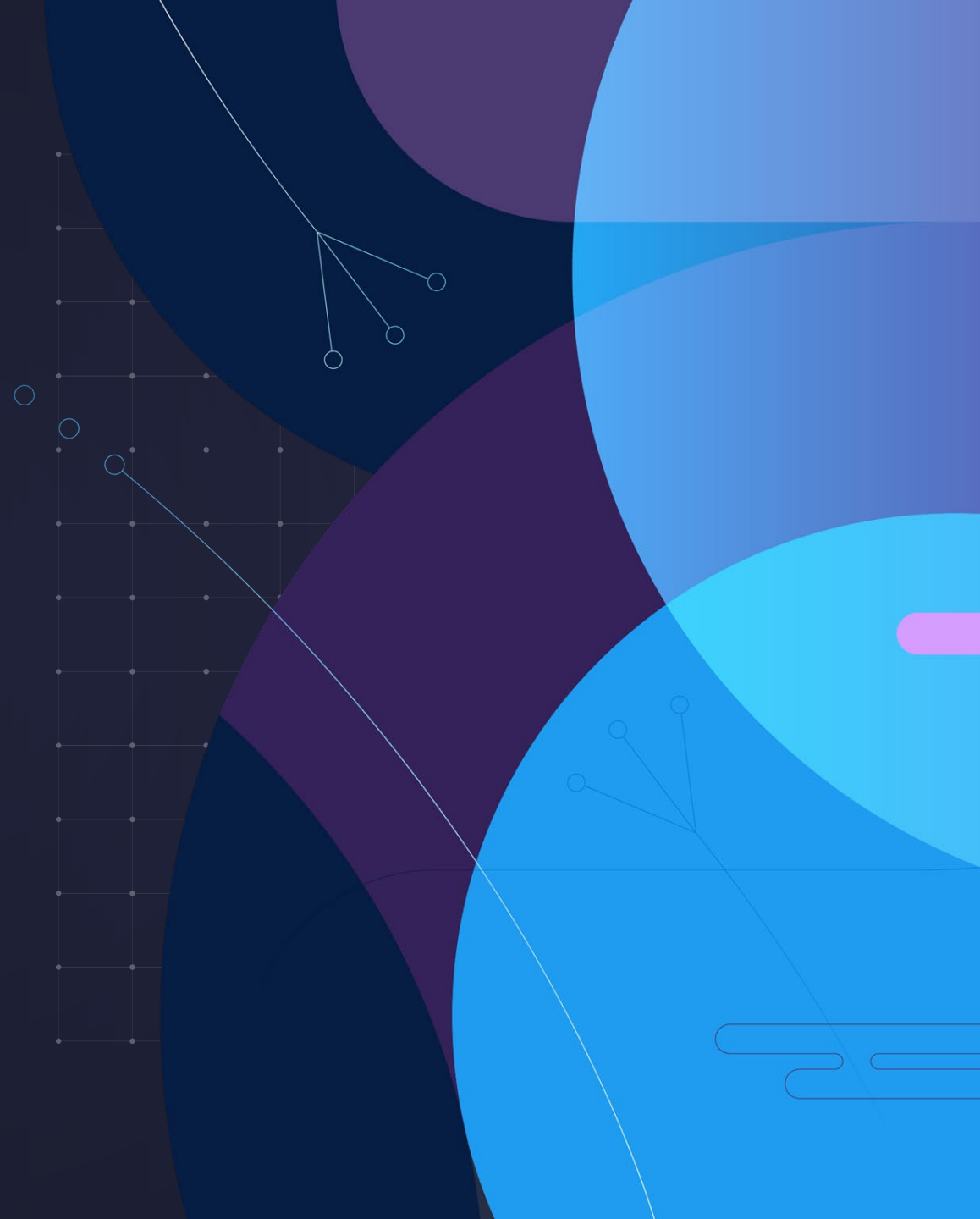




Accelerate the delivery - reduce your dependencies

