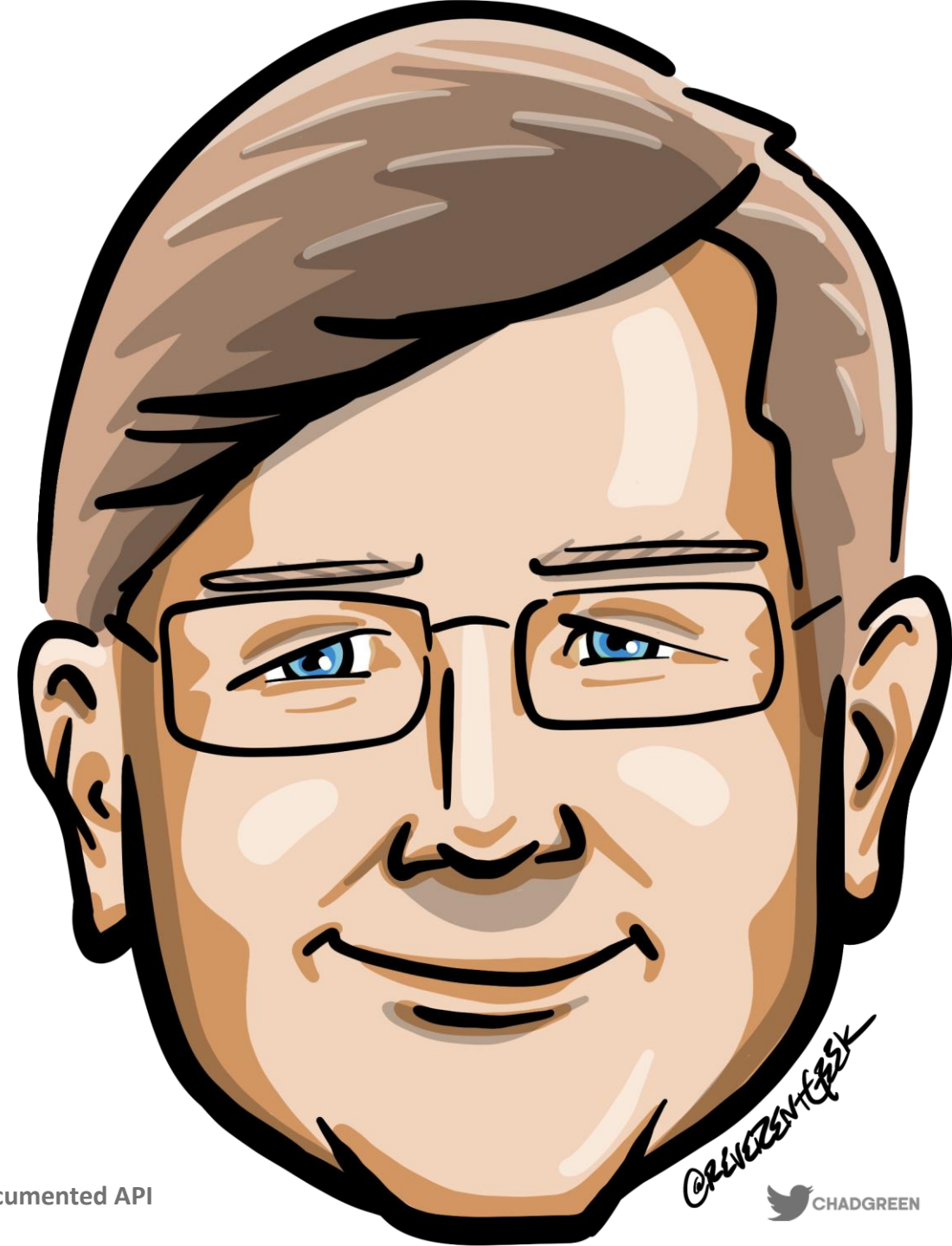
✉ chadgreen@chadgreen.com

💬 TaleLearnCode

🌐 ChadGreen.com

🐦 ChadGreen & TaleLearnCode

📌 ChadwickEGreen



# Public Service Announcement







# Listen to your body





Listen to your body

# API Management Basics (Not Azure API Management Basics)

File New: Build a Fully-Managed and Documented API



# What's the problem?

# What's the problem?





# What's the problem?



# What's the problem?





# What's the problem?



# What's the problem?





# What's the problem?



# What is API Management?

# What is API Management?

**Creating**  
API Connections

