

# Azure API Management

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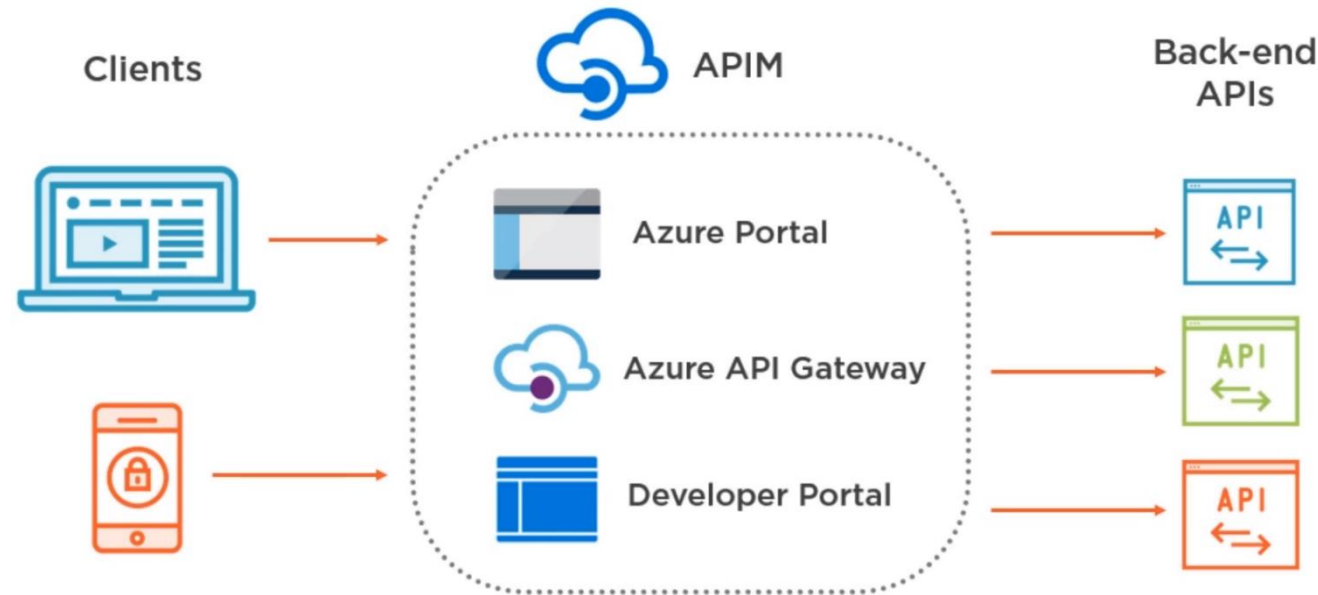