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Agenda



Team topologies

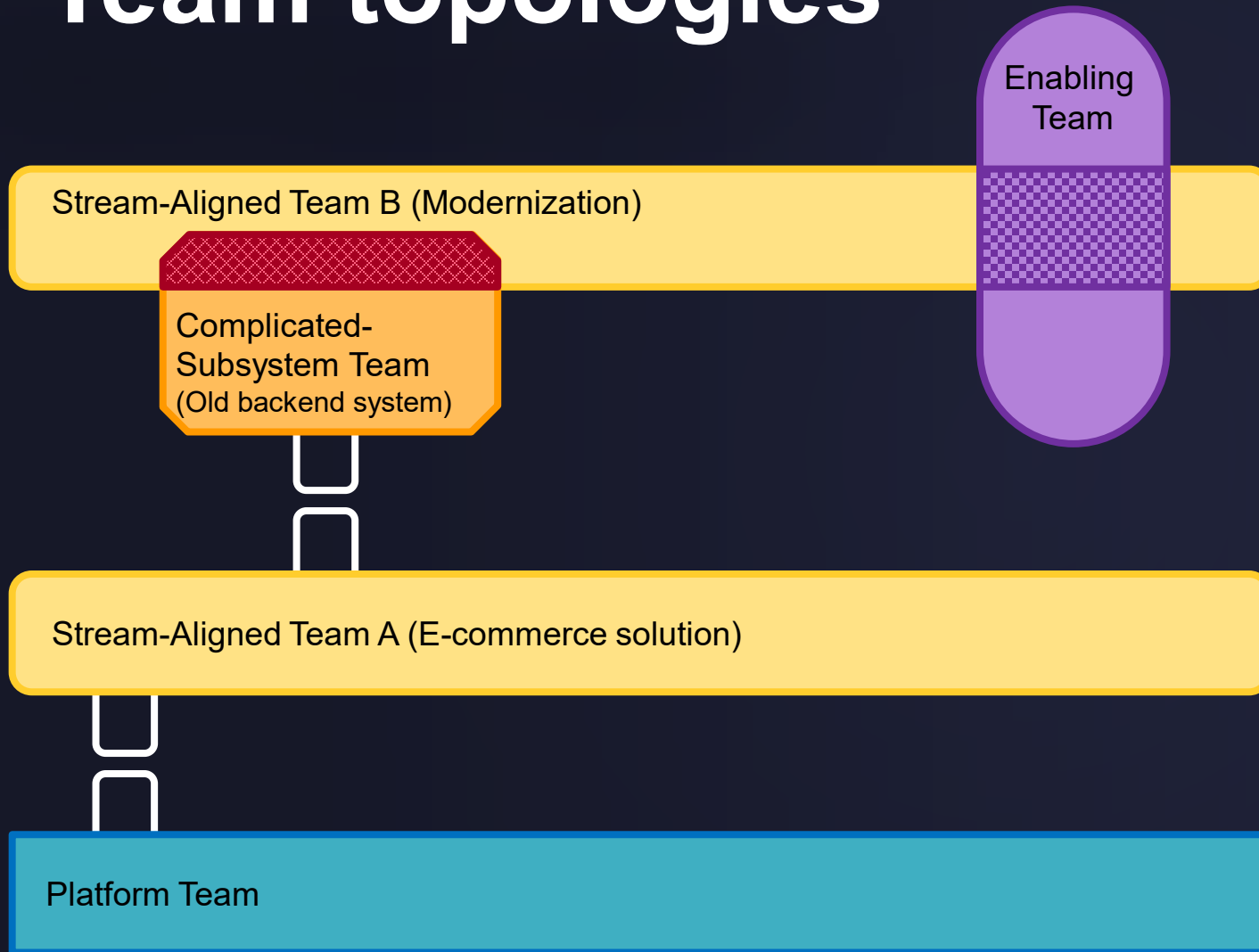