**Publishing**  
API Connections

**Managing**  
API Connections



# What is API Management?

**Creating**  
API Connections

**Publishing**  
API Connections

**Managing**  
API Connections

# What is API Management?

**Creating and  
Publishing APIs**

**Enforcing Usage  
Policies**

**Controlling Access**

**Nurturing Developer  
Community**

**Tracking Usage**

**Performance  
Reporting**

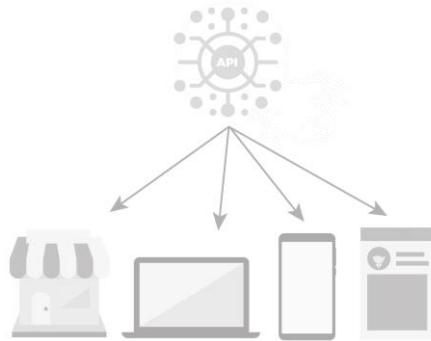
# API Management Use Cases



# API Management Use Cases



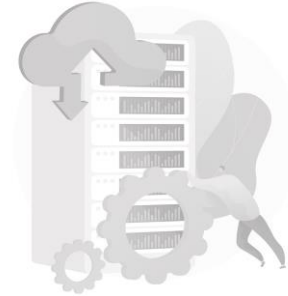
API Integration



Multi-Channel  
User Experiences



B2B Integration



Data as a Service

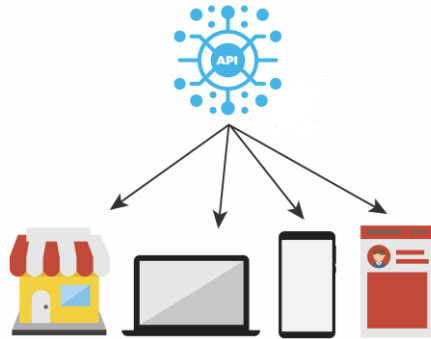


## API Integration

# API Management Use Cases



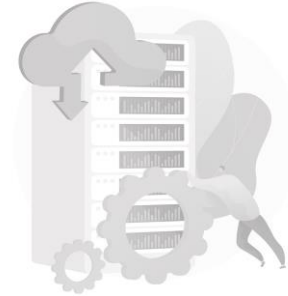
API Integration



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Data as a Service



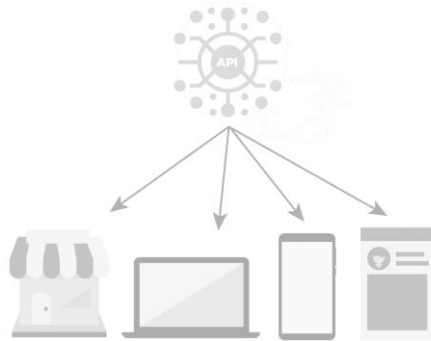
Unlocking  
Legacy Assets

## Multi-Channel User Experiences

# API Management Use Cases



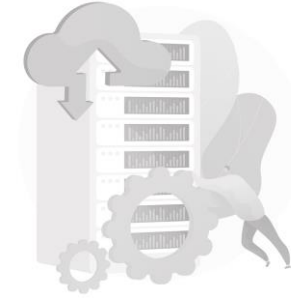
API Integration



Multi-Channel  
