Blazor에 손쉽게 OAuth를 적용해 보자

유저스틴 | 수석 디벨로퍼 아드보캇 | Microsoft

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#2164 484

Agenda

01

AuthN 훑어보기

02

인증용
클라우드 아키텍처 패턴

03

Azure 빌트인 인증
(EasyAuth)

01

AuthN 훑어보기

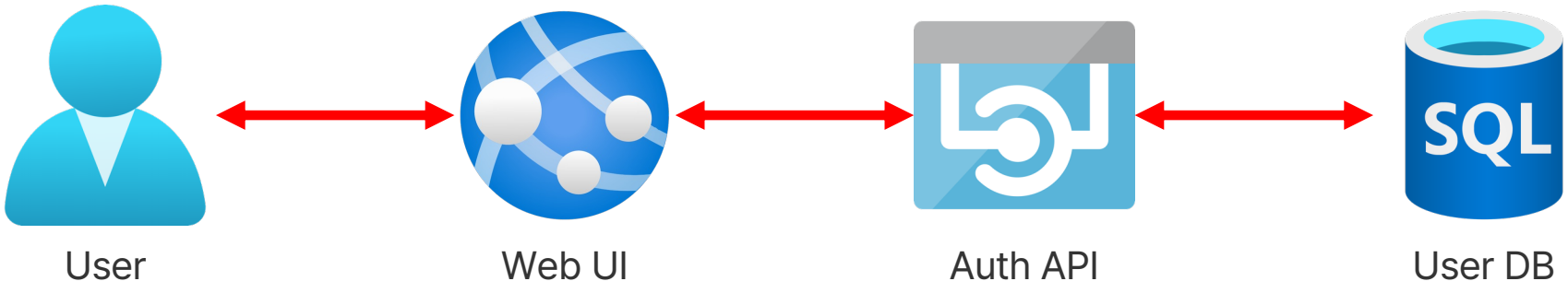
Authentication: 인증

Authorization: 인가 (권한부여)