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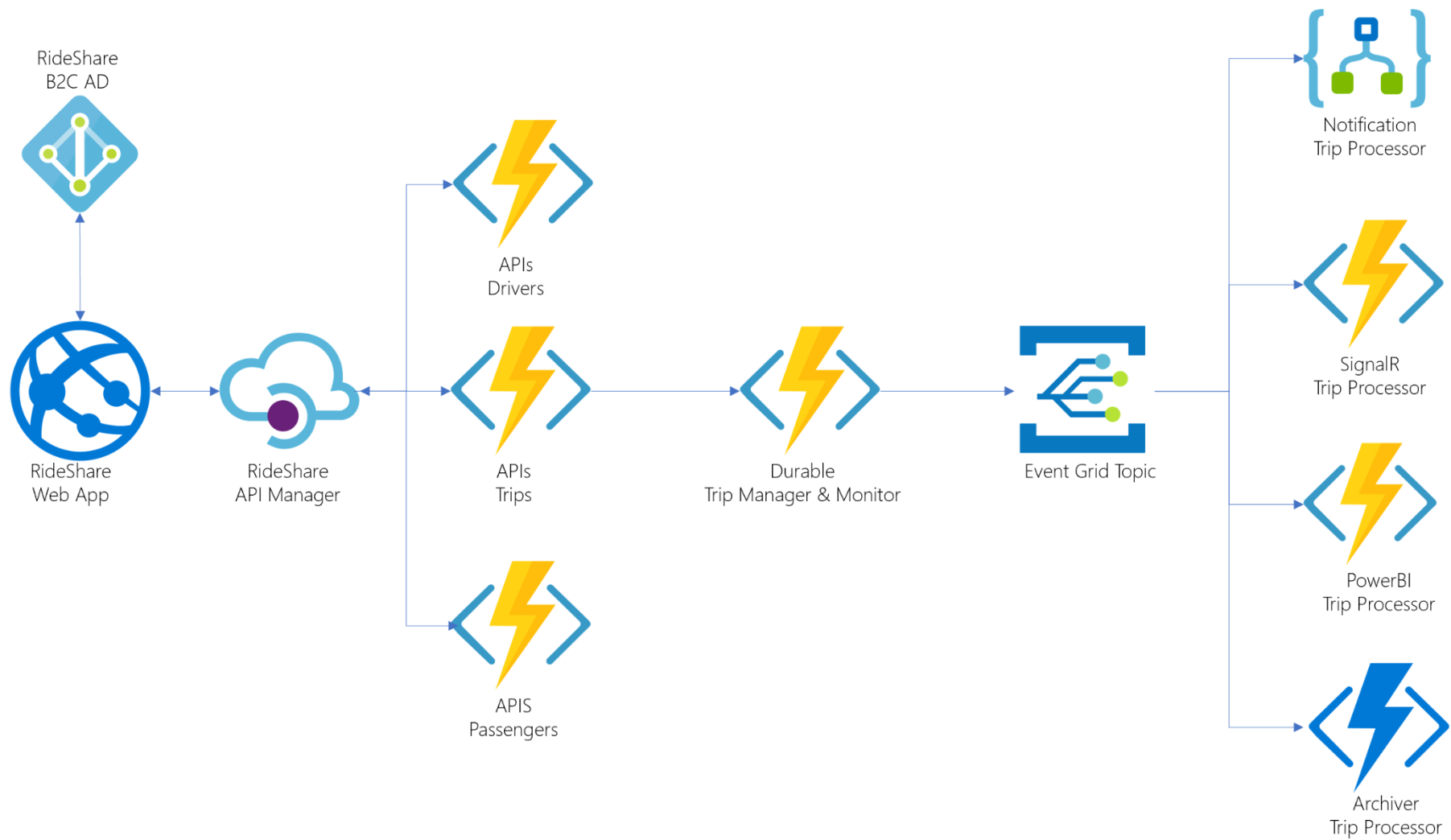


# What is Azure API Management?

API Management (**APIM**) helps organizations **publish APIs** to external, partner, and internal developers **to enable access** to the services and data



# Where is it used in the general architecture?



# Azure API Management structure



## Azure Portal

The Azure portal is The administrative interface to set up API program. It can be used to:

- Define or import API schema
- Package APIs into products
- Set up policies like quotas or transformations on the APIs
- Get insights from analytics
- Manage users



## API Gateway

The endpoint which provides:

- Accepts API calls and routes them to your backends
- Verifies API keys, JWT tokens, certificates, and other credentials
- Enforces usage quotas and rate limits
- Transforms your API on the fly without code modifications
- Caches backend responses where set up
- Logs call metadata for analytics purposes