User Experiences



B2B Integration



Data as a Service

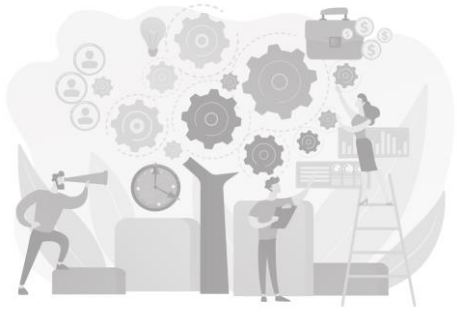


Unlocking  
Legacy Assets

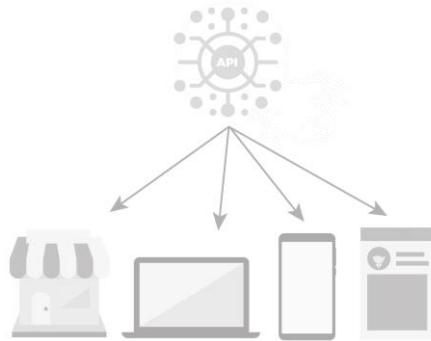
## B2B Integration



# API Management Use Cases



API Integration



Multi-Channel  
User Experiences



B2B Integration



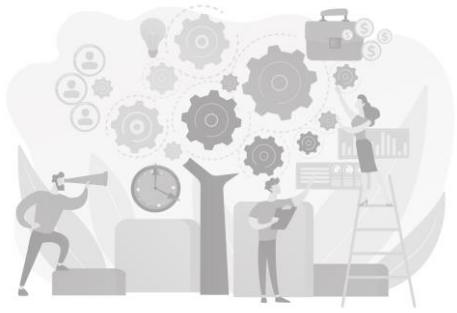
Data as a Service



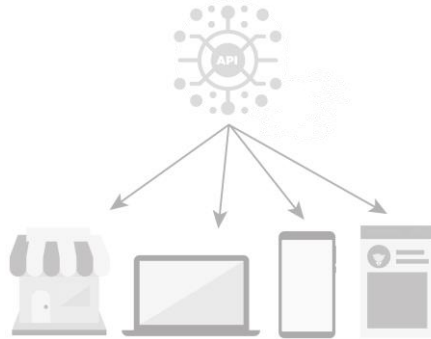
Unlocking  
Legacy Assets

## Data as a Service

# API Management Use Cases



API Integration



Multi-Channel  
User Experiences



B2B Integration