401 Unauthorized
403 Forbidden

Username/Password 방식

가장 전통적인 방식
DB 활용 직접 구현

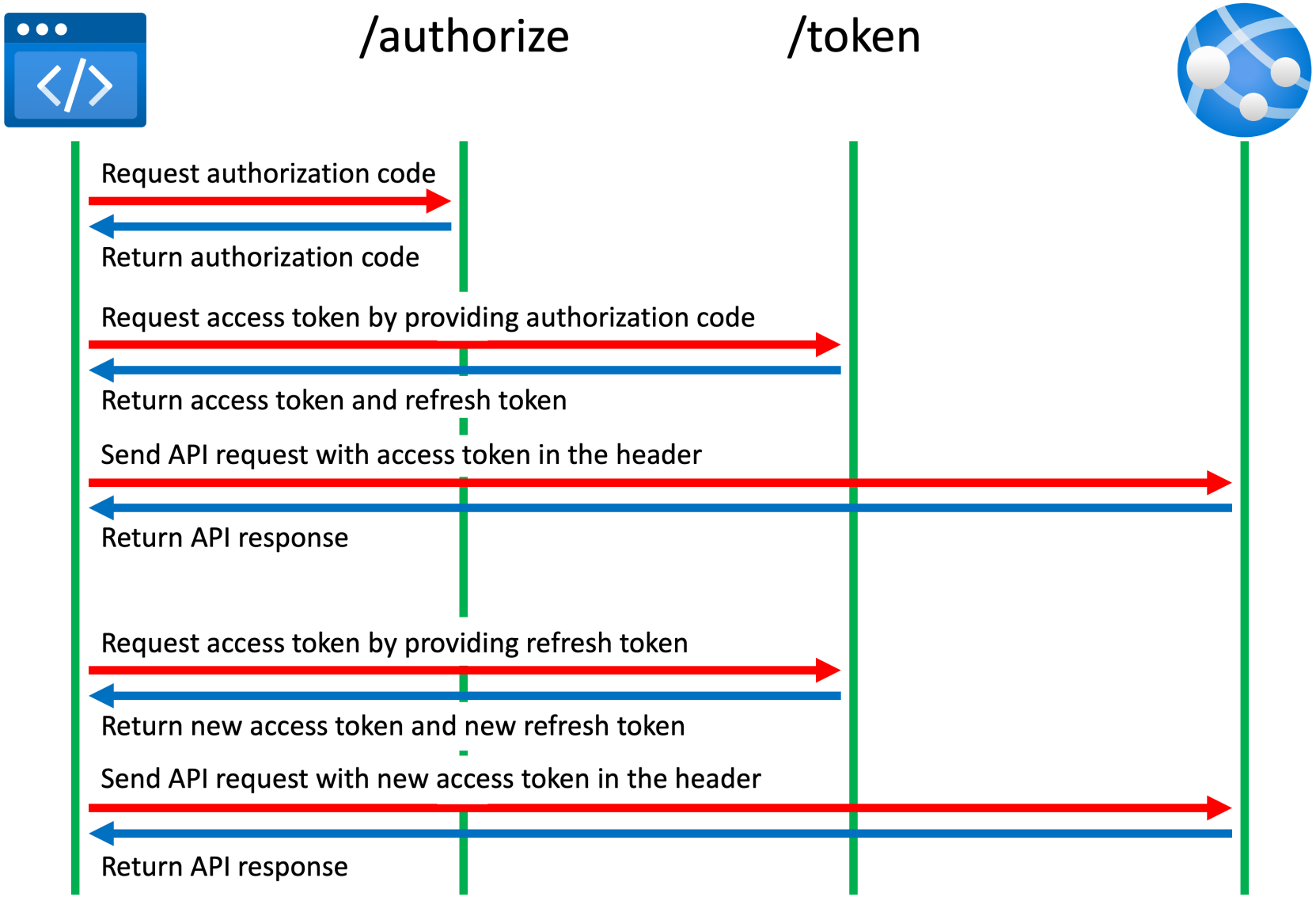

User
Web UI
Auth API
SQL
User DB

Username/Password 방식

구현하기 쉬움
유지보수 어려움

OAuth 방식

최근 나온 방식
인증 서버/서비스 도입


/authorize
/token
Request authorization code
Return authorization code
Request access token by providing authorization code
