webaresoft

APINEX

Cloud-based, self-developed API Gateway & Management



Concerns about APIs

Are you facing these challenges?



CEO's Concerns

Business Scalability

I want to leverage APIs to quickly enter new markets and expand my business, but how can I efficiently integrate and manage multiple APIs?

Developer's Concerns

Strengthening API Security

To prevent external attacks and data breaches, I need to enhance API security policies and manage them easily. How can I achieve this?

CEO's Concerns

Operational Efficiency & Cost Reduction

How can I centrally manage APIs running on different systems to improve operational efficiency and reduce management costs?

Developer's Concerns

API Versioning & Automation

Managing multiple API versions consistently and deploying them is challenging. How can I automate deployment and security processes for more efficient operations?

CEO's Concerns

Solving the Shortage of Technical Personnel

We lack skilled personnel for API management. How can we efficiently manage and operate APIs with limited resources?

Developer's Concerns

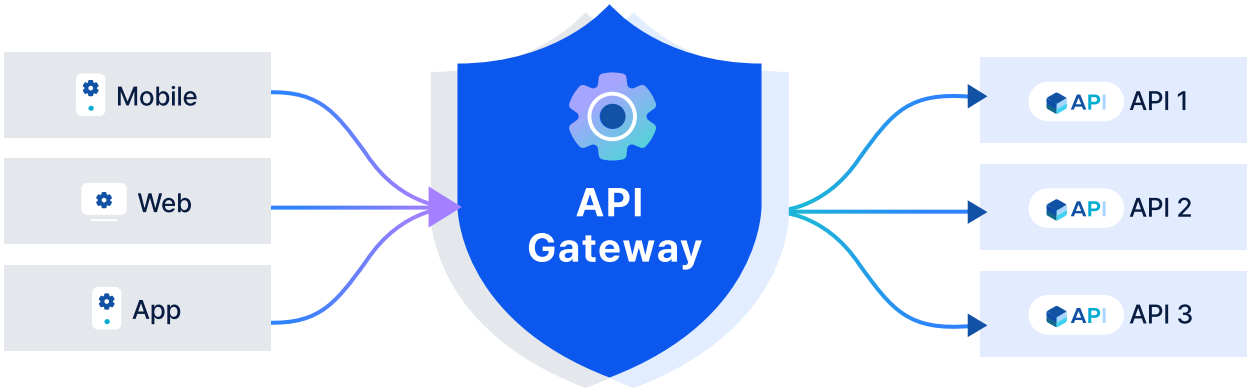
Real-time Monitoring & Issue Resolution

I need a system that can monitor API call issues and performance degradation in real time and resolve them quickly. How can I optimize this process?

APINEX, the ultimate API management solution for your success, solves these challenges.

APINEX Gateway

As public data initiatives and MyData projects become more active, the open data market has grown rapidly. To develop services or applications using open data, an API (Application Programming Interface) is essential. As a result, the market utilizing APIs is also growing rapidly.



Endpoint Integration | API Management | Security, Authentication, Authorization

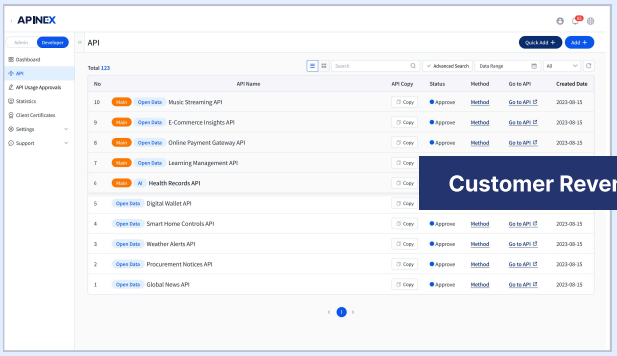
Traffic Control | Load Balancing | Monitoring

Building an API-based system is essential.

APINEX Gateway & Management

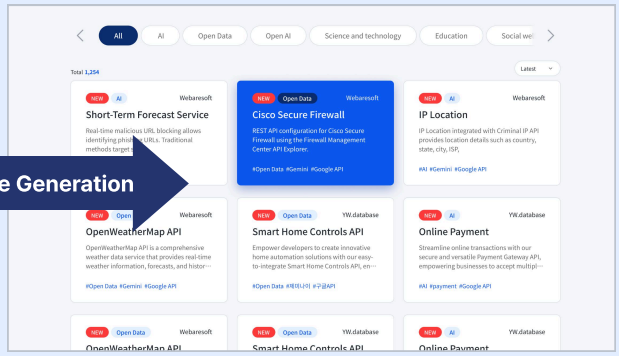
The APIM used in Open API platforms consists of an API Gateway for API mediation and a Management system for API administration. Additionally, the API Developer Center and API Portal support API commercialization and the application process for API usage.