Data as a Service



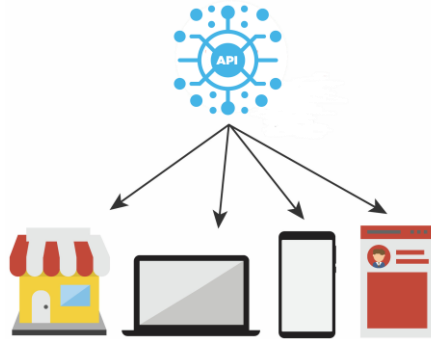
Unlocking  
Legacy Assets

## Unlocking Legacy Assets

# API Management Use Cases



API Integration



Multi-Channel  
User Experiences



B2B Integration



Data as a Service



Unlocking  
Legacy Assets



# API Management Marketplace

File New: Build a Fully-Managed and Documented API

# API Management Offerings

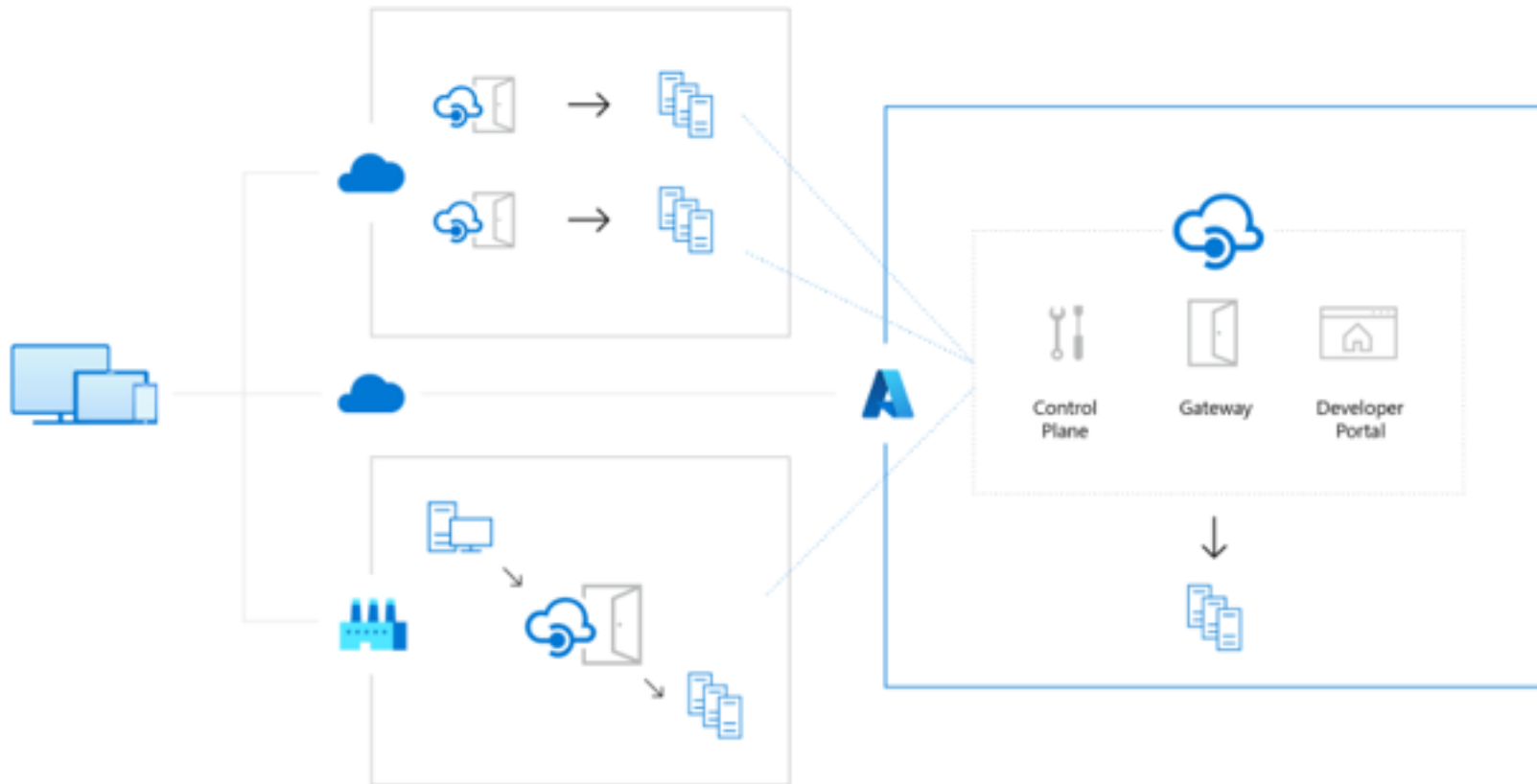




# Azure API Management

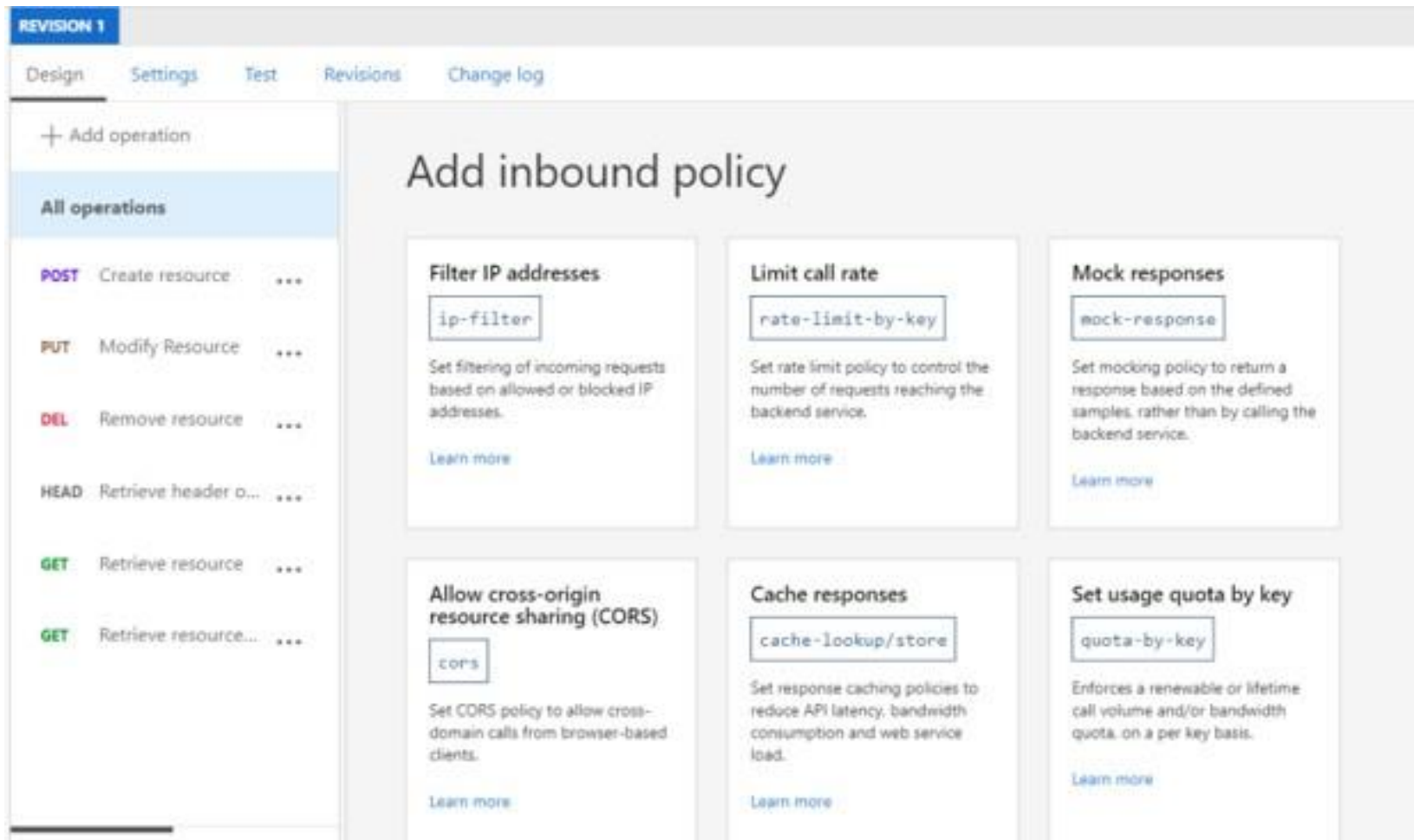
Publish APIs to developers, partners, and employees securely and at scale