Build API's at scale

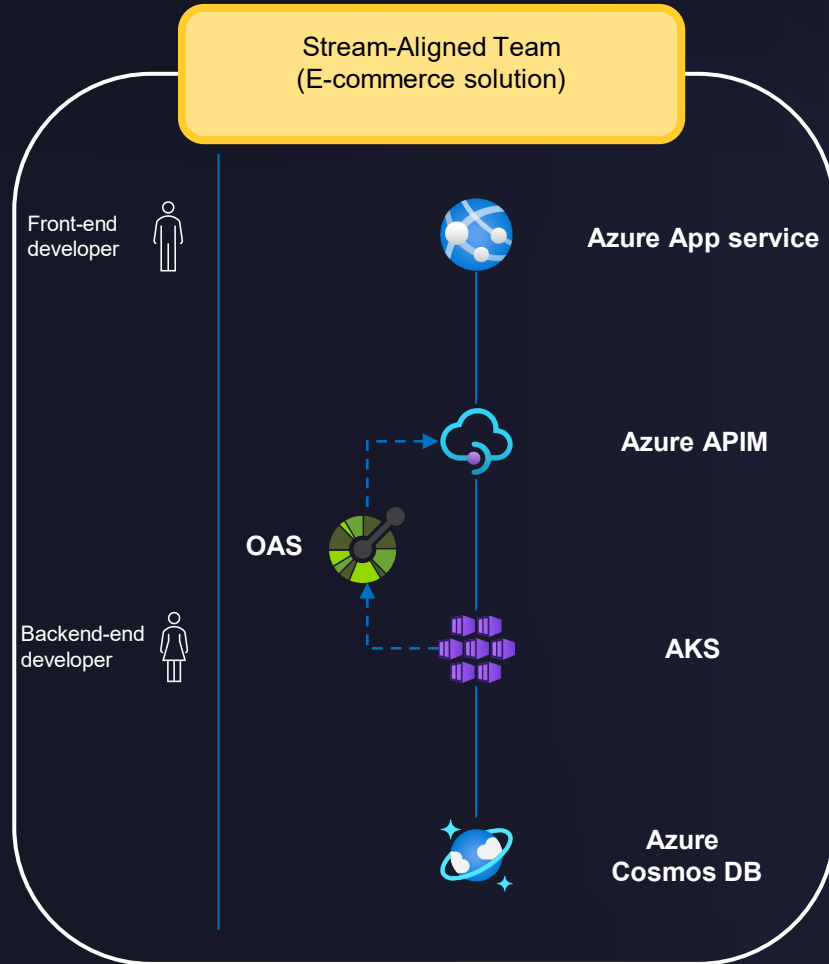


Enabling
consuming parties

Team topologies