API Developer Center



Customer Revenue Generation

API Portal



API Developer (Provider)

1 API Registration

2 API Publication

API Consumer

3 API Usage Request

4 API Usage After Approval

Core Technologies & Advantages





GS Certification
Grade 1

Self-Developed API Gateway

Leveraging extensive middleware technology experience, our self-developed Rust-based engine delivers exceptional stability and high performance. It also allows easy customization of specialized security features and tailored requirements for domestic customers, ensuring business continuity through rapid maintenance.

Cloud-Oriented & Cost Reduction

The engine optimizes CPU and memory usage (one process/multithreads), minimizing even auto-scaling and delivering higher performance with fewer resources (CPU, Memory). It is designed to reduce customer costs by over 50%.

Configuration & Security Application Without Downtime

Paent

API settings, usage control, and security measures can be applied seamlessly to running servers.

Easy API Version Management & Real-Time Deployment

API changes are stored and managed at the stage (version) level. APIs can be deployed and revoked in real time without restarting the API Gateway.

Built-In Monitoring & Minimal Downtime

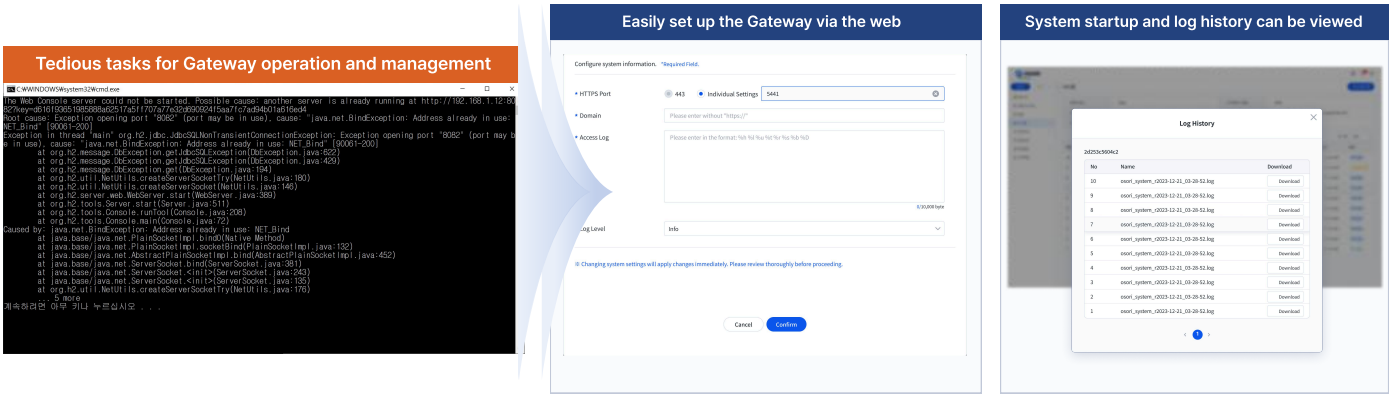
APINEX provides API Gateway and request processing monitoring without requiring agent processes or injection. It enables rapid issue resolution through API Gateway status management and detects API server errors via response status monitoring.

Easy API Gateway Configuration & Integrated Management via Web UI

No need to modify complex configuration files for API Gateway setup.

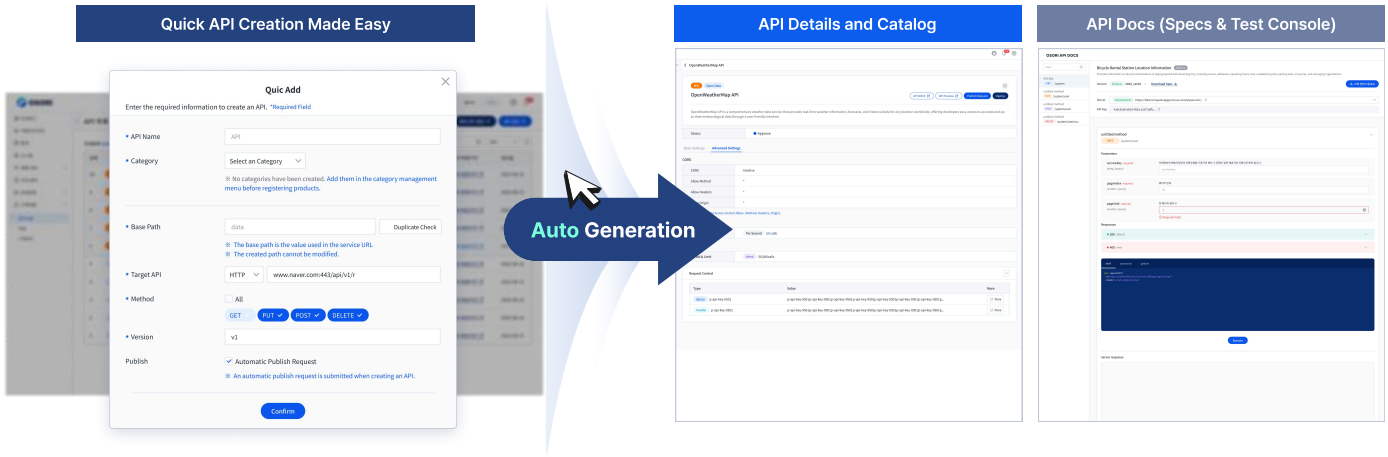
Easily Manage API Gateway on the Web

APINEX simplifies API Gateway setup and operation through web-based management, reducing complexity and building a stable API environment.