# Manage APIs across clouds and on-premises

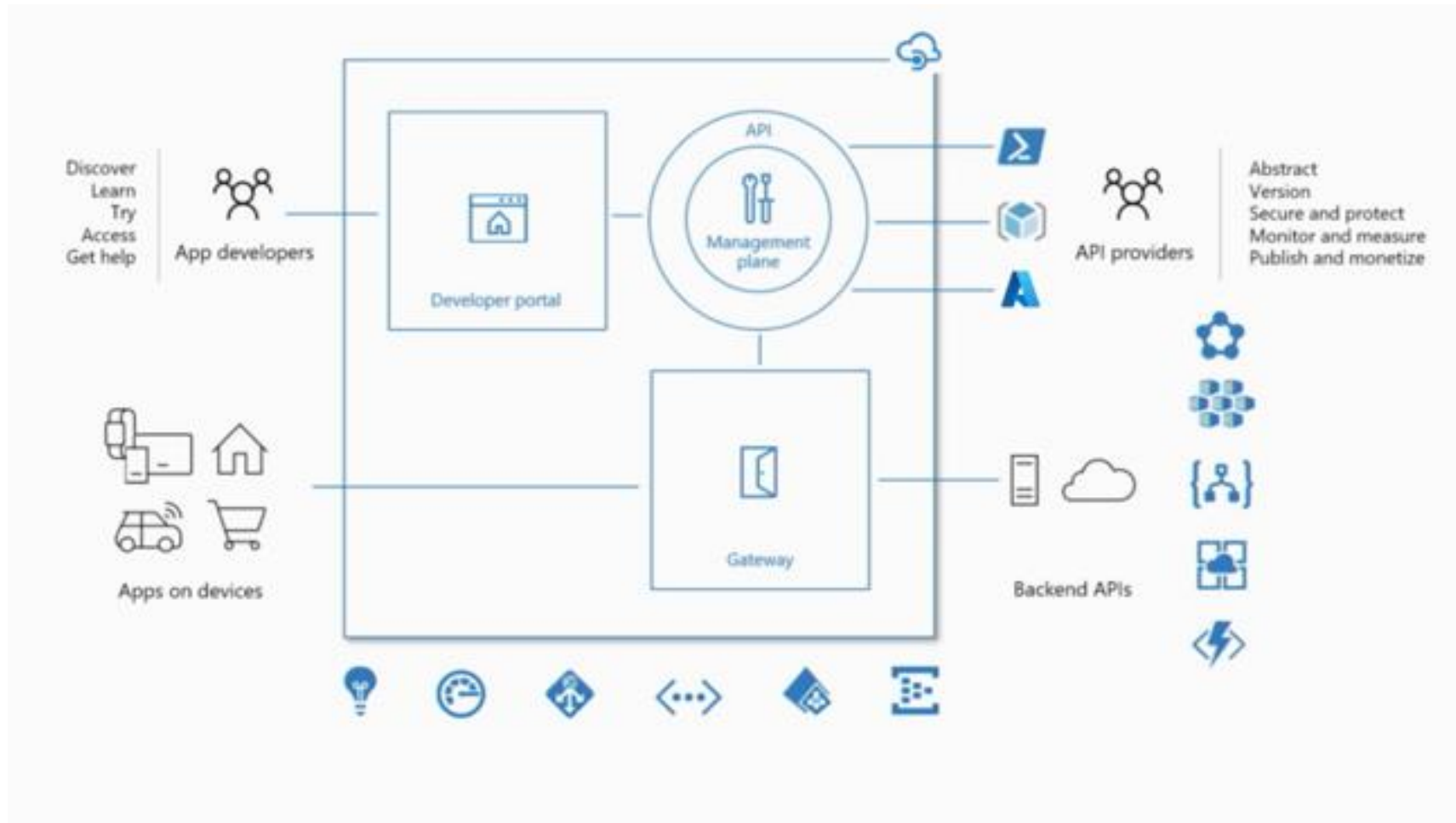




# Protect your resources



# Accelerate your business



# Improve API discoverability

The screenshot displays the Swagger UI for an API named 'contoso'. The main section is titled 'Echo API' and features a 'Retrieve resource' endpoint. The endpoint description states: 'A demonstration of a GET call on a sample resource. It is handled by an "echo" ba are being returned as received)'. Below this, a 'Request' tab shows a 'Response 200' and a 'GET' request to 'https://mibudz-portal.developer.azure-api.net/echo/resource'. The right-hand panel provides details for the 'Retrieve resource' endpoint, including parameters (id: 1), headers (Content-Type: application/json), and the raw HTTP request: 'GET https://api.contoso.com/echo/resource?id=1' with headers 'Content-Type: application/json' and 'Ocp-Apim-Trace: true'.

contoso

- POST Create resource
- PUT Modify Resource
- DEL Remove resource
- HEAD Retrieve header only
- GET Retrieve resource**
- GET Retrieve resource (cached)

## Echo API

### Retrieve resource

A demonstration of a GET call on a sample resource. It is handled by an "echo" ba are being returned as received).