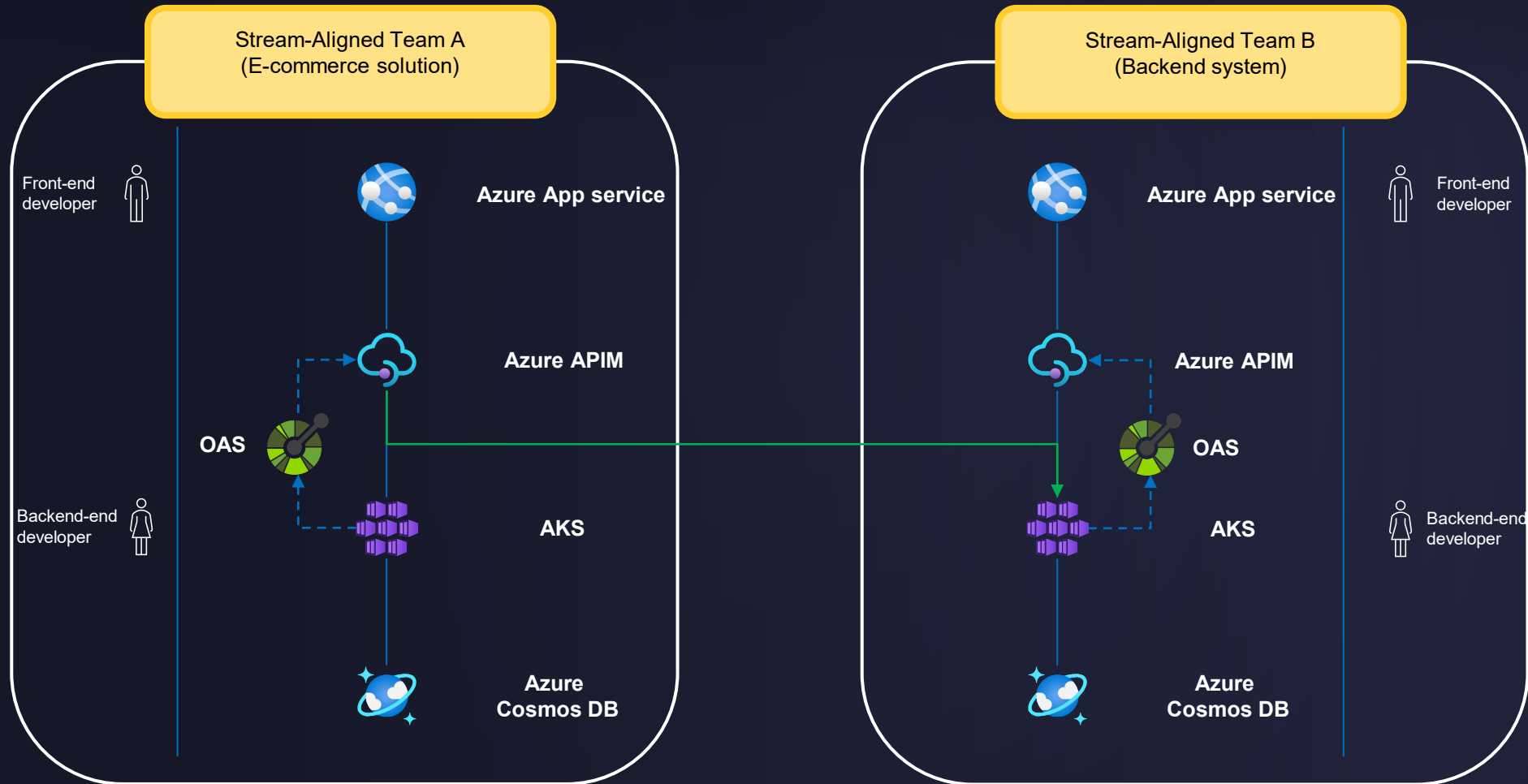
API usage within a stream aligned team



Two approaches are being used:

