

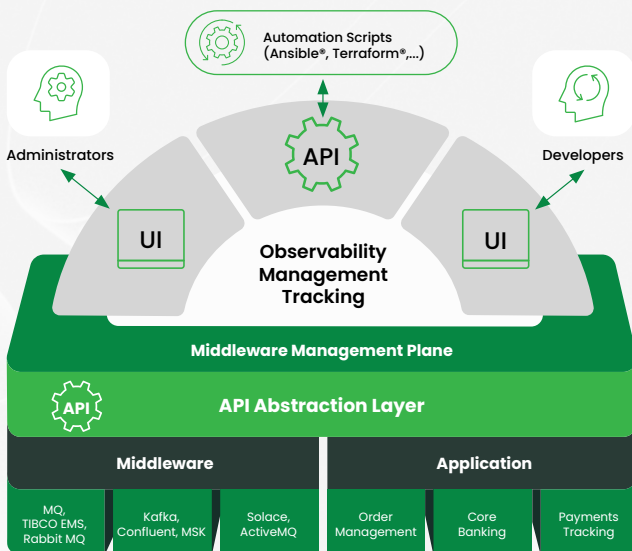
Smart Automation: Drive AI automation with APIs

INTRODUCTION

A large corporation typically uses ten or more different types of messaging and streaming platforms and managing them can be cumbersome and time consuming. Additionally, these platforms utilize different deployment and configuration mechanisms. This becomes a major roadblock for infrastructure-as-code initiatives. Developers must use the API exposed by each platform version and code against it and be prepared for the changes to the underlying API and keep up with the changes over time.

Organizations trying to automate infrastructure using tools like Ansible or Terraform find that the effort is 10X as each messaging and streaming platform exposes a different API. This causes delays and sometimes these platforms are simply excluded from automation initiatives due to complexity.

meshIQ provides APIs for Smart Automation



meshIQ API BENEFITS



Write scripts once & deploy across platforms



Code against APIs and rollback changes, if needed



Reduce learning curve for app developers

CHALLENGES

Enabling DevOps automation for Messaging and Streaming platforms

Handling high volume of service tickets with limited resources

Scaling automation logic across multiple middleware technologies

Reducing key person dependency risk for legacy middleware

AUTOMATION BENEFITS

✓ FASTER DEPLOYMENTS & CONFIGURATION MANAGEMENT

Reduce complexity and time by automating installation, configuration, and updates, reducing manual effort and deployment time

✓ CONSISTENCY & STANDARDIZATION

Configurations remain uniform across development, testing, and production environments as Ansible playbooks enforce best practices, reducing human errors

✓ SCALABILITY & FLEXIBILITY

Easily scale messaging and streaming services across multiple servers or cloud environments, automate dynamic scaling based on workload demands

✓ REDUCED OPERATIONAL COSTS

Automate routine tasks like patching, updates, and health checks, freeing engineers for higher-value work while minimizing human intervention, lowering labor costs and reducing downtime

✓ IMPROVE SECURITY & COMPLIANCE

Enforce security policies consistently across all platform deployments and automate SSL/TLS configurations, access control, and compliance checks

✓ HIGH AVAILABILITY & DISASTER RECOVERY

Automate clustering, failover, and load balancing for better reliability while ensuring quick recovery with automated backup and restore procedures

✓ INTEGRATION WITH DEVOPS & CI/CD PIPELINES

Automation fits seamlessly into CI/CD workflows which ensures faster and more reliable application deployments



A single set of APIs provided by meshIQ has automated our deployments across Kafka, Solace, TIBCO EMS & IBM MQ, reducing our service tickets by 50% & improving response time by 90%



- Large Financial Institution, US



meshIQ's APIs helped us standardize on one set of APIs across our entire messaging and streaming infrastructure, enabling us to get the data into our observability data lake, reducing MTTR & MTBF by 63%



- Large Financial Institution, France

meshIQ SUPPORTED PLATFORMS

IBM®	MQ® (Message Queue) and MQ Appliance® ACE® (App Connect Enterprise) DataPower and DataPower Appliance IBM Integration Broker® (IIB) IBM Integration Bus® Sterling® Managed File Transfer® Universal Messaging®
Other MQ	ActiveMQ® RabbitMQ® Red Hat AMQ®
Kafka®	Apache® Amazon MSK® (Managed Streaming Kafka) Confluent®
Web & App Servers	BEA Web Logic®
Solace®	PubSub+ Platform®
TIBCO®	EMS® (Enterprise Message Service)
Microsoft®	Azure SB® Microsoft MQ®

CUSTOMER REALIZED BENEFITS

\$15M 	Increased Revenue From Improved Uptime
70% 	Decrease in Tier 3 Support Cost
45% 	Reduction in MTTR



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