Request	Response 200
GET https://mibudz-portal.developer.azure-api.net/echo/resource	

Echo API / Original / Retrieve resource

GET /resource

Parameters

id	1

Headers

Content-Type	application/json

HTTP Curl C# Java JavaScript P

### HTTP request

```
GET https://api.contoso.com/echo/resource?id=1

Content-Type: application/json
Ocp-Apim-Trace: true
```

# Transform existing services

The screenshot displays the Swagger UI for the 'contoso' API. On the left, a sidebar lists several endpoints: POST Create resource, PUT Modify Resource, DEL Remove resource, HEAD Retrieve header only, GET Retrieve resource (highlighted), and GET Retrieve resource (cached). The main area shows the 'Echo API' details for the 'Retrieve resource' endpoint. It includes a description: 'A demonstration of a GET call on a sample resource. It is handled by an "echo" ba are being returned as received)'. Below this, a 'Request' tab shows a GET request to 'https://mibudz-portal.developer.azure-api.net/echo/resource'. A 'Response' tab shows a 'Response 200'. On the right, a detailed view of the endpoint shows the method 'GET /resource', a parameter 'id' with value '1', and a header 'Content-Type' with value 'application/json'. At the bottom right, a section titled 'HTTP request' shows the full request: 'GET https://api.contoso.com/echo/resource?id=1' with headers 'Content-Type: application/json' and 'Ocp-Apim-Trace: true'.

contoso

POST Create resource

PUT Modify Resource

DEL Remove resource

HEAD Retrieve header only

GET Retrieve resource

GET Retrieve resource (cached)

## Echo API

### Retrieve resource

A demonstration of a GET call on a sample resource. It is handled by an "echo" ba are being returned as received).