Return access token and refresh token
Send API request with access token in the header
Return API response
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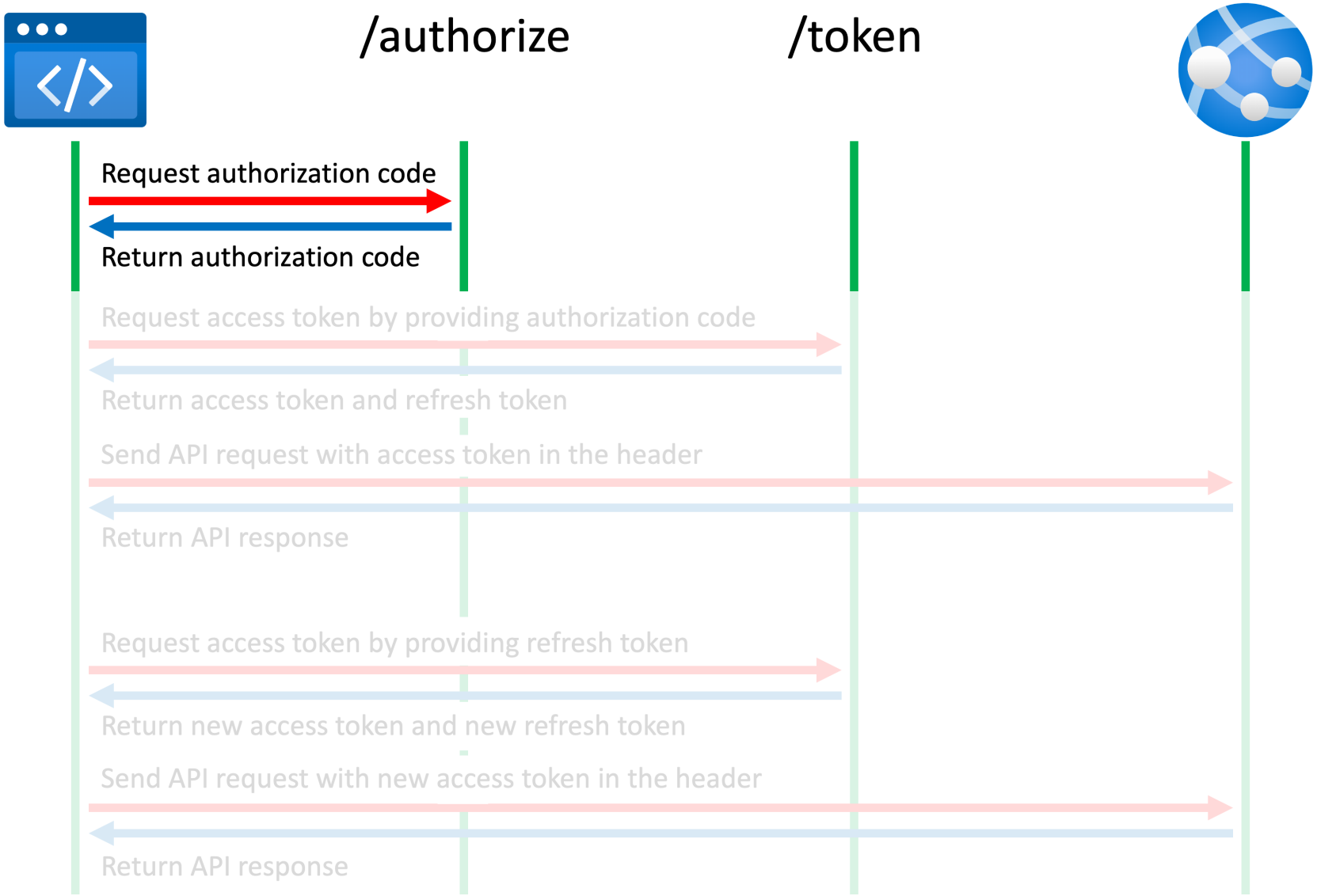
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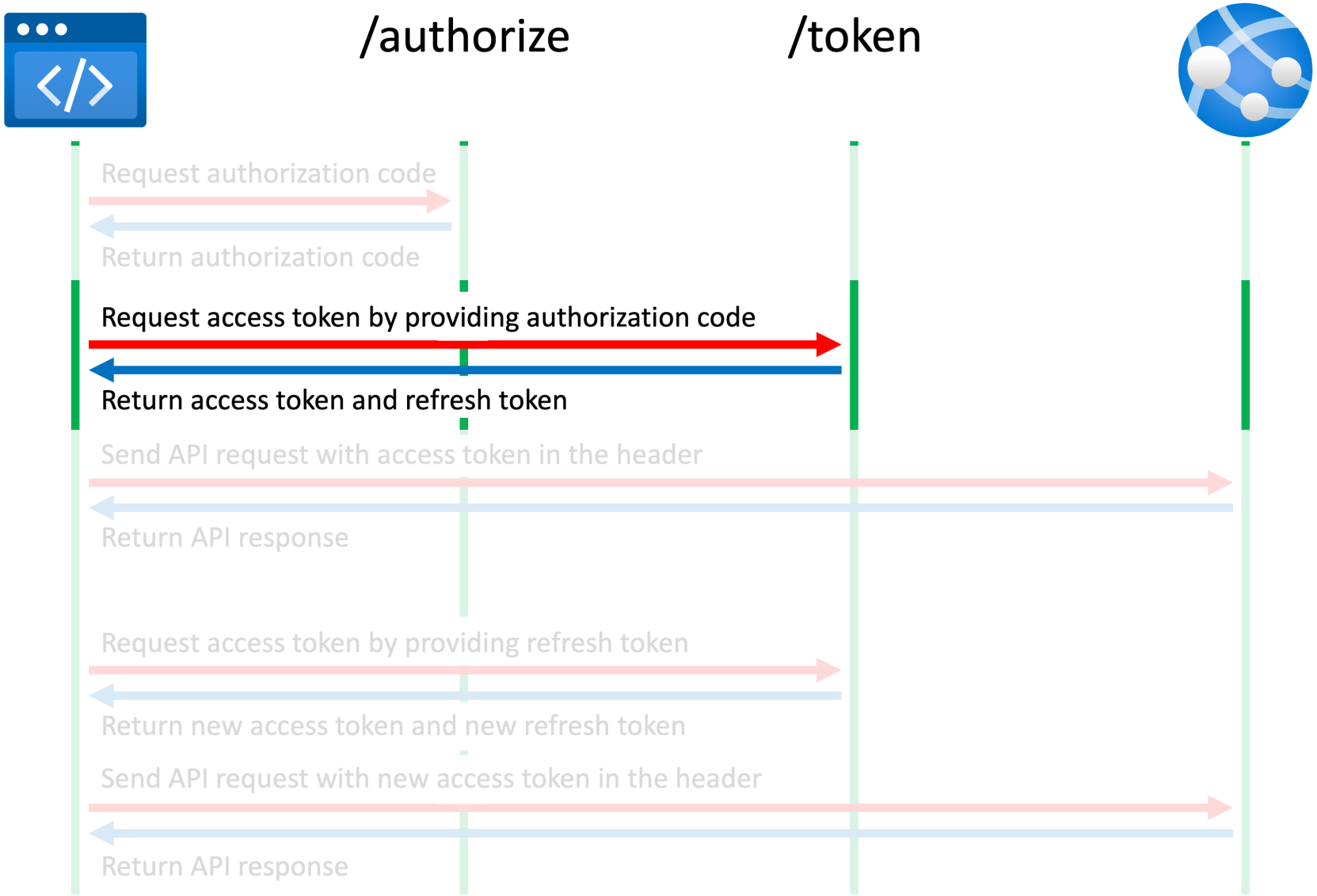