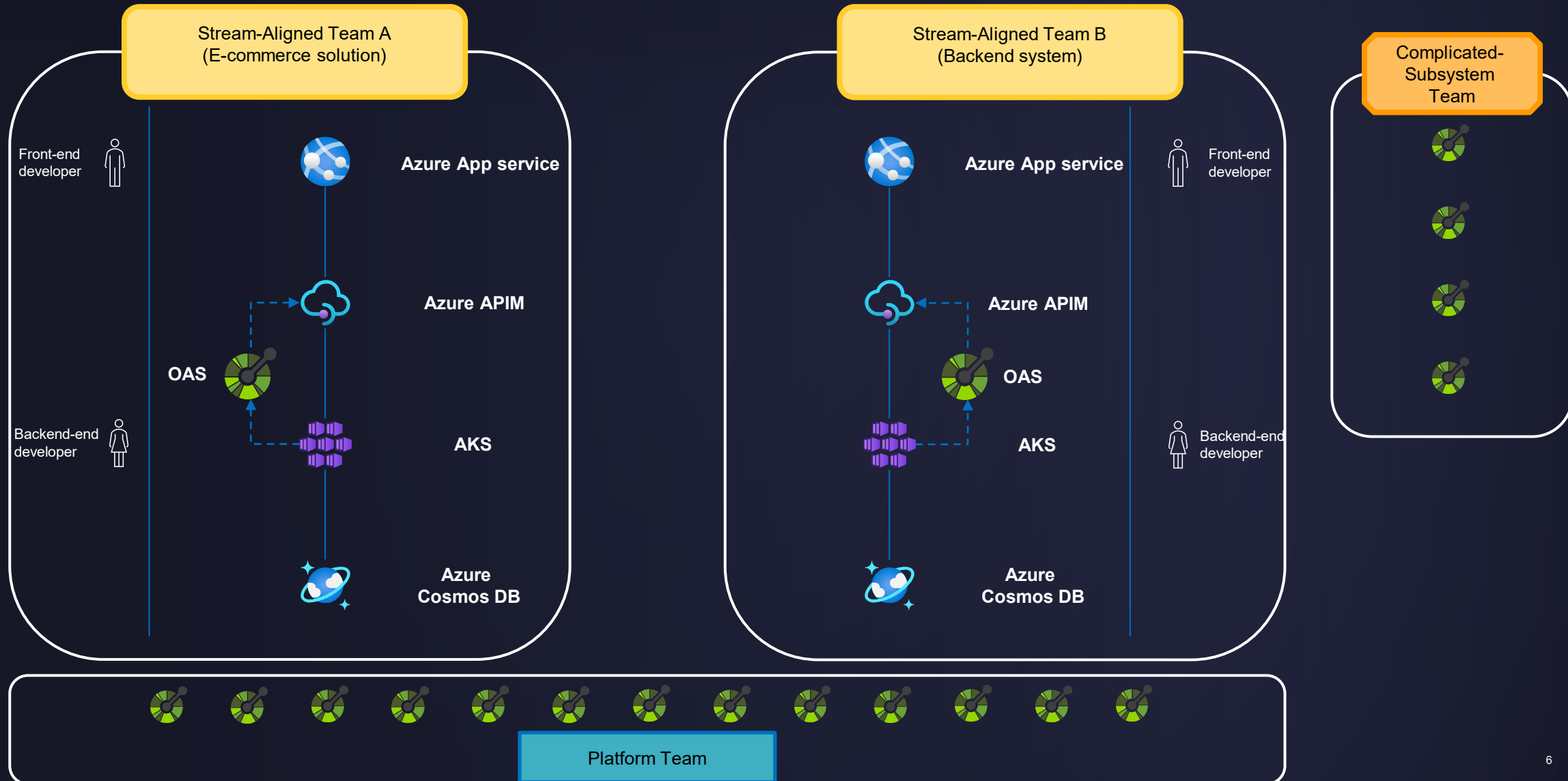
- Code-First
- API-First

API usage across multiple stream-aligned teams

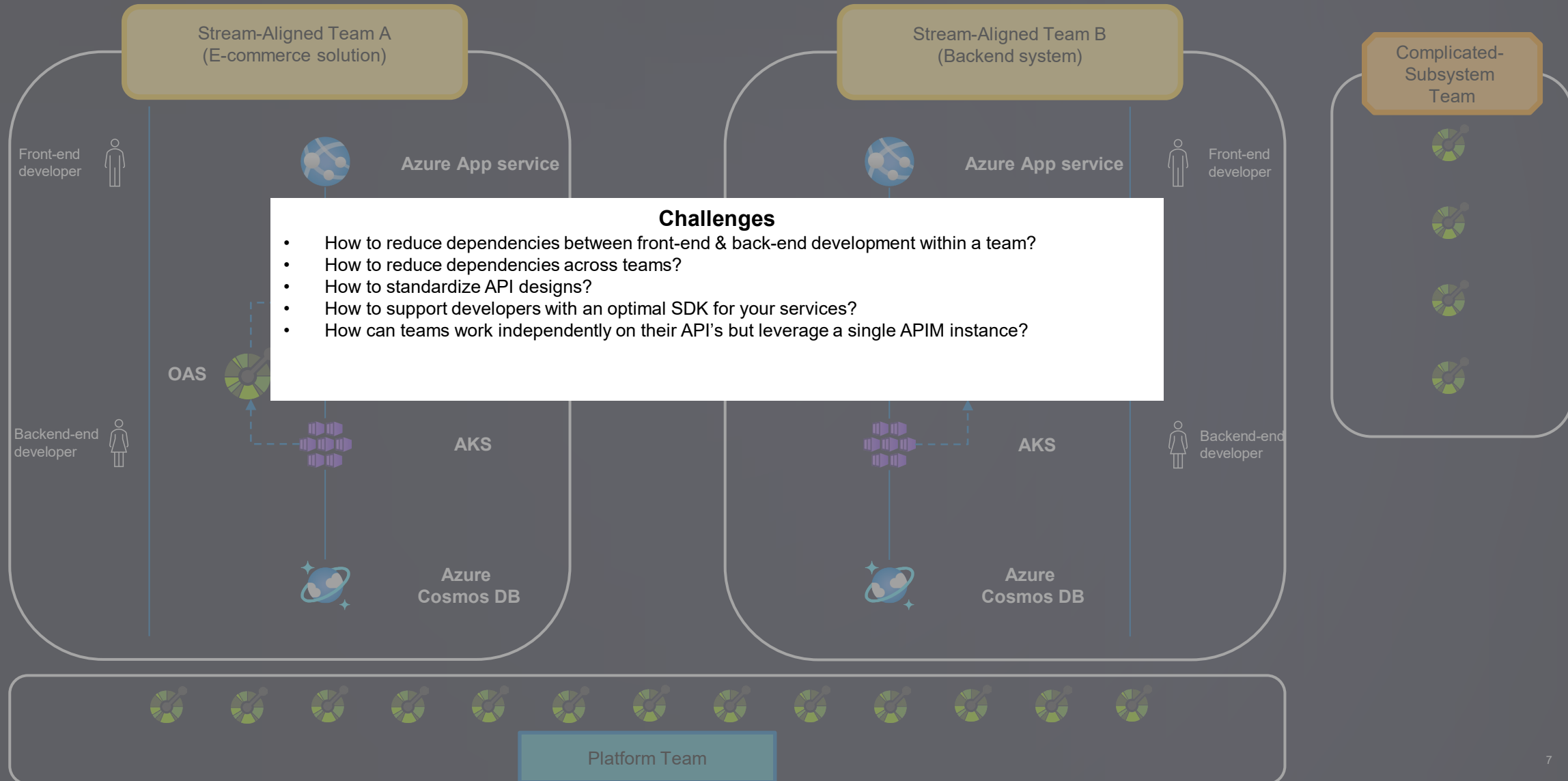


One APIM instance will be used for multiple stream-aligned teams

API usage across the organization

