



FILE NEW:

**PRAIRIE
DEV CON**



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

Sponsors

 **accenture**



online
business systems



EXCELLENCE IN RECRUITMENT

Lotlinx

Who is Chad Green?

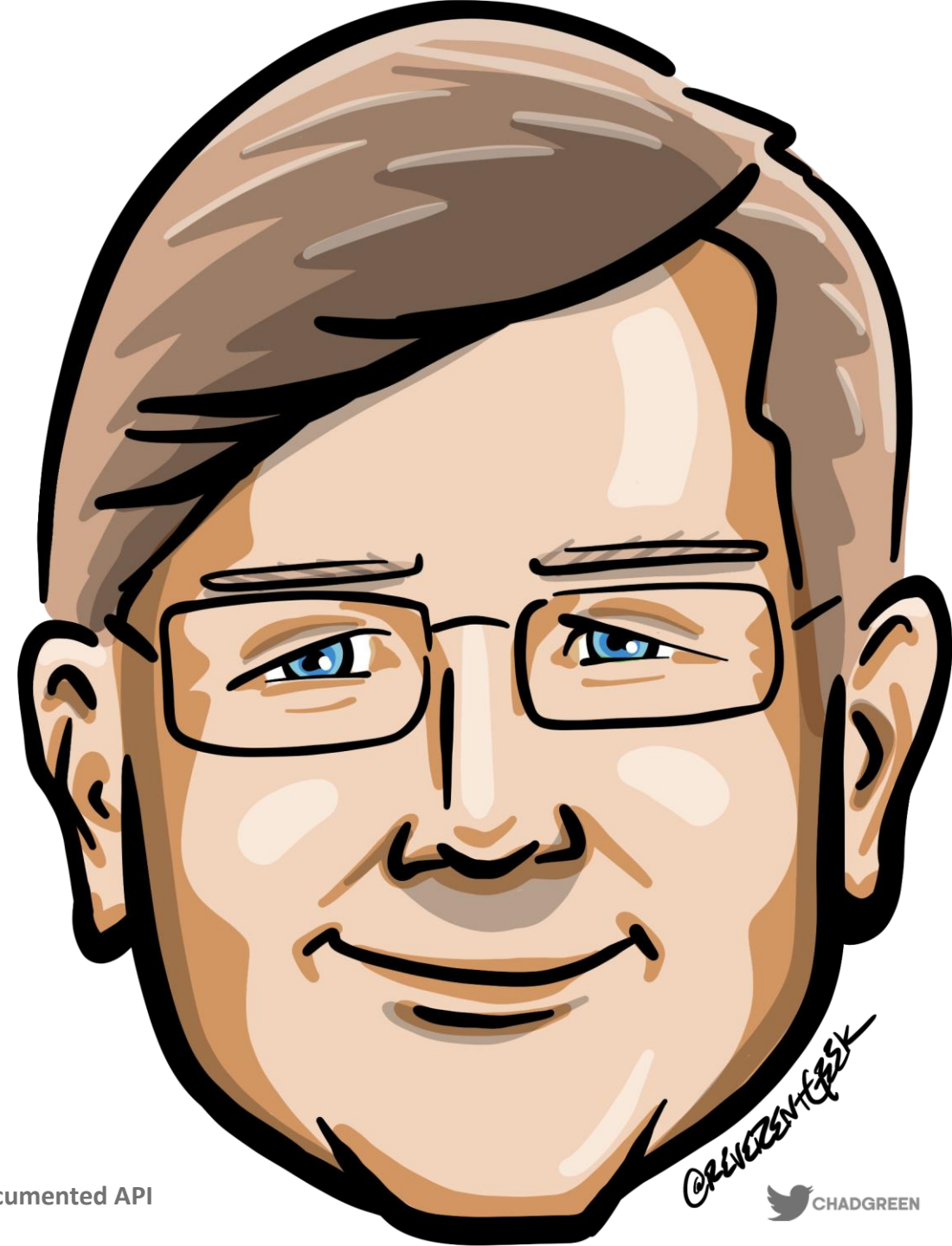
✉ chadgreen@chadgreen.com

💬 TaleLearnCode

🌐 ChadGreen.com

🐦 ChadGreen & TaleLearnCode

📌 ChadwickEGreen



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

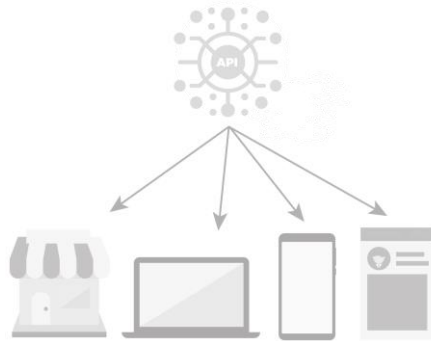
**Performance
Reporting**

API Management Use Cases

API Management Use Cases



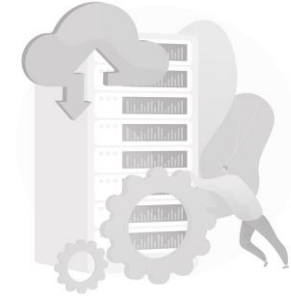
API Integration



Multi-Channel
User Experiences



