

Application Service

API Gateway



Easy API Creation, Management, and Monitoring

API Gateway is a service for convenient creation, management, and monitoring of APIs. It can be defined resources and methods related to APIs in a consistent manner and applied built-in security access. It can also easily and conveniently monitor API usage status and performance indicators.



Convenient API Management

Users can register and manage API with ease using a console, and managing access control is possible with Json Web Token(JWT). Users can also call Cloud Functions with API Gateway.



Reliable Traffic Processing

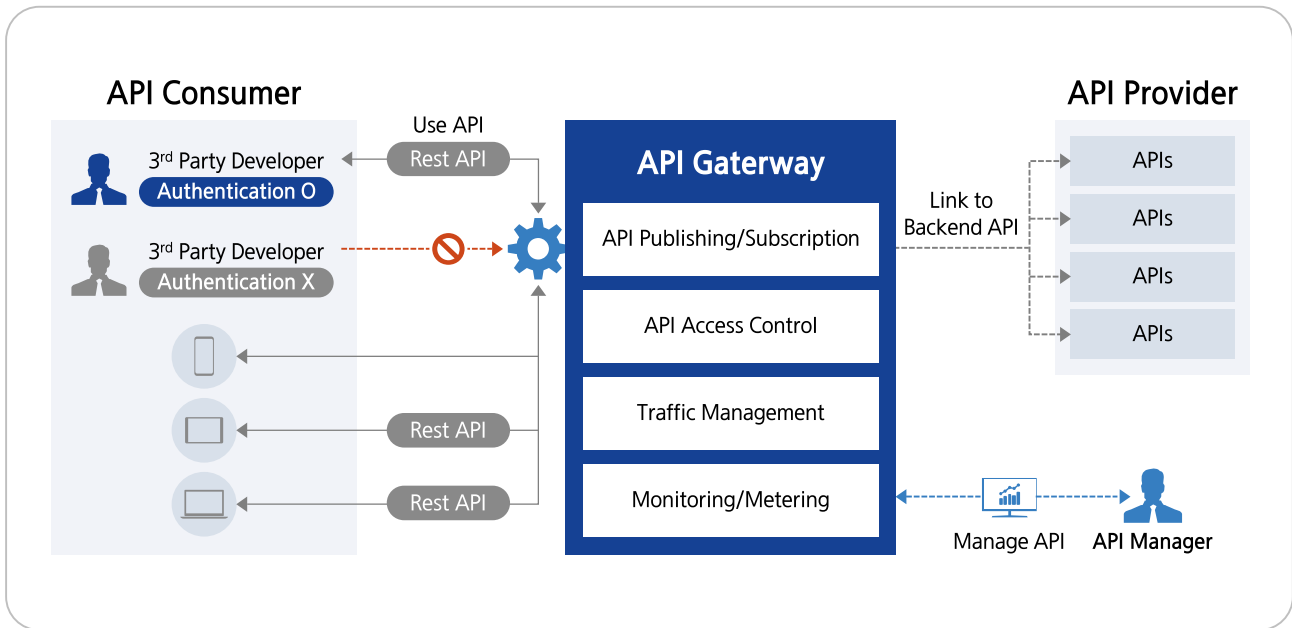
API Gateway can manage backend system traffic with usage planning. A usage plan can set the maximum number of calls per hour/day/month. This ensures stable service operation by preventing excessive traffic.



Easy Monitoring

The service provides a dashboard to view various management features and API usage status, such as API version management that connects different distribution versions for each stage. The performance indexes on API requests, response time and the number of errors can easily be monitored.

Service Architecture



Key Features

- **API management**
 - Custom domain name : Provide user own unique URL by associating a custom domain to API
 - Create and manage REST APIs : Define resources and methods (GET, POST, etc.) and set up authentication methods
 - API version and stage management : Run multiple versions of the same API simultaneously and manage changes
 - Response caching : Optimize performance and reduce backend load by caching frequently requested data
 - Routing : Route requests to different backend services based on URI path or request headers
 - Monitoring and logging : API Performance monitoring and logging
- **API security**
 - IP ACL settings : Strengthen security by controlling access to only specific IPs
 - Cloud Functions integration : Execute business logic based on external requests by linking with serverless computing
 - CORS support : Set up Cross-Origin Resource Sharing (CORS) to allow access to resources from other domains

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 www.samsungsds.com / cloud.samsungsds.com
 contact.sds@samsung.com / scp_sales@samsung.com
 youtube.com/samsungsds