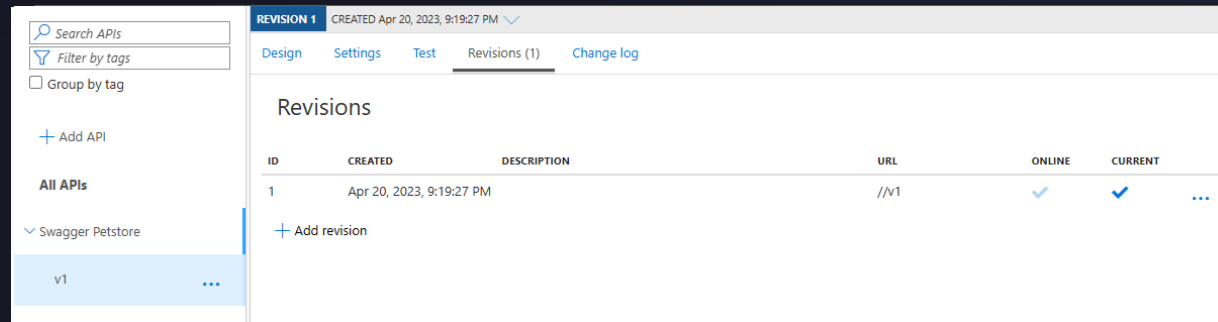


API usage across the organization

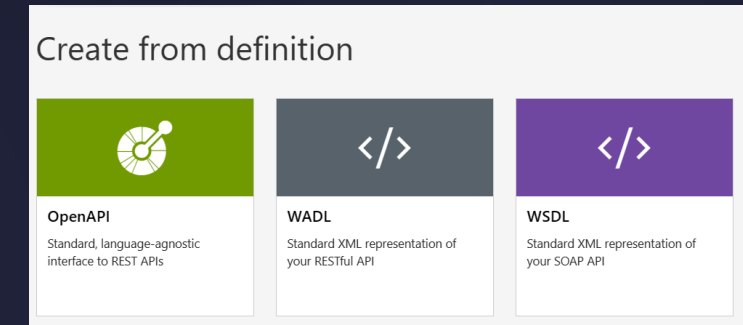


How to reduce dependencies between front-end & back-end development within a team?

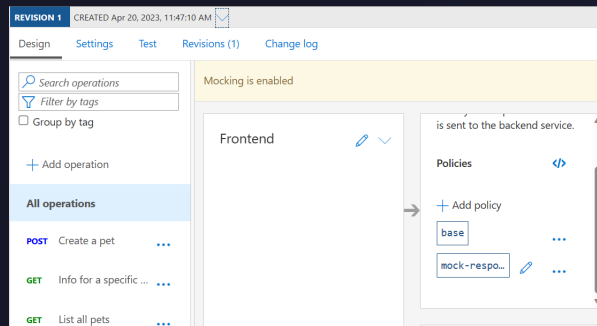
1. Apply versioning to your API's



