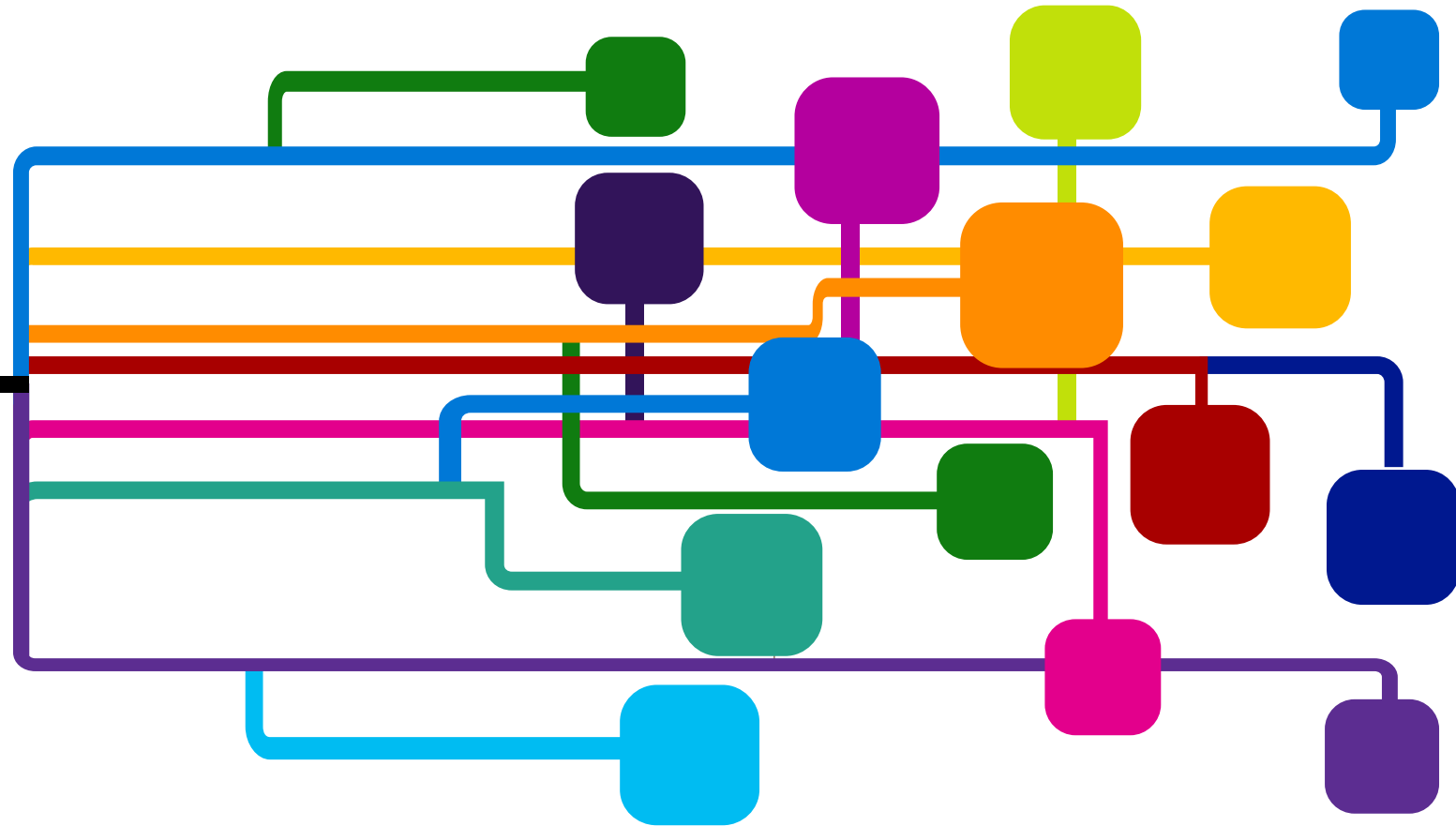# API Management

The Value of APIs & API Management

Graham Rivers-Brown
Account CTO

Microsoft

APIs at Scale

The Importance of APIs

