

3 REASONS YOU NEED AN API GATEWAY FOR MICROSERVICES APPS

A microservices architecture offers valuable benefits, but also poses unique challenges that API gateways help address.

1

SIMPLIFIES APPLICATION COMMUNICATION AND MANAGEMENT

Managing and secure communication between client applications and a set of microservices that can scale dynamically can become very complex. Adding an API gateway introduces an intermediary that can abstract the individual service connections and improve performance by minimizing the manual maintenance involved in manually validating each of these connections.

ENABLES DEVELOPERS TO FOCUS ON INNOVATION, NOT ADMINISTRATION

Modern API gateways allow for cloud-native application developers to use diverse technology stacks and communication protocols for microservices in their applications. They also shield service details, allowing developers to change service logic using different technology stacks, ensuring a consistent user interface.

2

PROVIDES SCALABLE, DISTRIBUTED SERVICE MANAGEMENT AND DISCOVERY

The elastic nature of the cloud provides for scalable and resilient services that require load balancing, service discovery, and recovery. Modern API gateways can surpass traditional proxies by enhancing resource utilization and user performance with advanced load balancing algorithms, enabling sophisticated traffic routing and supporting features like service retries, redirecting requests, and graceful error handling.

3

Find out how Gloo Gateway can work for you:
<https://www.solo.io/products/gloo-gateway/>