B2B Integration



Data as a Service

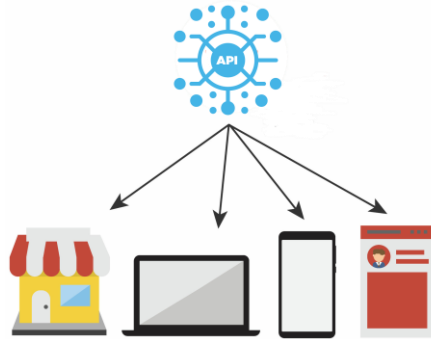


API Integration

API Management Use Cases



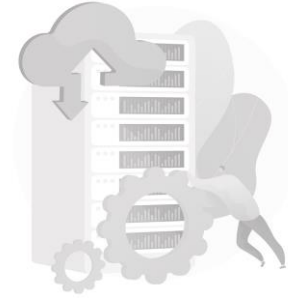
API Integration



Multi-Channel
User Experiences



B2B Integration



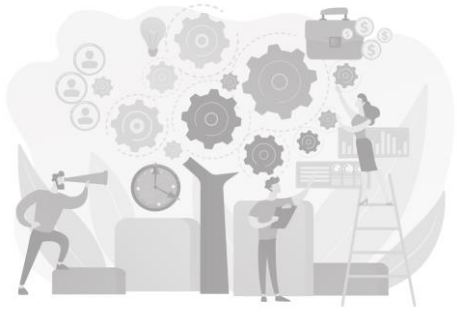
Data as a Service



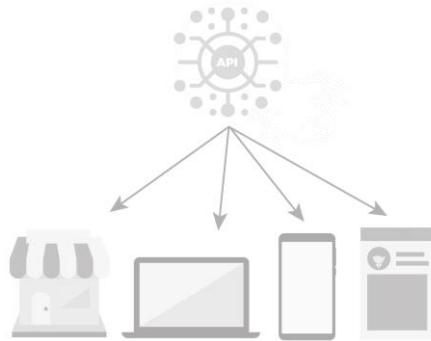
Unlocking
Legacy Assets

Multi-Channel User Experiences

API Management Use Cases



API Integration



Multi-Channel
User Experiences



B2B Integration



Data as a Service



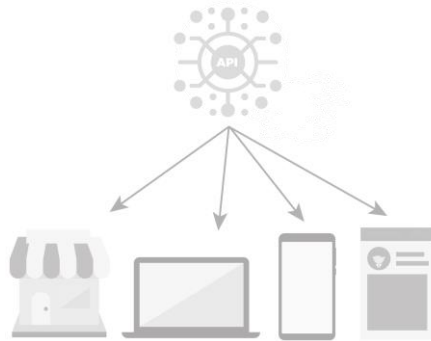
Unlocking
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B2B Integration

