Accelerate Innovation with the RapidAPI Enterprise API Hub
The Multi-cloud Platform for the Next Generation of APIs

The number of APIs in an organization is rapidly growing — from the hundreds to the thousands.

REST, SOAP, GraphQL, Kafka, and more. Today, organizations have invested in or are thinking about investing in different API types.

It is clear that the current API infrastructure cannot address the growing demand — a new platform is needed to address the next-generation of APIs.

RapidAPI Enterprise Hub is a white-labeled, internal API Marketplace used by developers, analysts, and product managers to discover and connect to internal APIs, as well as external API subscriptions. The API Hub integrates seamlessly with internal systems, supports all of your APIs, works with any API Gateway, and can be deployed on premises or across multi-cloud environments.

Once set up, engineering teams can publish their APIs into the RapidAPI Enterprise Hub. The Hub also includes a dedicated dashboard that enables your team to determine how APIs are accessed and consumed across the company. With the dashboard, they can view detailed analytics and monitoring information to ensure:

- Data security
- Compliance
- Adherence to SLAs

Additionally, companies can use the same RapidAPI’s Enterprise Hub as an external marketplace, enabling customers and partners to also find and connect to your APIs.

Key Benefits

- **Expedites Internal API Discovery:** With the average organization consuming more than 500 internal APIs, RapidAPI Hub enables developers to easily find and consume internal APIs.

- **Reduces Development Cost and Time:** Developers can break the silos, unifying around one platform to reuse existing APIs rather than duplicating them.

- **Accelerates Innovation:** Organizations can grant access to internal APIs to enable developers to develop prototypes and new capabilities.

- **Govern API Consumption:** The Hub’s dashboard gives organizations fine-grained access control over their APIs, enabling them to determine who has access to the APIs while establishing internal approval processes.

- **Visualize API Usage and Consumption:** Monitoring capabilities enable organizations to determine who is leveraging certain APIs and understand how they are leveraging them.

- **Enable Access for External Developers:** Enable development teams from partners and customers to access specific internal APIs.
**Internal API Hub**

As companies grow and split into multiple teams, they form “software silos” with each group responsible for a specific product or technology. Because each team creates their own APIs, there is little visibility into what each team is working on, resulting in code duplication, longer development cycles, and a lack of overall governance.

An API Hub provides a centralized catalog for helping developers, product managers, IT, and API creators to find, manage, and connect to all APIs — using a single key and SDK. An API Hub is branded with a company’s identity and enables organizations to create new efficiencies, accelerating the software development process.

Once set up, engineering teams can publish their APIs into the hub. RapidAPI supports all APIs, regardless of what Gateways or API management solutions they use. And, an API Hub provides management capabilities that enables administrators to govern and manage API consumption with enhanced visibility and control.

**Customer/Partner API Marketplace**

Organizations that want to drive innovation by opening up key APIs to channels, partners, and customers can additionally use RapidAPI’s API Hub as a customer and/or partner marketplace. Provides a centralized catalog for helping development teams from customers and partners find, manage, and connect to the APIs you designate — all using a single key and SDK.

Through the Customer/Partner API Marketplace, your organization can collaborate with other companies to create unique solutions and new monetization channels. In some cases, you will be able to reduce development cycles, creating stickiness to applications and services.

The RapidAPI Enterprise Hub sits in front of your API Gateway and works with other API management systems, enabling you to offer partners/customers an integrated experience.
RapidAPI Enterprise Hub Integrates Seamlessly with any API Gateway

An API gateway is an architectural component that sits in front of the server to perform certain standard functionality required to make the API ready for real-world use such as traffic management, API Key authentication, etc. The RapidAPI Hub is a single consolidation layer that sits in front of an API Gateway, enabling your developers to find, connect and manage the hundreds of APIs across all teams within your organization.

