

From Flea Market to Ecosystem: API Transformation with WSO2

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Kuehne+Nagel: A Legacy of Excellence in Logistics



1890

Founded in 1890 by August Kuehne and Friedrich Nagel in Bremen

100

100 countries connected by our network

400,000

400,000 customers trust us with their logistics

80,000+

80,000+ professionals in logistics and supply chain

1300

Nearly 1300 locations worldwide

#1

No. 1 sea freight and air freight forwarder worldwide

KNITE to the rescue!



Kuehne+Nagel New IT Ecosystem

- Renew the IT ecosystem
- Data more accessible and actionable
 - Standardised processes
 - Self-service capabilities



The Vision

We envision a world where developers easily navigate through the interface landscape of KN and quickly and confidently build their own services and products on top of a stable and reliable foundation of KN services.



Federated Governance

Categorize APIs by Business Capabilities

- Promote cross Business Unit APIs without limiting specific use cases
- Experts own and curate branches with Business Units/IT collaboration

Centralize and Standardize APIs

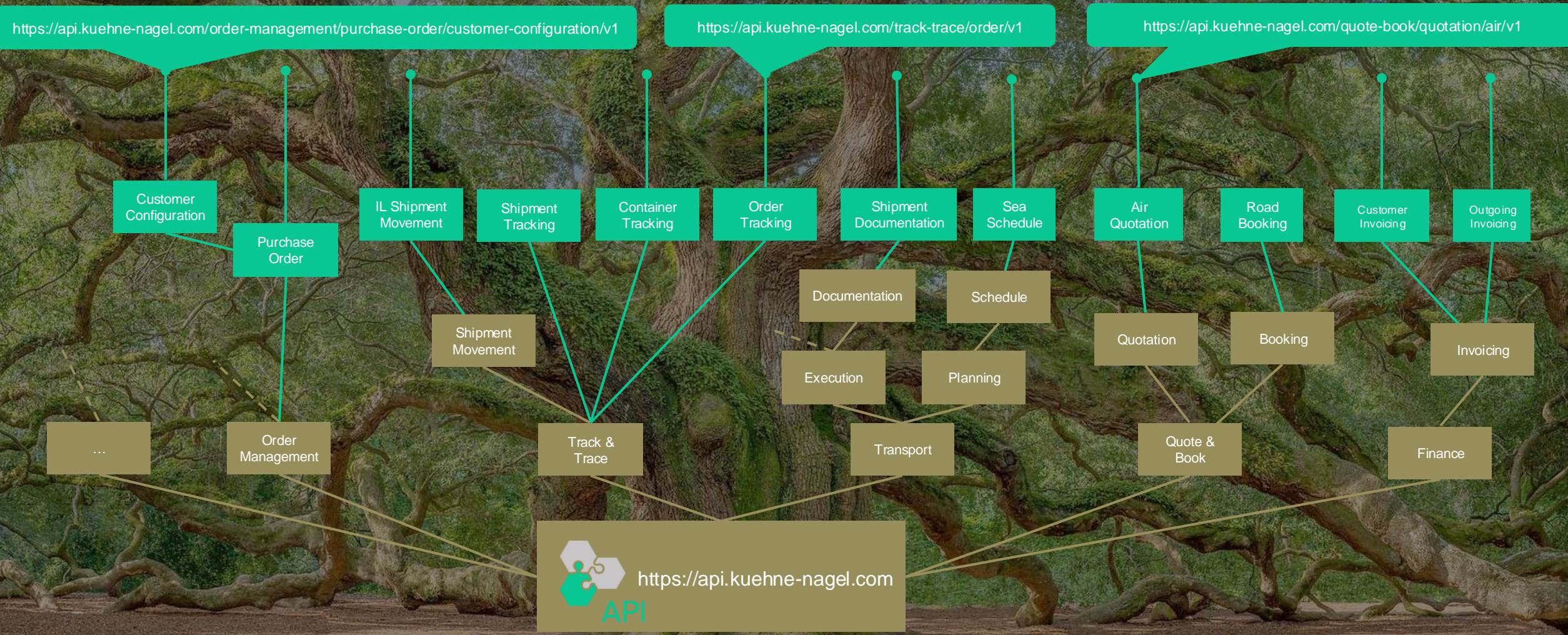
- One API, multiple backend applications
- Enables behind-the-scenes refinement/refactoring

