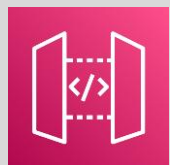


## Reference:

[FAQs](#)

## Category:

Front End  
Web and  
Mobile



Amazon API Gateway

### What?

- Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale. API Gateway supports containerized and serverless workloads, as well as web applications.
- It allows you to create RESTful APIs and WebSocket APIs that enable real-time two-way communication applications.

### Why?

- Amazon API Gateway provides developers with a simple, flexible, fully managed, pay-as-you-go service that handles all aspects of creating and operating robust APIs for application back ends. With API Gateway, you can launch new services faster and with reduced investment so you can focus on building your core business services.

### When?

- You want to use a managed service to save undifferentiated heavy lifting involved in securely and reliably running APIs (REST, HTTP, and WebSocket APIs).
- To save effort on API development and API management and generate client SDKs for a number of languages.

### Where?

- Amazon API Gateway is a regional service.
- An API endpoint refers to the hostname of the API. For the REST APIs the API endpoint type can be edge-optimized, regional, or private, depending on where the majority of your API traffic originates from.

### Who?

- Amazon API Gateway handles all of the tasks involved in accepting and processing concurrent API calls, including traffic management, authorization and access control, monitoring, and API version management.
- As an API developer, you can create and manage an API by using the API Gateway console, or by calling the API references.

### How?

- API Gateway acts as a "front door" for applications to access data, business logic, or functionality from your backend services, such as workloads running on Amazon EC2, code running on AWS Lambda, any web application, or real-time communication applications.

### How much?

- For HTTP APIs and REST APIs, you pay only for the API calls you receive and the amount of data transferred out.
- For WebSocket APIs, you pay for messages sent and received and for the time a user/device is connected to the WebSocket API.
- API Gateway also provides optional data caching charged at an hourly rate that varies based on the cache size you select.

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