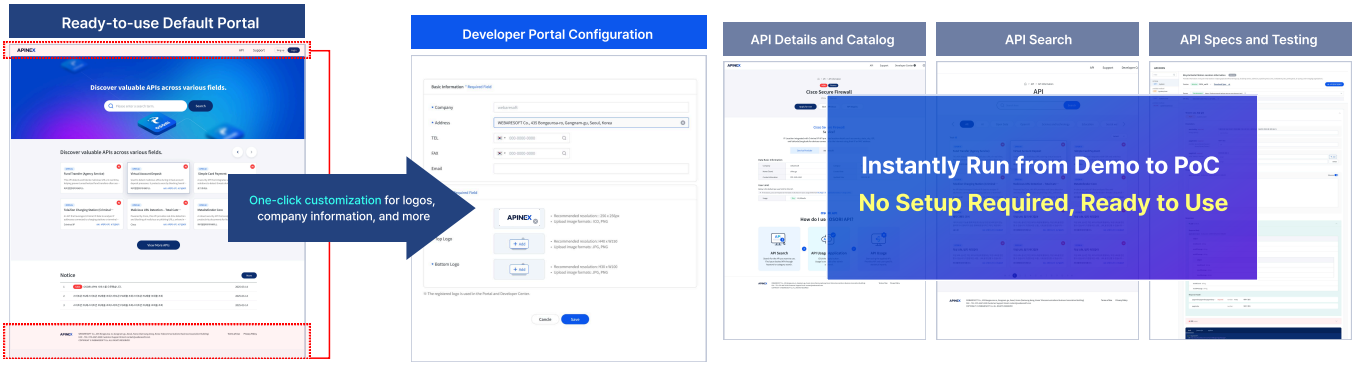
Easy API Registration with Auto Catalog, Docs & Test Env

APINEX automatically generates documentation and catalogs upon API registration, ensuring consistent governance and maximizing operational efficiency.



Public API Portal – Save Time & Costs, No Deployment Needed

APINEX provides a ready-to-use portal without separate deployment, supporting API management, operation, subscription, and statistics monitoring, with easy customization through simple configurations.



Competitor Comparison

Domestic API Gateways use open-source Java-based engines. Java-based engines have weaknesses in garbage collection (GC), dependencies on JDK, and difficulties in applying the latest SSL/TLS security standards.

To overcome these weaknesses, the APINEX Gateway Engine was developed in Rust.

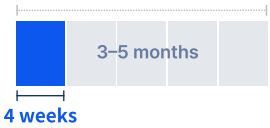
Category	Foreign Products (C Company, I Company)	Domestic Products (IN Company, ID Company)	APINEX In-House
System Deployment Time	8–12 months	6–8 months	2–3 months
Memory Issue Resolution	✗	✗	✓
Maintenance	Around 20 weeks	Around 10 weeks	Within 4 weeks
Price	200 million KRW	150 million KRW	100 million KRW
Performance (Processing Speed)	6,000TPS		11,000 TPS
Cloud Cost	40 million KRW / year		20 million KRW / year
Portal	High SI costs for API portal setup		API portal included without additional setup

Differentiation Through In-House Development

Using APINEX reduces API development workload by 2/3, API operation workload by 3/4, and API development and operation costs by over 60%. In cloud environments, it reduces operational costs by over 50% and provides higher performance with fewer resources (CPU, Memory).



40–50% Cost Reduction
Reasonable Pricing



Over 75% Reduction
Fast Maintenance



50% Cost Reduction
Cloud Efficiency



20% Perf. Gain
Enhanced Stability & Performance

APINEX Gateway with Reasonable Pricing, Fast Support, and Upgraded Performance

Key References

Private Sector

APINEX Gateway & API Manager: TeleZign Tablet PC Charging Storage System

- API Gateway: API mediation through web integration
- API Manager: Private API management (registration, version control, deployment, documentation, etc.)

Public Sector

APINEX Gateway & Management: Ministry of Trade, Industry, and Energy Automotive Industry Future Technology Innovation Open Platform

- API Gateway: API mediation for Open API users
- API Manager: API management for Open API providers (registration, version control, deployment, documentation, publication, and approval management, etc.)
- API Portal: API purchasing for Open API users (purchase requests, usage management, etc.)

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