API Management Use Cases



API Integration



Multi-Channel
User Experiences



B2B Integration



Data as a Service



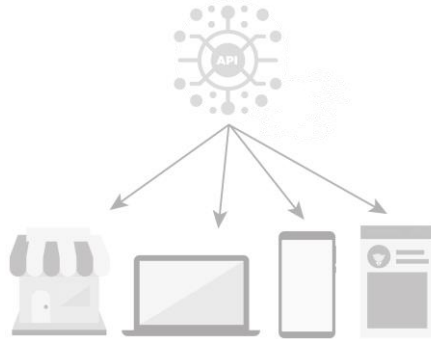
Unlocking
Legacy Assets

Data as a Service

API Management Use Cases



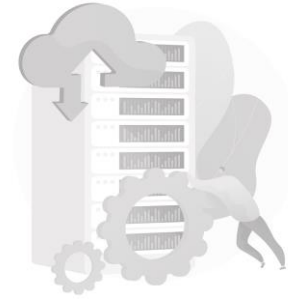
API Integration



Multi-Channel
User Experiences



B2B Integration



Data as a Service



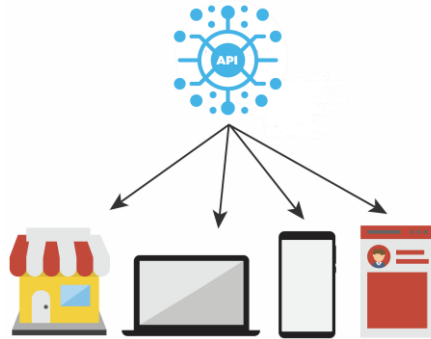
Unlocking
Legacy Assets

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





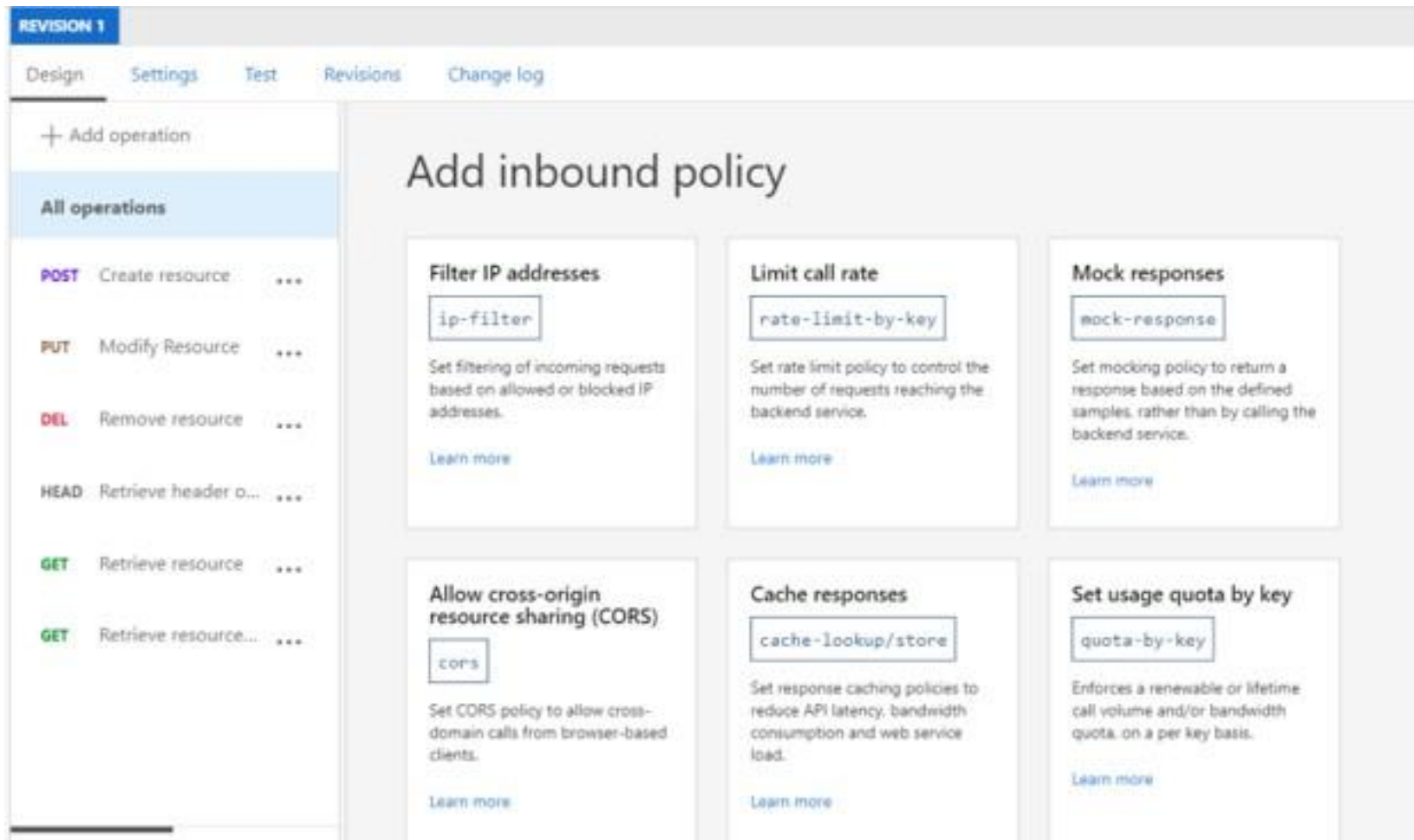
Azure API Management

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

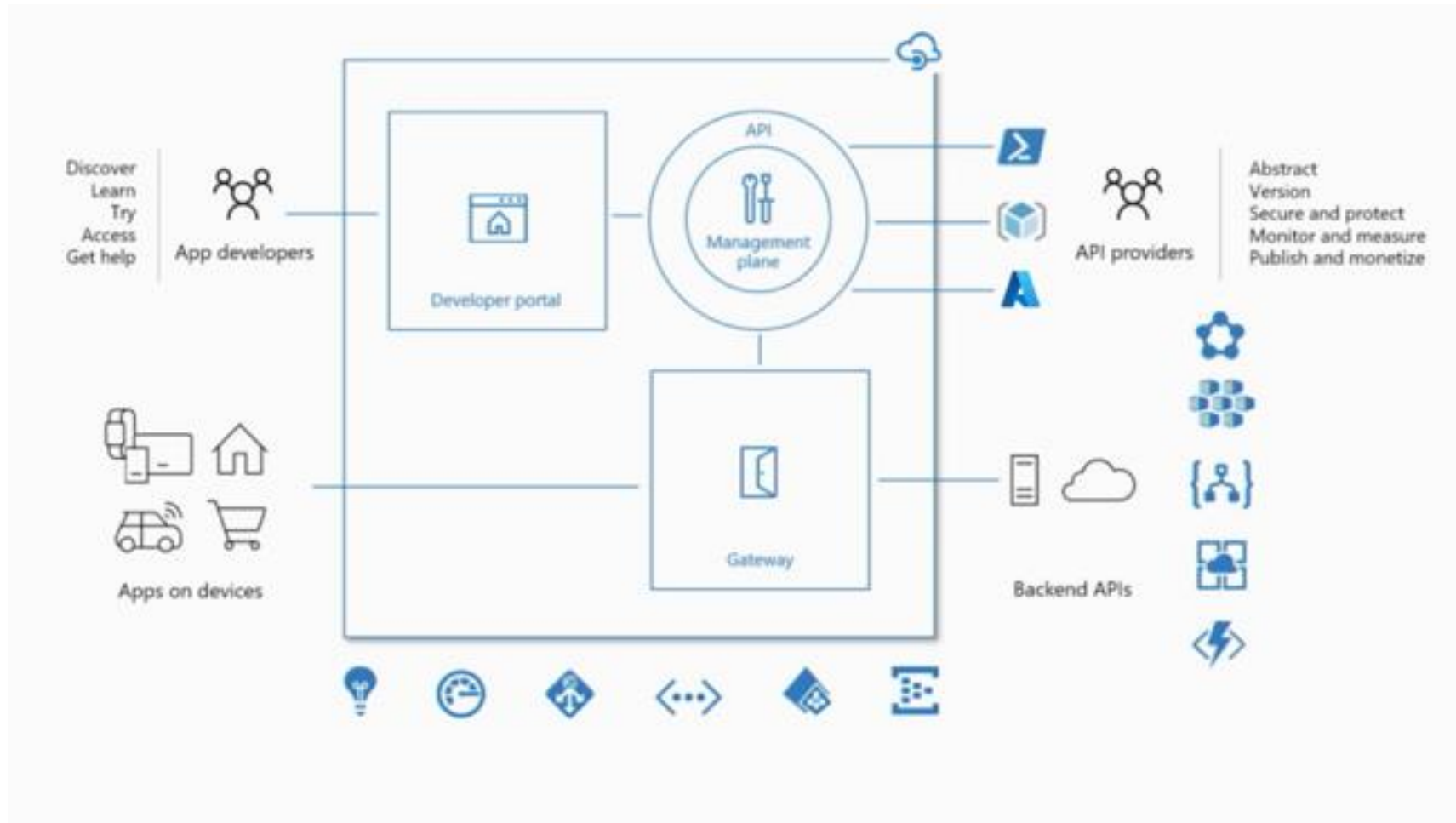
Manage APIs across clouds and on-premises



