



Amazon API Gateway

Amazon Web Services

What is API Gateway?

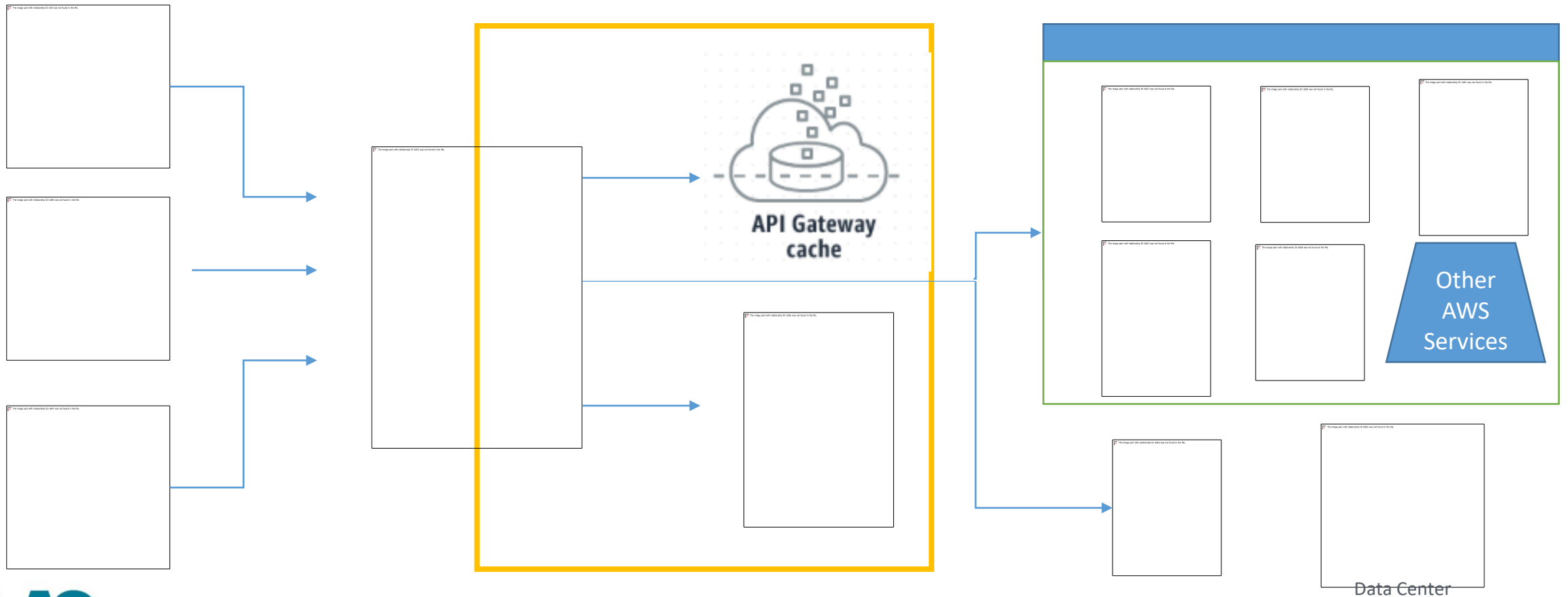
- API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale.
- You create an API that acts as a “front door” for applications to access data, business logic, or functionality from your back-end services, such as workloads running on Amazon EC2, Lambda functions, or any web application.
- Amazon API Gateway takes care of accepting and processing up to hundreds of thousands of concurrent API calls, including traffic management, authorization and access control, monitoring, caching and API version management.

Example

Hotel Comparison Websites



What is API Gateway?



Benefits of API Gateway

- Support for stateful (WebSocket) and stateless (REST) APIs
- Can integrate with AWS Lambda, Amazon Kinesis, and Amazon DynamoDB
- Ability to use IAM roles and policies, AWS Lambda Authorizers or Amazon Cognito user pools to authorize access to your APIs
- Track and control usage using API keys for selling your API as SaaS
- Canary release deployments for rolling out changes to ensure the risk of introducing a new software version
- CloudTrail logging and monitoring of API usage and API changes
- CloudWatch access logging and execution logging, including the ability to set alarms
- Ability to use AWS CloudFormation templates to enable API creation
- Throttle requests to prevent attacks
- Use API Gateway Domain by default, but you can use your own custom domain
- Supports AWS Certificate Manager

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Additional Networking Services