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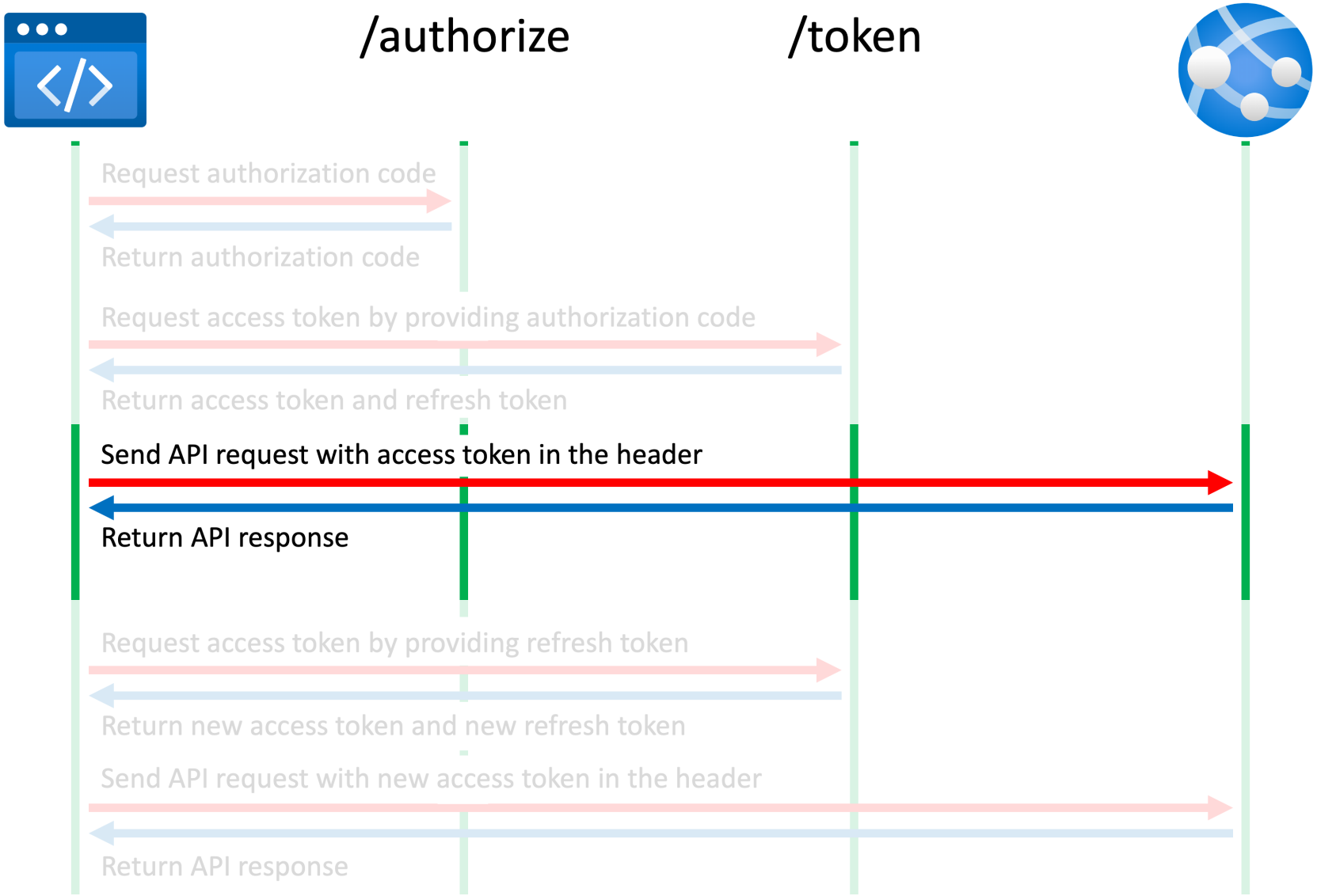
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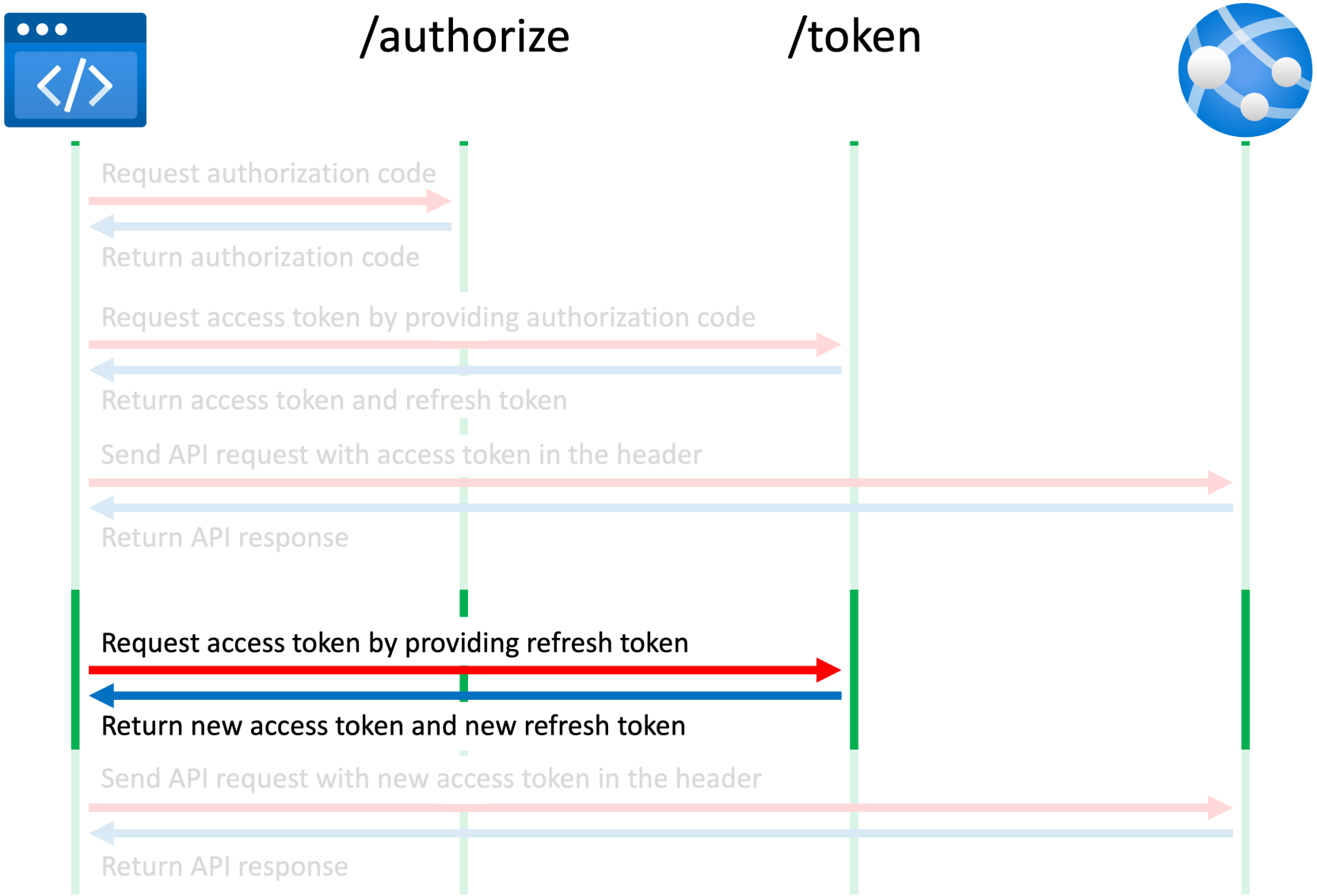
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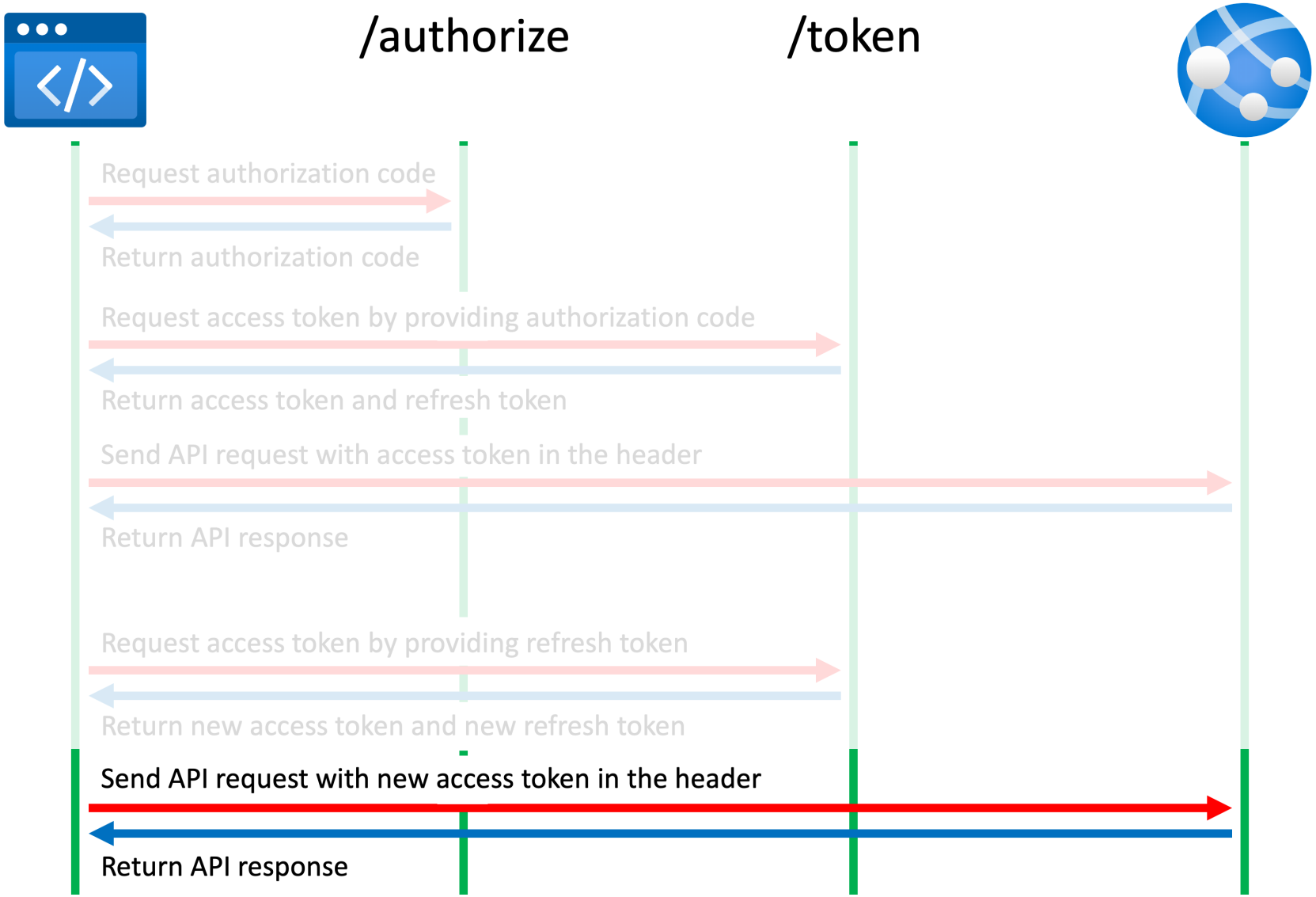
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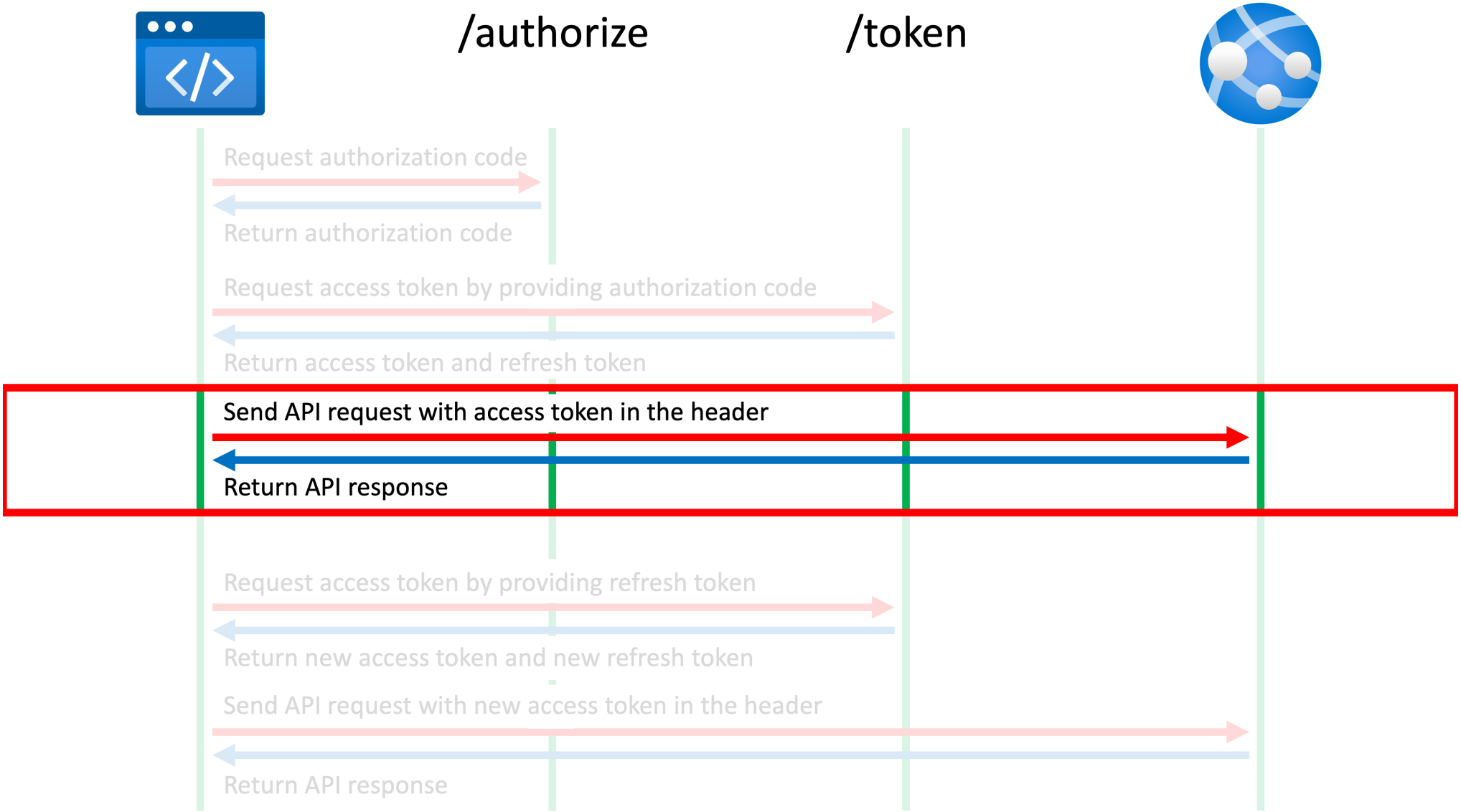
OAuth 방식