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 '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 '200' status. On the right, a detailed view of the endpoint shows the path '/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

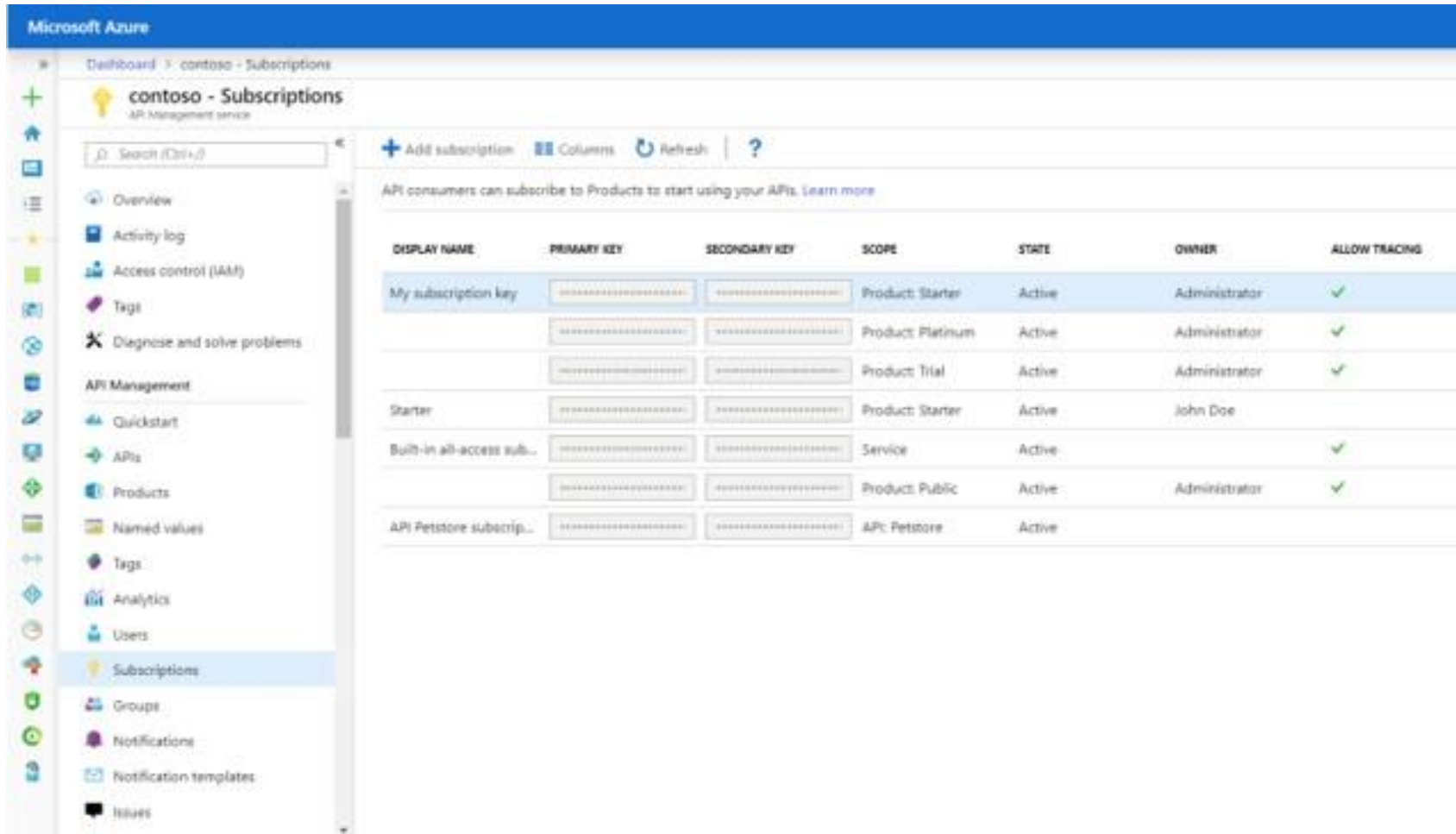
HTTP request

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

