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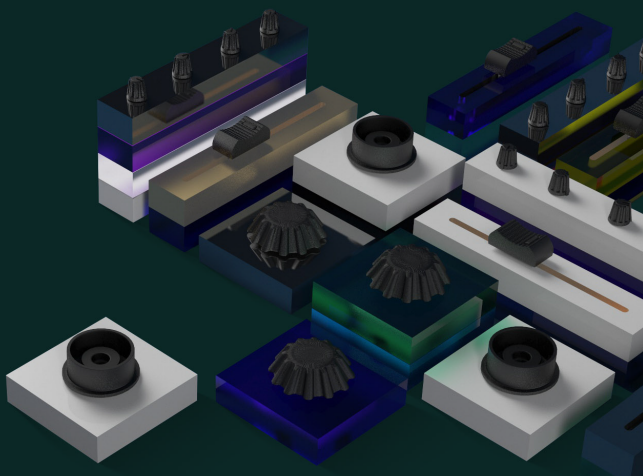
Kong Studio

Accelerated Design & Test



The shift to microservices is accelerating; according to IDC, “by 2022, 90% of all apps will feature microservices architectures.” [1] With this increase in complexity comes new challenges in standardizing, reducing deployment risk and maintaining efficiency across development teams. To meet these demands, organizations must provide robust tools to streamline design and testing of APIs regardless of platform, protocol or deployment type.

Kong Studio builds on the Insomnia API testing platform to provide a design and test suite that integrates natively with Kong Enterprise. Use Kong Studio to accelerate building of REST and GraphQL services, increase collaboration with shareable workspaces and standardize processes across teams with custom tags and environment variables.

[1]IDC FutureScape, 2018. https://www.idc.com/getdoc.jsp?containerId=prUS44417618

INCREASE DEV EFFICIENCY

Automate testing with OAPI Linting. Create code snippets and push to KE with one click.

MINIMIZE PRODUCTION RISK

Create mock endpoints and chain requests to test complex production use cases.

ENCODE GOVERNANCE

Test popular auth methods. Build plugins to automate testing of workflows.

Design and Test for Scale

BUILD IN REST AND GRAPHQL

Design and test REST and GraphQL spec files in a single environment. Use Git Sync to integrate with CI/CD tools.

DEDICATED WORKSPACES

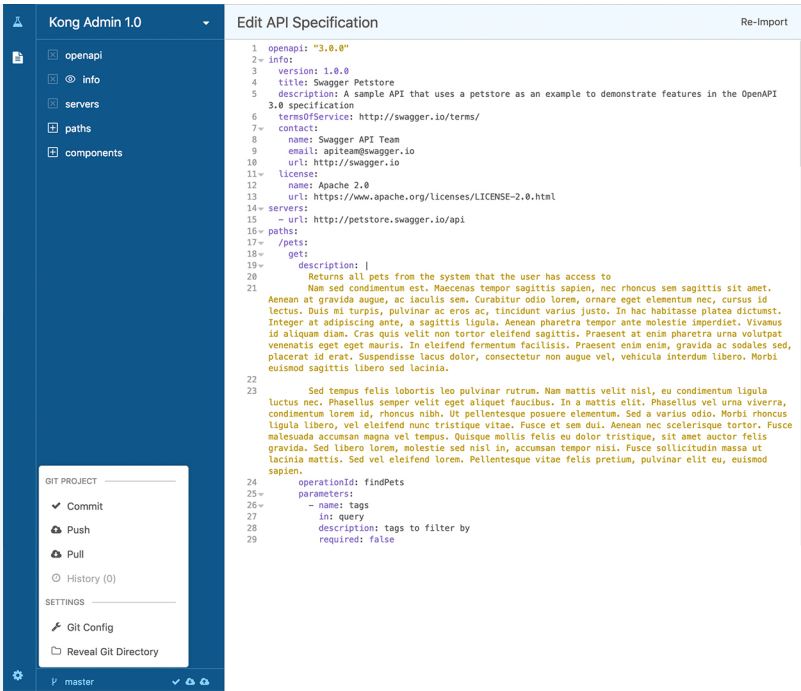
Provide teams and individuals their own workspaces. Share test data between teams with bulk import/export.

REQUEST CHAINING

Simulate the full lifecycle of a REST or GraphQL request. Link requests and responses for complex workflows.

CODE SNIPPET GENERATION

Automatically generate code snippets in 12 languages. Copy directly into your code with a few clicks.



[1] IDC projections

Kong Studio

Use Cases

Enable Spec-First Development

Use Kong Studio's streamlined workflows, robust debugging tools and collaboration capabilities to reduce friction in transitioning to spec-first development practices. Automate code analysis for REST services with OAPI linting to minimize manual activities and reduce risk.

Accelerate Deployment

Set notifications and parameters to identify inappropriate use of services by internal and external developers. Restrict permissions for developers in violation of internal policies to ensure appropriate use within, and outside, your organization.

Enable New Protocols

Unlock GraphQL for your team with spec editing directly in Kong Studio. Provide a consistent experience for your developers with the same testing and collaboration tools between REST and GraphQL. Create custom environment variables and plugins to test complex workflows.

Increase Collaboration

Share workspaces with team members to collaborate on design and test activities with real-time data synchronization. Enable easy sharing of test data between teams with easy imports and exports in Insomnia, Postman v2, HAR and Curl formats.

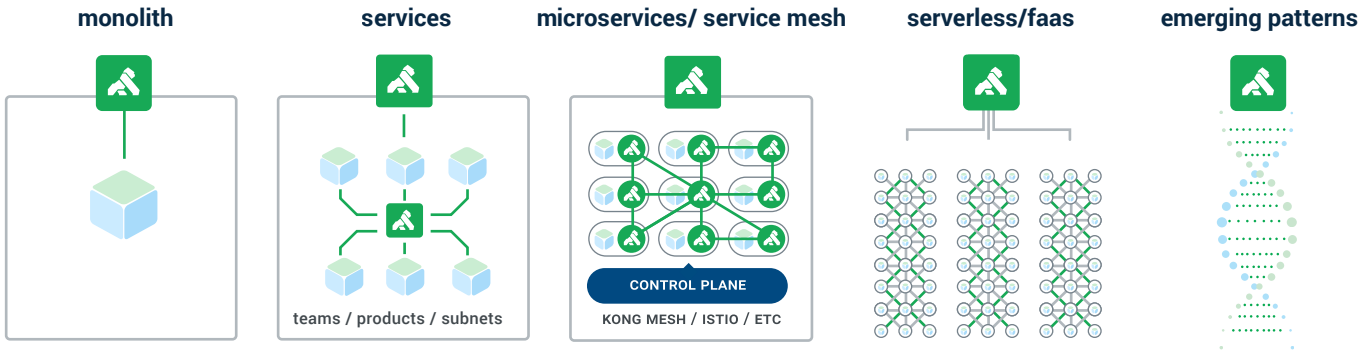
Test Production Conditions

Minimize deployment risk with tests that reflect your production environments. Chain requests to understand dependencies throughout the end user's entire journey. Create custom environment variables to understand different scenarios.

Increase Governance

Test service interactions with popular authentication methods, including OAuth. Build plugins for custom to ensure compliance with your organization's policies. Encrypt end-to-end to ensure appropriate data privacy and security within Kong Studio.

One Platform, Many Patterns



Running Mission-critical Microservices & APIs On **Kong Enterprise**

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Kong provides a next-generation service information control platform to intelligently broker information across modern architectures. The world's largest companies, financial institutions, and government agencies use Kong to orchestrate, secure, manage, and monitor their service information infrastructure.