Facilitate integration

Accelerate innovation

Create digital marketplaces

Power connected experiences

Enable scalability
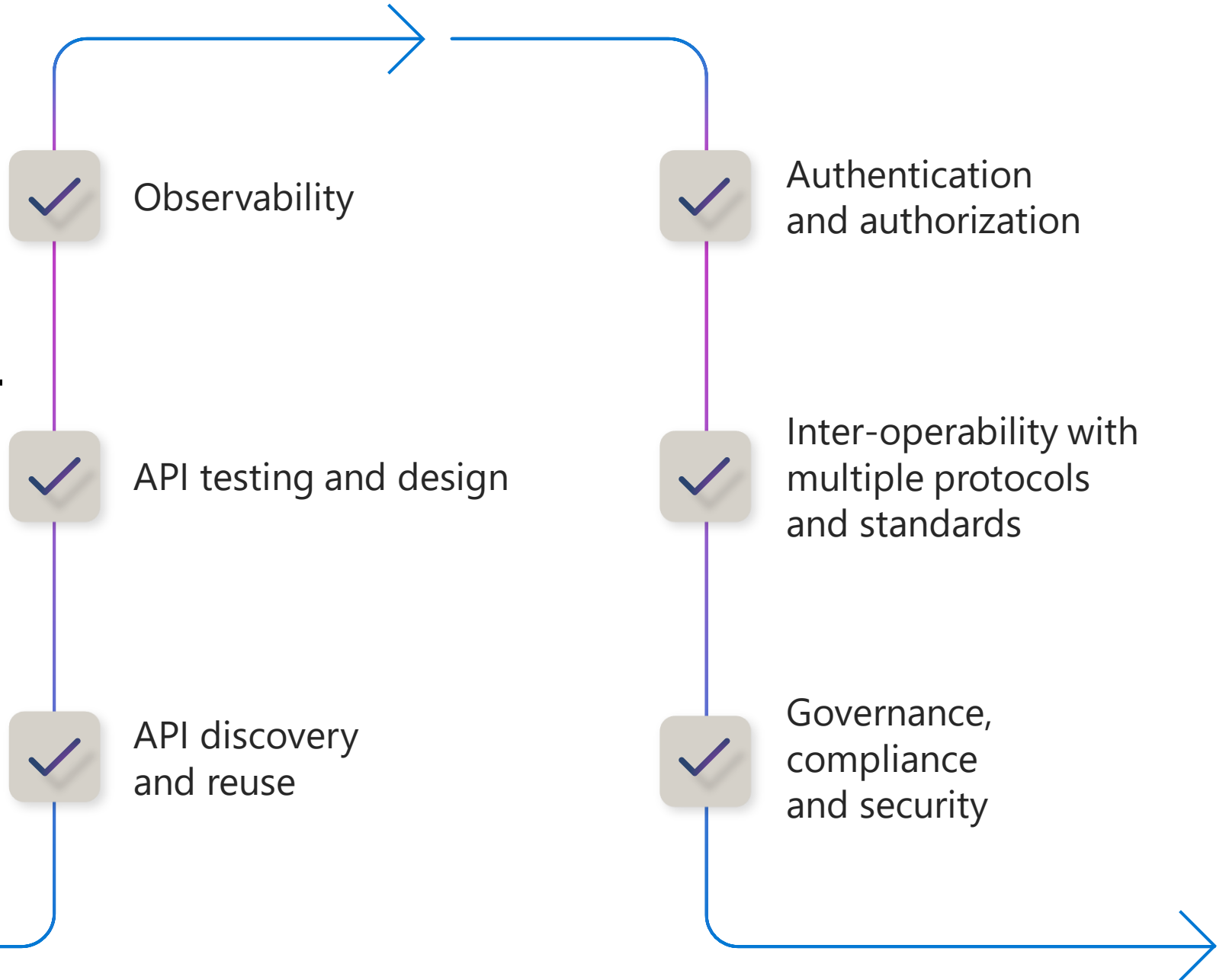
Connect Generative AI