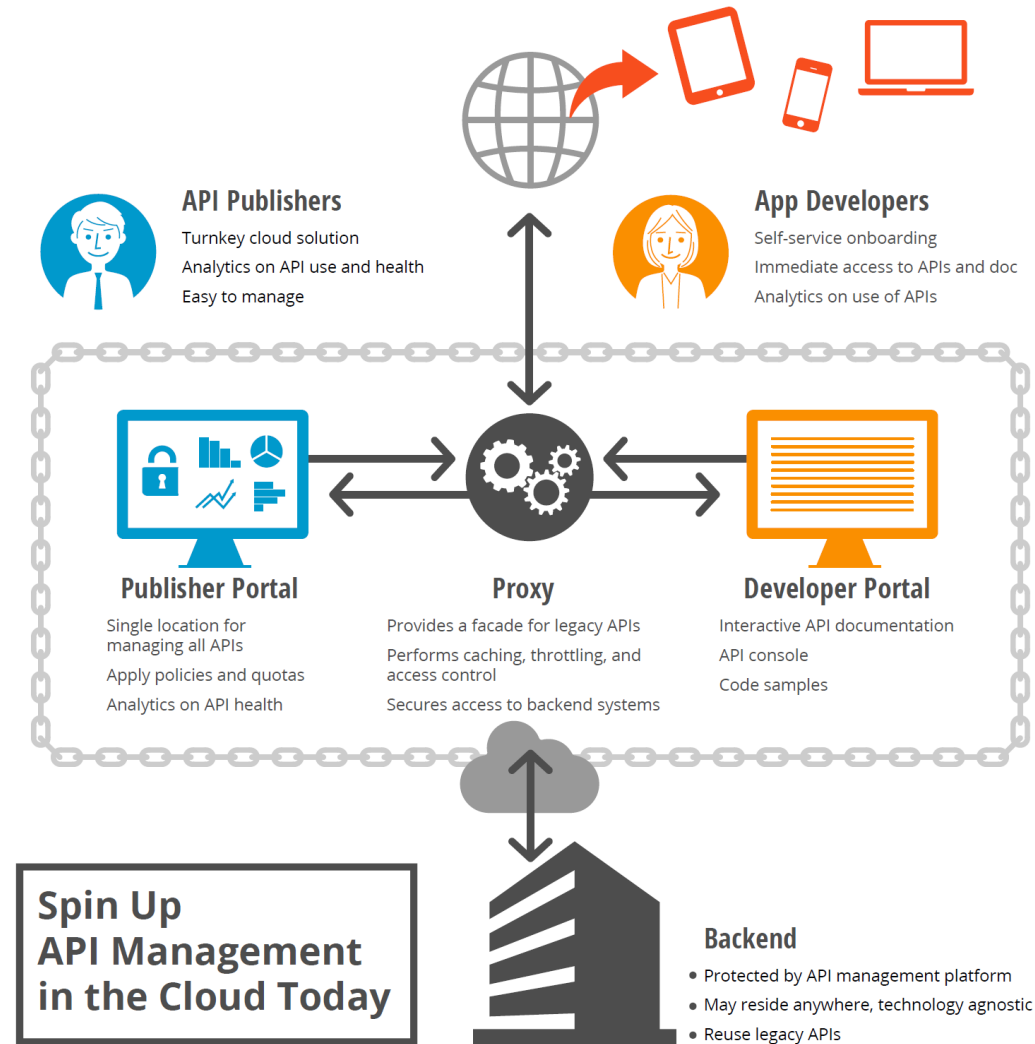


## Developer Portal

The web portal for developers, where they can:

- Read API documentation
- Try out an API via the interactive console
- Create an account and subscribe to get API keys
- Access analytics on their own usage


# Azure API Management structure



# Some advantages of the Azure API Management

- **Open platform with no dependencies on Microsoft technologies (supports all API types)**
- **Turnkey cloud solution that can be spun up in minutes (no salespeople, no negotiations)**
- **Supports global app deployment, with local cache in 15 regions around the world**
- **Developer portal automatically generated and maintained, with interactive API documentation**
- **Facade layer to decouple internal implementation (extending life of older APIs)**
- **All APIs accessible from a single “front door” URL, enabling discovery and centralized integration, no matter where backend systems reside**

# Feature-based comparison of the Azure API Management tiers

	Feature	Consumption <sup>PREVIEW</sup>	Developer	Basic	Standard	Premium
	Azure AD integration <sup>1</sup>	No	Yes	No	Yes	Yes
	Virtual Network (VNet) support	No	Yes	No	No	Yes
	Multi-region deployment	No	No	No	No	Yes
	Multiple custom domain names	No	No	No	No	Yes
	Developer portal <sup>2</sup>	No	Yes	Yes	Yes	Yes
	Built-in cache	No	Yes	Yes	Yes	Yes
	Built-in analytics	No	Yes	Yes	Yes	Yes
	<a href="#">SSL settings</a>	No	Yes	Yes	Yes	Yes
	<a href="#">External cache</a>	Yes	No <sup>3</sup>	No <sup>3</sup>	No <sup>3</sup>	No <sup>3</sup>
	<a href="#">Client certificate authentication</a>	No <sup>4</sup>	Yes	Yes	Yes	Yes
	<a href="#">Backup and restore</a>	No	Yes	Yes	Yes	Yes
	<a href="#">Management over Git</a>	No	Yes	Yes	Yes	Yes
	Direct management API	No	Yes	Yes	Yes	Yes
	Azure Monitor logs and metrics	No <sup>5</sup>	Yes	Yes	Yes	Yes



**LET'S START THE WORKSHOP!**

# Azure API Management – docs



[Azure API Management documentation](#)