유지보수 쉬움
코드 구현 복잡함

OAuth 최종 목표:

OAuth 최종 목표: 액세스 토큰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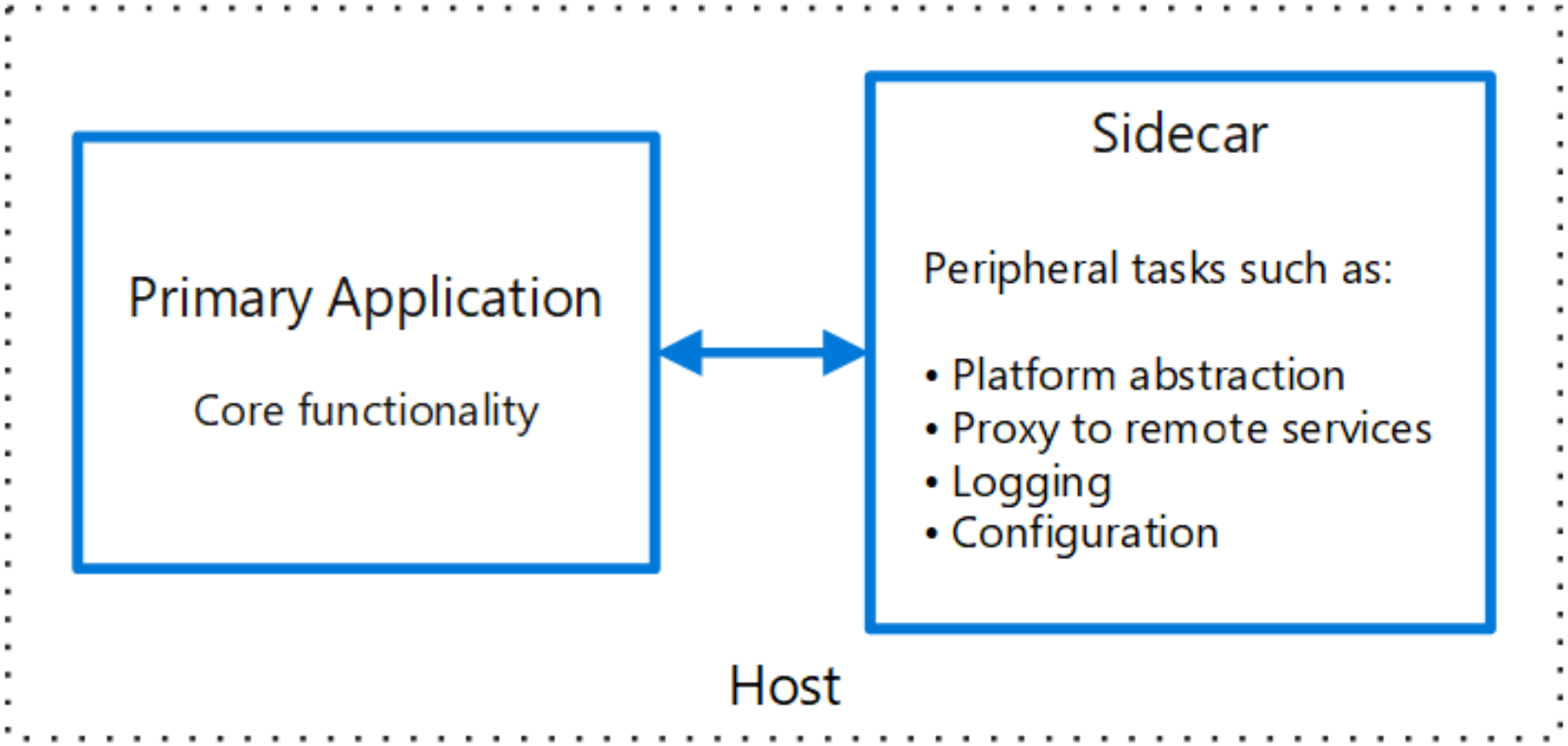
누군가 나 대신
액세스 토큰을
받아주면 어떨까?