Request Response 200

GET https://mibudz-portal.developer.azure-api.net/echo/resource

Echo API / Original / Retrieve resource

GET /resource

Parameters

id 1

Headers

Content-Type application/json

HTTP Curl C# Java JavaScript P

#### HTTP request

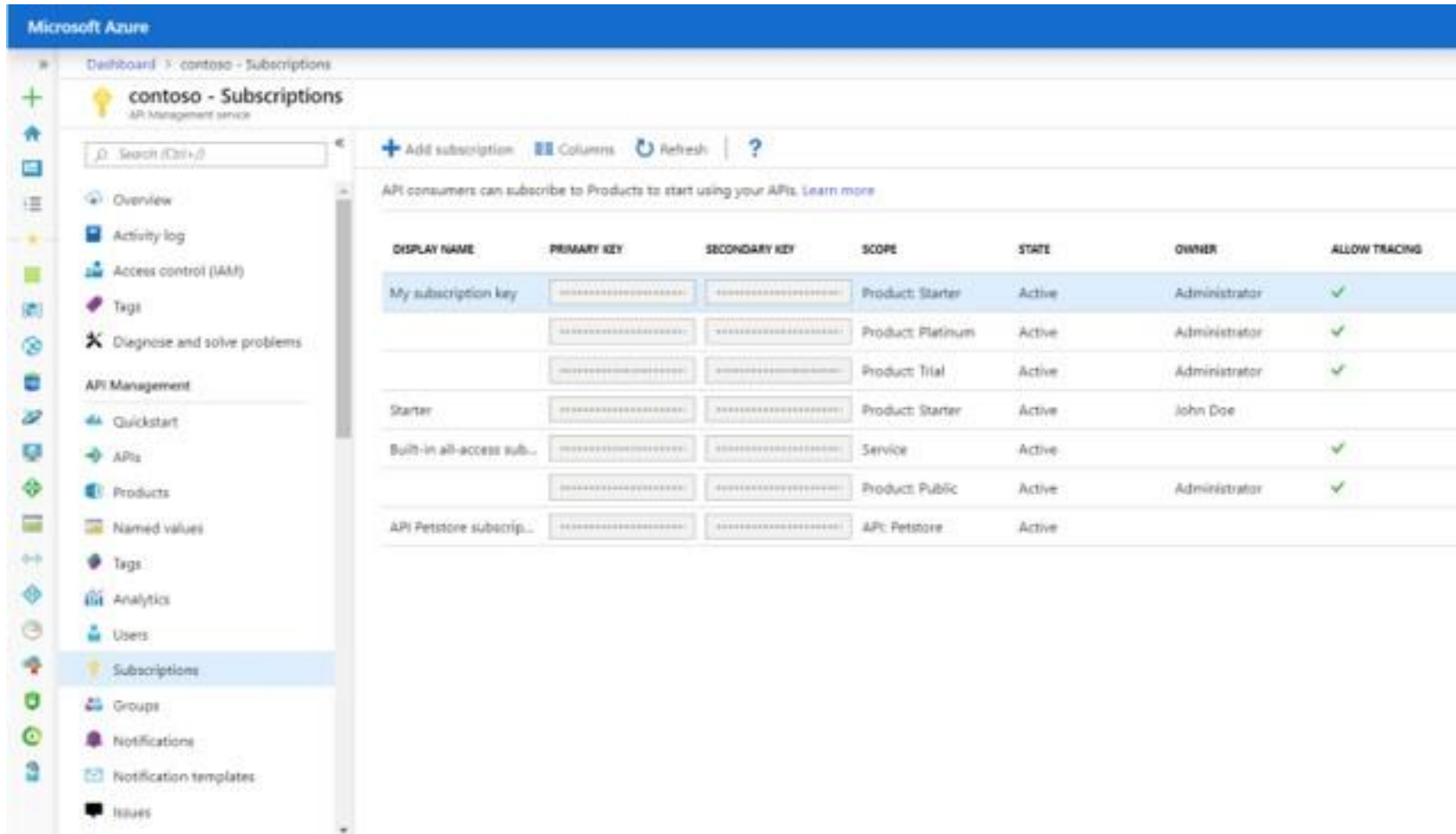
GET https://api.contoso.com/echo/resource?id=1

Content-Type: application/json

Ocp-Apim-Trace: true



# Secure your APIs



Microsoft Azure

Dashboard > contoso - Subscriptions

contoso - Subscriptions  
API Management service

+ Add subscription Columns Refresh ?

API consumers can subscribe to Products to start using your APIs. [Learn more](#)

DISPLAY NAME	PRIMARY KEY	SECONDARY KEY	SCOPE	STATE	OWNER	ALLOW TRACING
My subscription key	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Product: Starter	Active	Administrator	✓
	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Product: Platinum	Active	Administrator	✓
	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Product: Trial	Active	Administrator	✓
Starter	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Product: Starter	Active	John Doe	
Built-in all-access sub...	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Service	Active		✓
	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Product: Public	Active	Administrator	✓
API Petstore subscrip...	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	API: Petstore	Active		

# Demo Time

File New: Build a Fully-Managed and Documented API

# Demonstration

- Create an Azure API Management instance
- Mock API responses
- Create and publish a product
- Import an API
- Transform responses
- Add rate limiting
- Setup CORS
- Caching
- Developer Portal

# Questions?

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- 🌐 ChadGreen.com
- 🐦 ChadGreen & TaleLearnCode
- 🌐 ChadwickEGreen