2. Start with API-first → Import your API definition



3. Enable mocking



How to standardize API designs?



Educate

<https://aka.ms/azapi/specs>



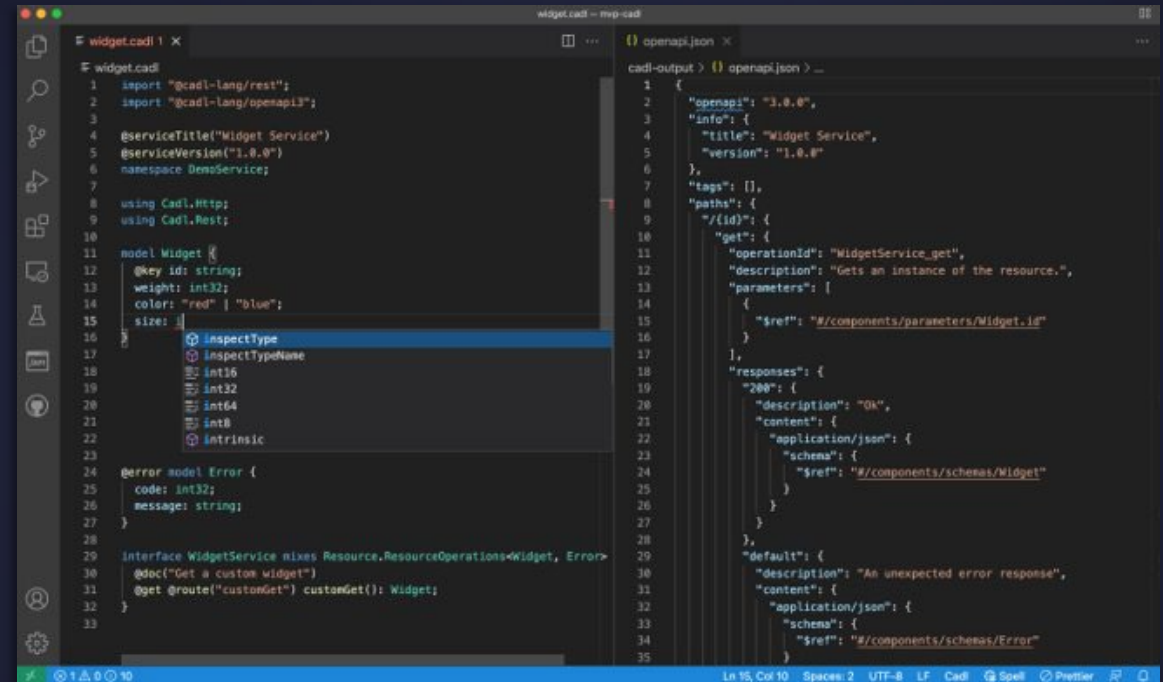
Enable



Empower

How to standardize API designs?