하지만
내 코드는
수정하고 싶지 않아

02

인증용 클라우드 아키텍처 패턴

사이드카 패턴



https://learn.microsoft.com/azure/architecture/patterns/sidecar

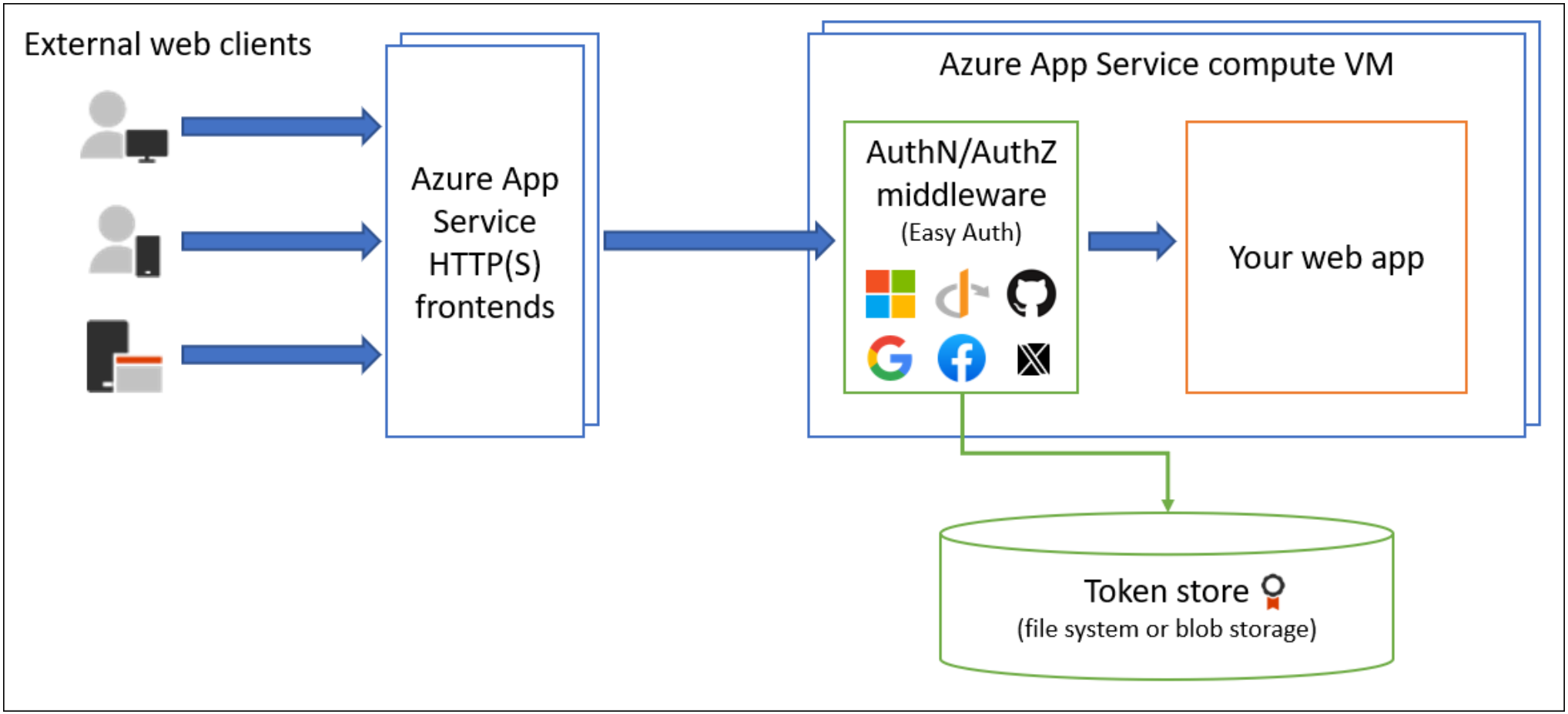
별도 프로세스/컨테이너를 통해 인증 진행

기존의 코드를 건드리지 않고 인증 진행

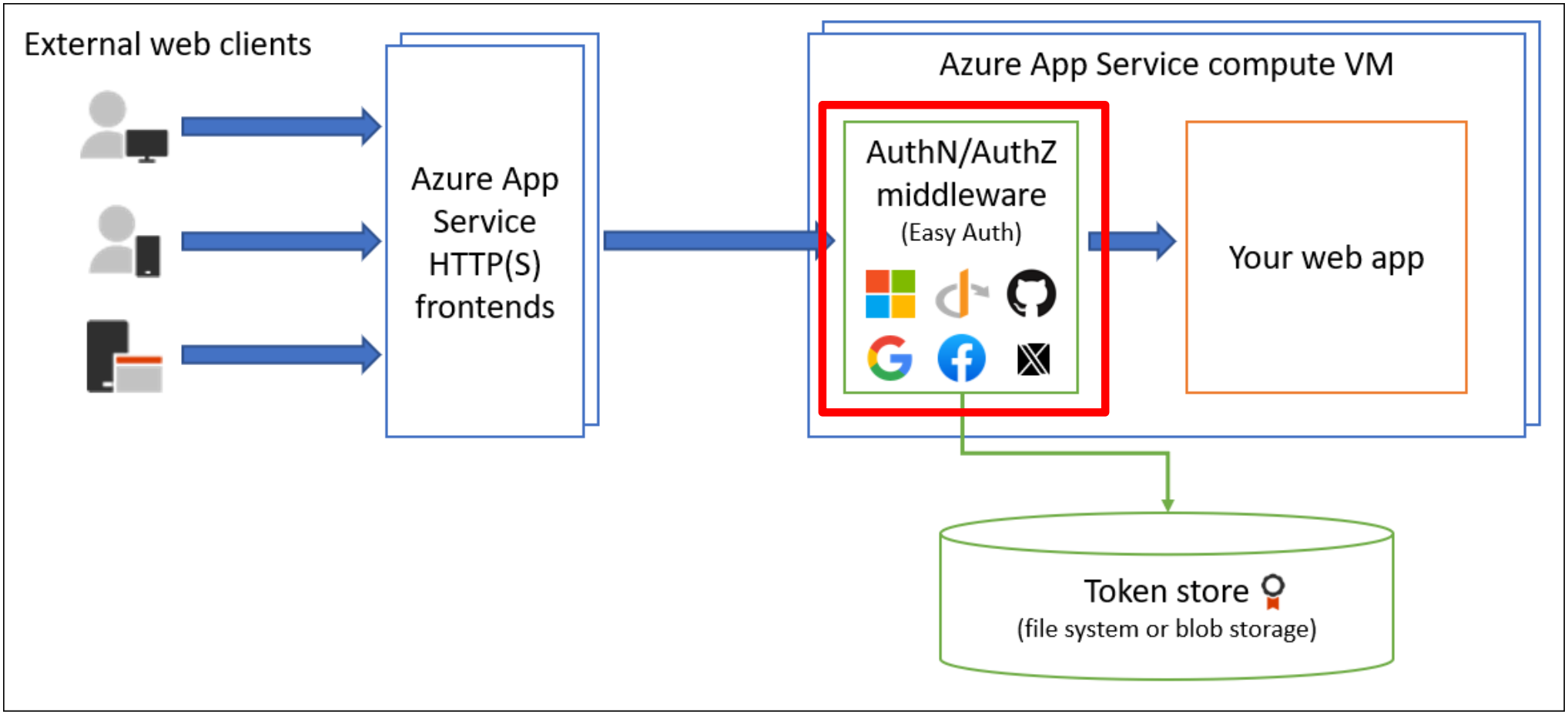
기존의 코드와 다른 언어로도 작성 가능

03

Azure 빌트인 인증 (EasyAuth)



https://learn.microsoft.com/azure/app-service/overview-authentication-authorization