The RapidAPI gateway integration works by communicating with the gateway admin API to provision certain objects & forward logs back to the RapidAPI Hub. The RapidAPI Enterprise Hub integrates with leading third-party Gateways or the RapidAPI Gateway.
Key Features By Capabilities

**Consuming APIs**

- **API Discovery**
  - Deep Search - full text search across API name, description, API provider username
  - Search filtering by categories, tags and metadata
  - Search for endpoint by name within API documentation
  - API Collections - Custom pages of APIs grouped by publishing team or use-case
  - Homepage with previews from multiple API Collections
  - Analysis of APIs based on performance metrics and popularity

- **API Integration**
  - A view of all API endpoints & their parameters
  - Discussion forums to facilitate collaboration between developers using an API
  - Single application key for all APIs
  - Testing/Evaluation - view documentation and test APIs easily in browser
  - Comprehensive support for OpenAPI spec including schema details and examples for requests and responses
  - Support for code snippets to easily embed API connection into application: C, C#, Go, Java, Javascript, Node.js, Objective-C, OCaml, PHP, Powershell, Python, RapidQL, Ruby, Shell, Swift
  - Integration with RapidAPI Gateway or Third-party API Gateway via an abstraction layer

- **Consumption Management**
  - Developer dashboard for analytics and quick insights across all APIs consumed by team
  - Charts for daily active users, new users, and total users
  - Analytics (requests, errors, latency, group by individual applications) per API or per API endpoint
  - Access control - open access, by subscription, requested access, invitation from provider

**Publishing APIs**

- **API Design**
  - OpenAPI specification upload/import
  - CI/CD Integration
  - Postman Collection Import
  - HTTP client - visual editor and HTTP toolset
  - Team Collection & Collaboration
  - A set of extensions with the ability to add your own
  - Support for multiple API environments

- **API Publishing**
  - Dev experience features: spotlight on collections page, tutorials/FAQs per API
  - Open API Spec (2.0 or 3.0) (CI/CD integration)
  - Support for all API Types: REST, SOAP, GraphQL, Kafka [coming soon], WebSocket APIs [coming soon], gRPC APIs [coming soon]
  - Postman Collection Import
  - Open API authentication (per application and additional authentication capabilities)

- **Billing & Monetization**
  - Plans that can be defined as free, freemium, or paid (with quotas and hard/soft limits)
  - Monthly subscription or pay-per-use plans
  - Private plans that are available by invite only
  - Automatic charging and payment processing out of the box
  - Enforcement of DocuSign eSignature for contracts

**API Governance**

- **API Management**
  - Billing - manage billing information and API subscription and consumption data
  - Users - self-service onboarding, Single sign on integration and user provisioning via UI CSV import, Github import, AD integration, SCIM API
  - Granular controls to add/remove users from org or team, invite users to private plans, and restrict endpoint access per plan
  - Teams - Create/add teams, manage users, grant editing, viewing and access privileges, view usage and define approval process for publishing/consuming APIs
  - Customize API Collections and Categories
  - API Mocking
  - Transform API requests/responses on the Gateway layer
  - Support for Multiple environments
  - Threat Protection
  - Rate Limiting

- **API Monitoring & Analytics**
  - Dashboard for analytics and quick insight across all APIs consumed by the team
  - Analytics (requests, errors, latency) grouped by individual applications per API and API Endpoint
  - Ability to filter Analytics by API and API Endpoints
  - Ability to track, analyze and secure API access, publishing, and provisioning
  - Configure API as public, private or semi-private
  - Grant API editing, viewing, and access privileges by team
  - View API usage
  - Define approval processes for publishing APIs and consuming APIs
  - Provide API key per user application
  - View audit trails across all team and organization activity
  - Send announcements to all API users on newly added functionality or transitioning to a different version
  - Block or unblock specific users from API access
  - Invite specific users to private plans
  - Create plans restricting access to specific endpoints

**Security**

- TLS
- Schema validation
- Proxy Secret Key
- Fraud detection through third-party provider
- Threat Protection
- Rate Limiting
- 2FA
- API key rotation

**Other**

- **Flexible Deployment**
  - Cloud via AWS or Azure
  - Managed Private Cloud Environment:
    - Managed by RapidAPI
    - Separate, Air-Gapped network
    - Full visibility into all machines
  - On-prem support

- **Customization**
  - White labeled marketplace experience
  - Fully customizable UI: logo, style, images, messaging, colors, fonts, login methods, and layouts
  - Extend system through API integrations and plugins
  - Dark mode option
  - Custom Collections