API-first development

Prioritizes design and development
of APIs before development of UI

Makes APIs the foundation of application
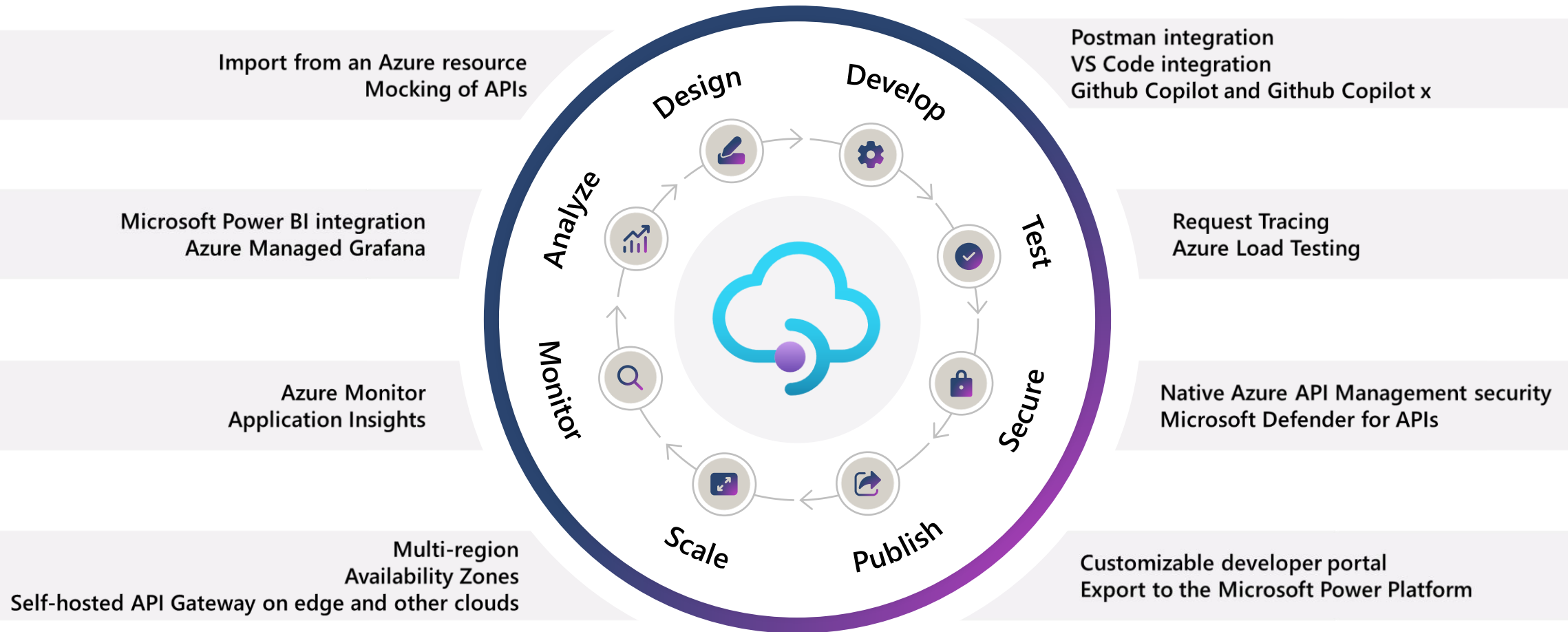architecture

✓ Define the API contract first

✓ Create clear and consistent
interface between client and server

✓ Generate, maintain, and version the
API contract

✓ Adhere to the contract and validate
API implementation through
tooling

Change from a Web-first approach to an API-first approach

- Observability
- API testing and design
- API discovery and reuse
- Authentication and authorization
- Inter-operability with multiple protocols and standards
- Governance, compliance and security

Streamline your API lifecycle with API management

Import from an Azure resource
Mocking of APIs

Microsoft Power BI integration
Azure Managed Grafana

Azure Monitor
Application Insights

Multi-region
Availability Zones
Self-hosted API Gateway on edge and other clouds

Postman integration
VS Code integration
Github Copilot and Github Copilot x

Request Tracing
Azure Load Testing

Native Azure API Management security
Microsoft Defender for APIs

Customizable developer portal
Export to the Microsoft Power Platform

Design
Develop
Test
Secure
Publish
Scale
Monitor
Analyze

Key takeaways

APIs are the **foundational building blocks** that power connected experiences.

API-first development allows for better integration, increased innovation and faster time to market.

Azure API Management **helps you** deliver scalable APIs with ease.