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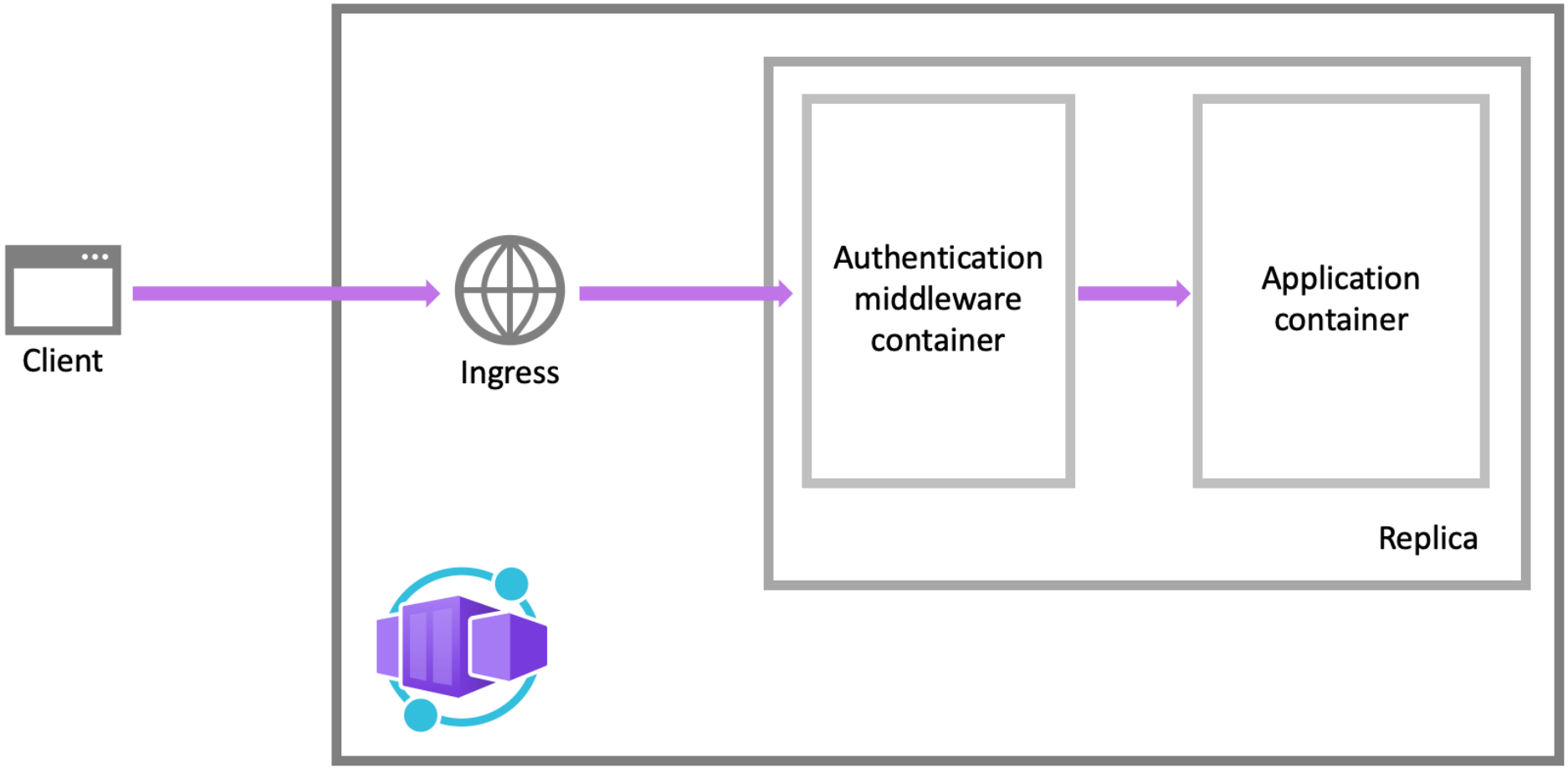
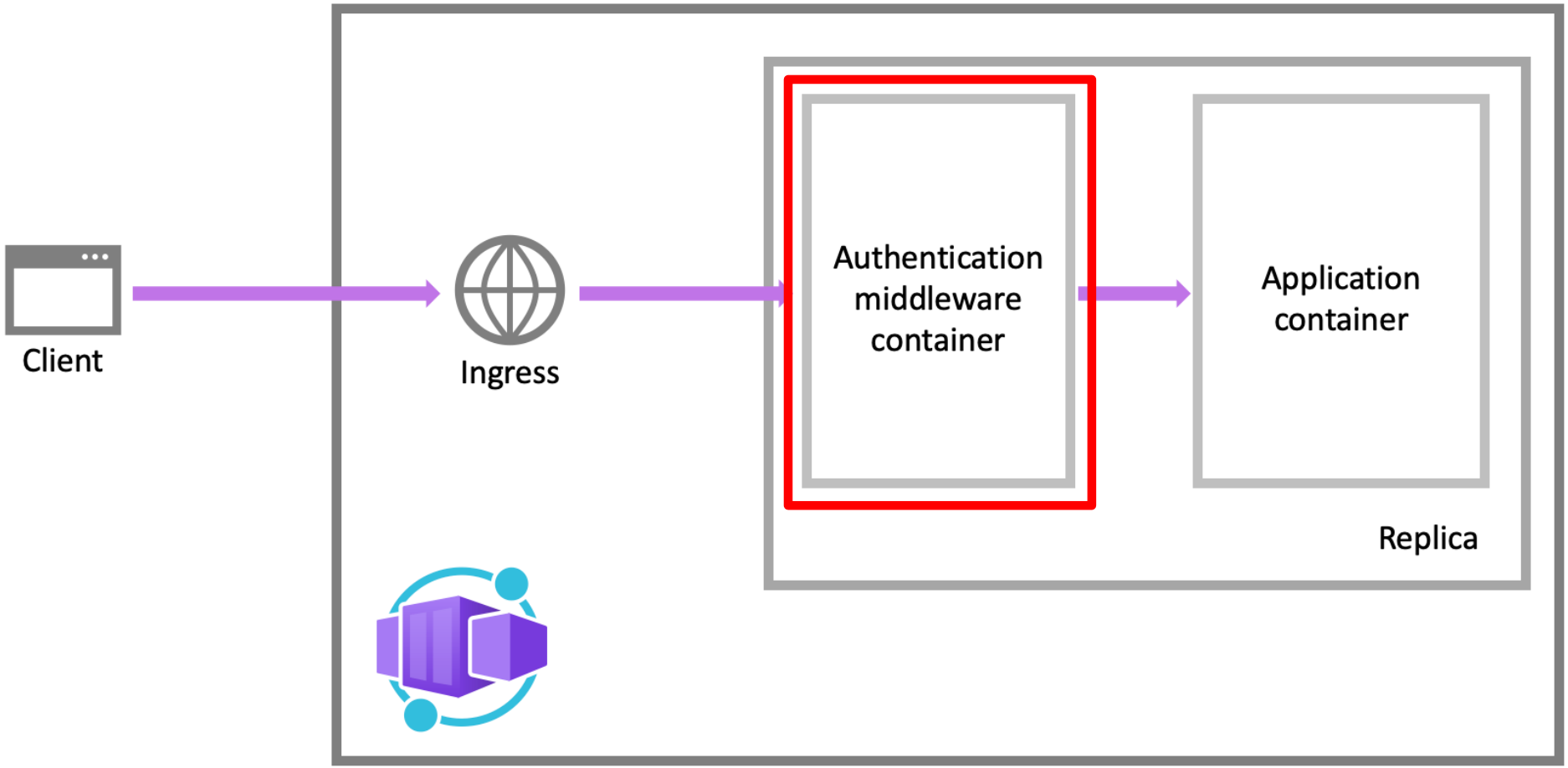
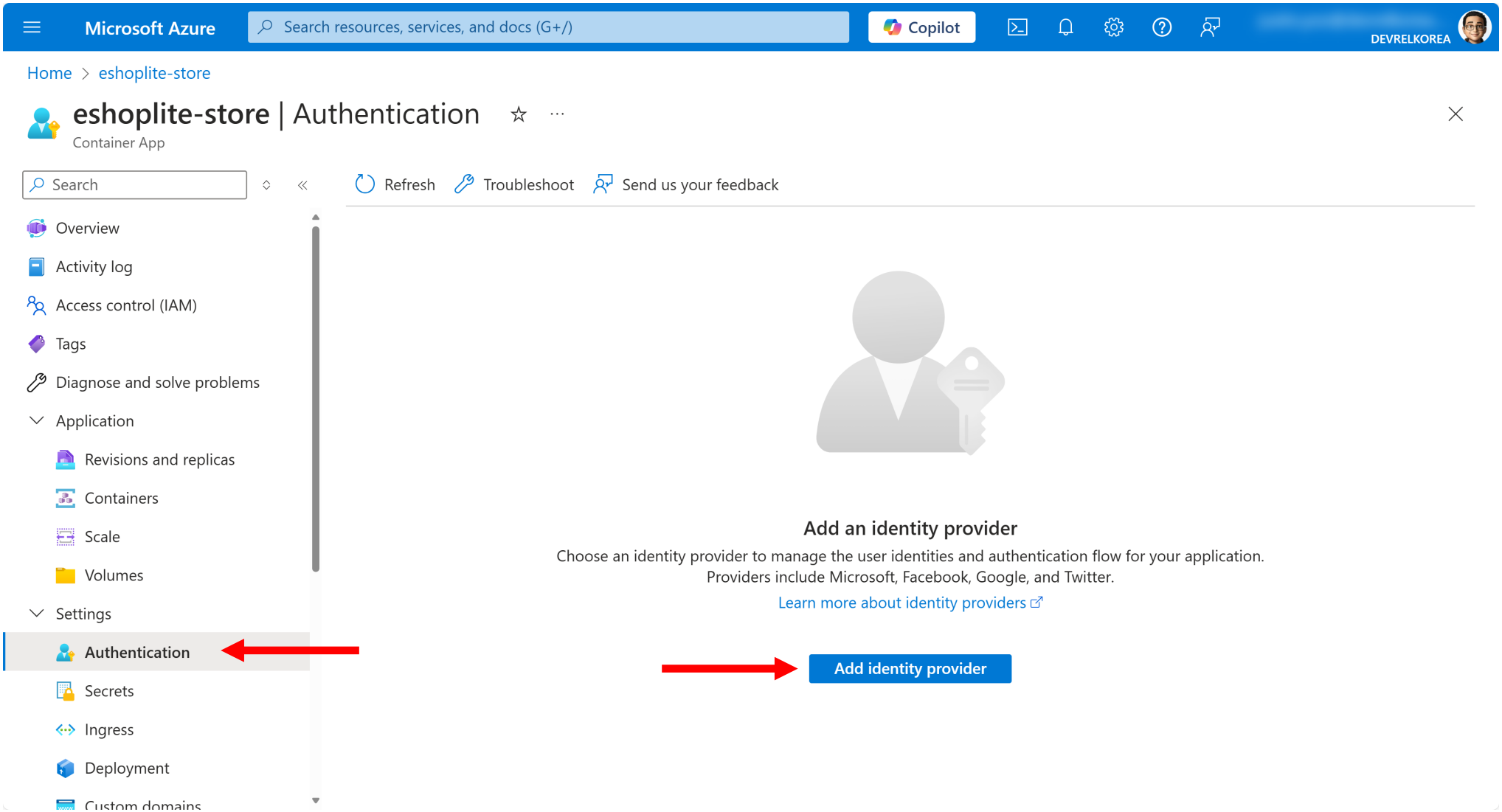


https://learn.microsoft.com/azure/container-apps/authentication



https://learn.microsoft.com/azure/container-apps/authentication

Azure PaaS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Copilot
DEVRELKOREA
Home > eshoplite-store
eshoplite-store | Authentication
Container App
Search
Refresh
Troubleshoot
Send us your feedback
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Application
Revisions and replicas
Containers
Scale
Volumes
Settings
Authentication
Secrets
Ingress
Deployment
Custom domains
Add an identity provider
Choose an identity provider to manage the user identities and authentication flow for your application.
Providers include Microsoft, Facebook, Google, and Twitter.
Learn more about identity providers
Add identity provider

Microsoft Azure | Search resources, services, and docs (G+/) | Copilot | DEVRELKOREA

Home > eshoplite-store | Authentication >

Add an identity provider

Basics | Permissions

Choose an identity provider from the dropdown below to start.