- A new language for *designing* APIs
- Supports libraries that *implement* our guidelines
- Promotes *reuse* through code sharing
- IntelliSense *tooling* support
- *Simplified* authoring experience for Open API
- Produces Open API 2.x & 3.x
- Enables *version-aware* API development



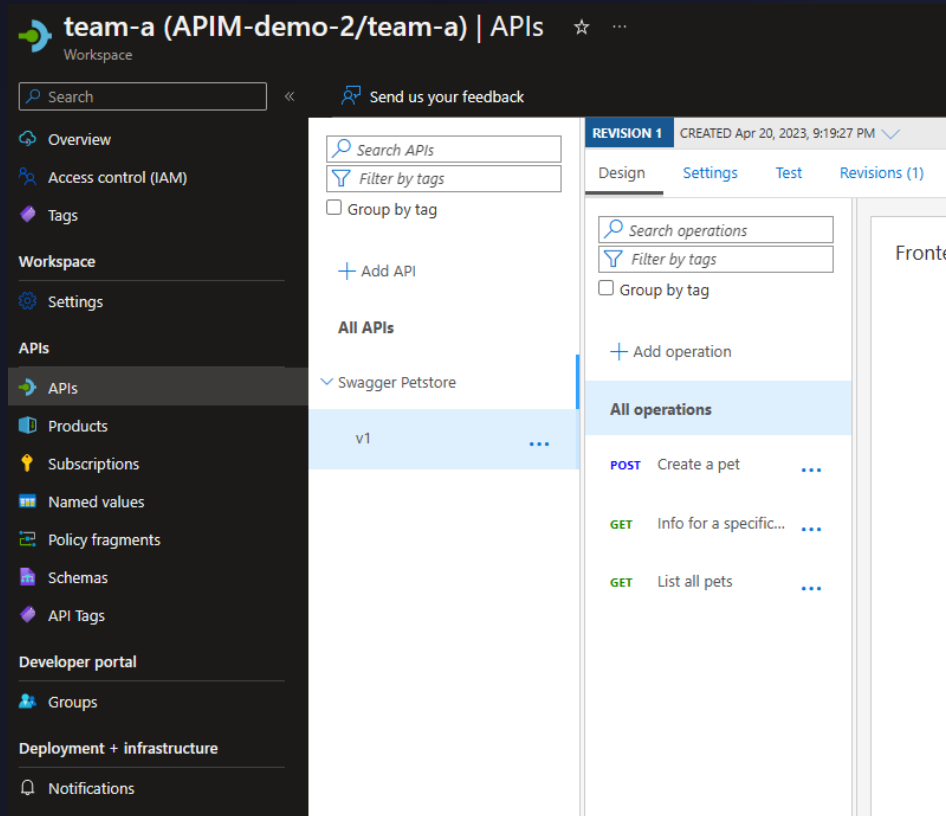
[microsoft/typespec \(github.com\)](https://github.com/microsoft/typespec)

How to support developers with an optimal SDK for your services?

Kiota is a command line tool for generating an API client to call any OpenAPI described API you are interested in. Supported languages are:

- C#
- Go
- Java
- Php
- Python
- Ruby
- Shell
- Swift
- Typescript / Javascript

How can teams work independently on their API's but leverage a single APIM instance?



In API Management, *workspaces* allow decentralized API development teams to manage and productize their own APIs, while a central API platform team maintains the API Management infrastructure. Each workspace contains APIs, products, subscriptions, and related entities that are accessible only to the workspace collaborators. Access is controlled through Azure role-based access control (RBAC).

Demo

1. Create an OAS with TypeSpec

2. Upload OAS in workspace and enable mocking

3. Generate SDK with Kiota