Identity provider *

Select identity provider

- Microsoft
  Sign in Microsoft and Microsoft Entra identities and call Microsoft APIs
- Apple
  Sign in Apple users and call Apple APIs
- Facebook
  Sign in Facebook users and call Facebook APIs
- GitHub
  Sign in GitHub users and call GitHub APIs
- Google
  Sign in Google users and call Google APIs
- Twitter
  Sign in Twitter users and call Twitter APIs
- OpenID Connect
  Sign in users with OpenID Connect

Add | < Previous | Next: Permissions >

Microsoft Azure | Search resources, services, and docs (G+/) | Copilot | DEVRELKOREA

Home > eshoplite-store

eshoplite-store | Authentication

Container App

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Application
  - Revisions and replicas
  - Containers
  - Scale
  - Volumes
- Settings
  - Authentication
  - Secrets
  - Ingress
  - Deployment
  - Custom domains

Refresh | Troubleshoot | Send us your feedback

You can choose an identity provider to manage user identities and authentication flows. Add providers here, edit settings, and decide which provider is handling authentication for your app. Learn more

Authentication settings Edit

Requiring authentication ensures that requests to your app include information about the caller, but your app may still need to make additional authorization decisions to control access. If unauthenticated requests are allowed, any client can call the app and your code will need to handle both authentication and authorization. Learn more

Container App authentication	Enabled
Restrict access	Allow unauthenticated requests

Identity provider

Add provider

Identity provider	App (client) ID	Learn more	Edit	Delete
Microsoft (spn-acadotnet01031)	[illegible]	Quickstart		

요청 헤더: X-MS-*

앱 전체에 적용

개별 페이지 적용하려면 커스터마이징

Demo:
Azure 빌트인 인증 (EasyAuth)

Azure 앱 서비스
Azure 컨테이너 앱
Azure 정적 웹 앱
Azure 펑션 앱

Azure 앱 서비스
Azure 컨테이너 앱
Azure 정적 웹 앱
~~Azure 평션 앱~~

04

마무리

AuthN 리뷰

AuthN 리뷰
인증용 클라우드 아키텍처 패턴 리뷰

AuthN 리뷰
인증용 클라우드 아키텍처 패턴 리뷰
Azure 빌트인 인증 서비스 리뷰

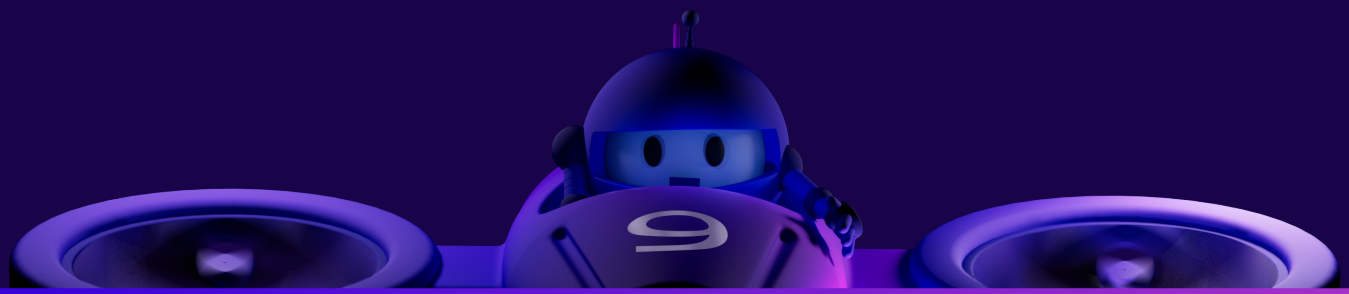
꼭 한 번 따라 해 보세요

Azure 앱 서비스
빌트인 인증

Azure 컨테이너 앱
빌트인 인증

Azure 정적 웹 앱
빌트인 인증

데모 앱 코드



Get .NET 9

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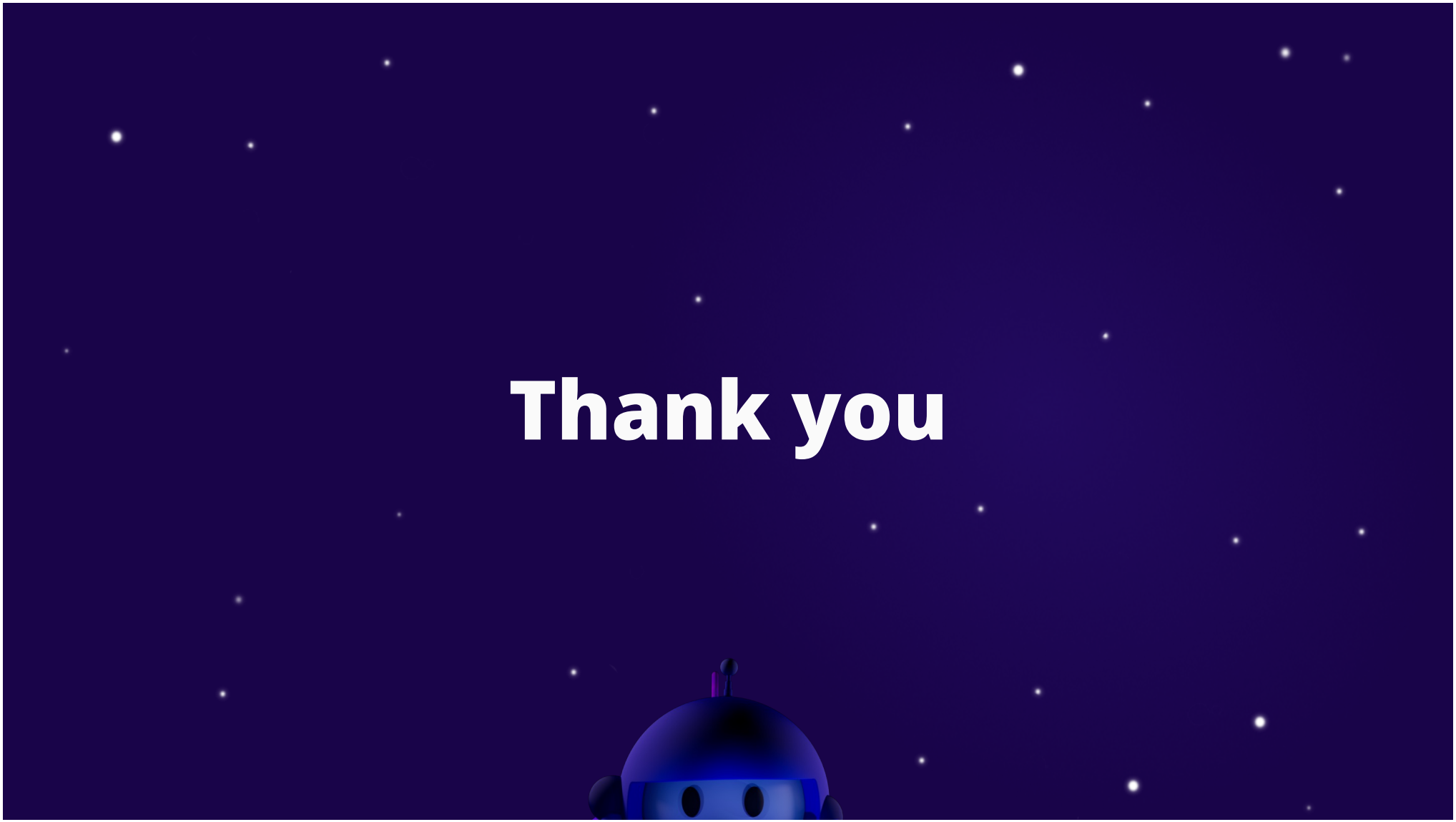
aka.ms/get-dotnet-9


Thank you