Socialize Mindset

- Adopt API First and treat API as a Product across all Business Units

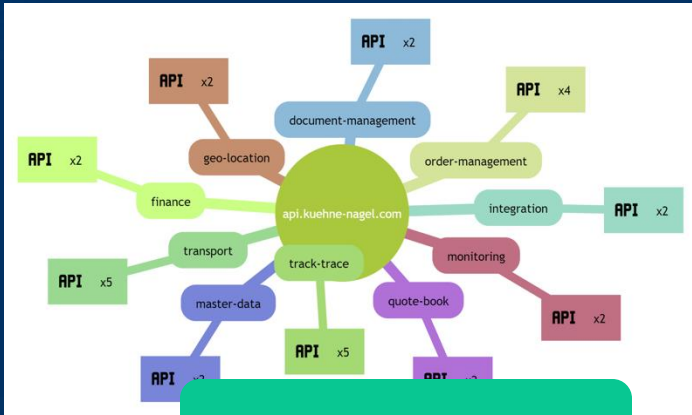
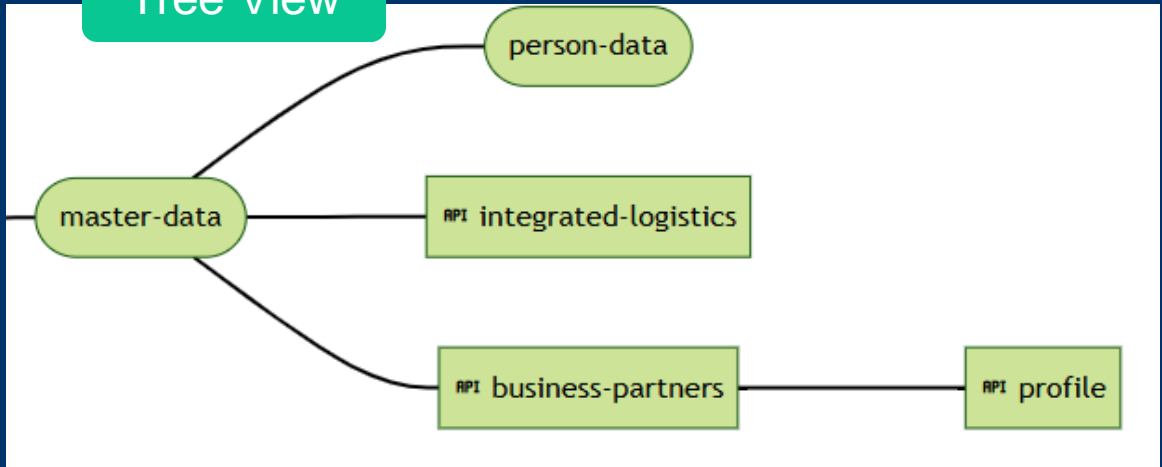


API Context Tree





API Context Tree Views

Tree View



Mindmap View

Context Branch Owner View

OWNER	CONTEXT BRANCHES	# APIS
 John Doe E-Mail	sales-marketing/sales	0
 Alex Smith E-Mail	user-management , document-management , master-data	6

Context Branch Owner

Branch “Product Owner”

API landscape curation

Alignment with providers, consumers and APIM team

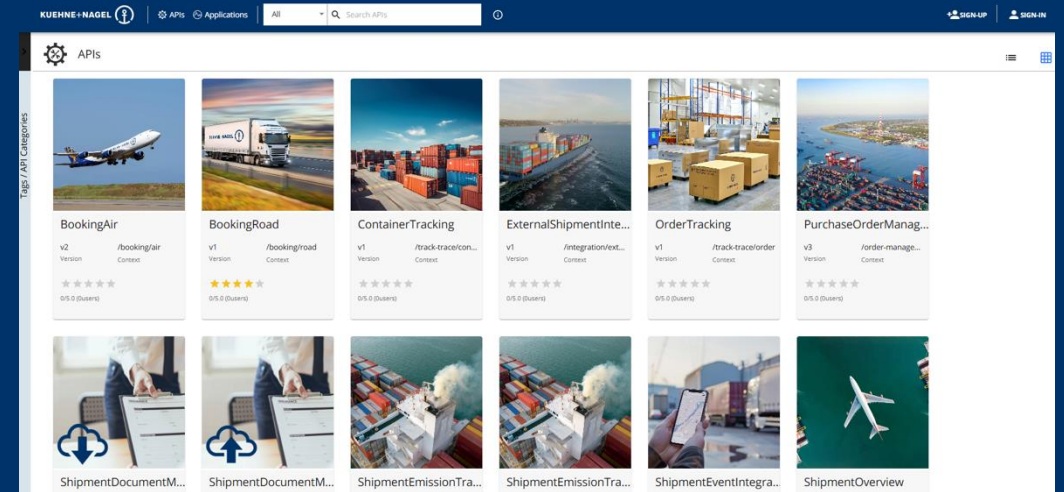
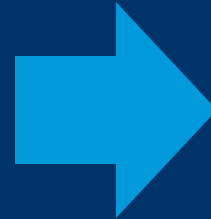
API first / API as a Product principles advocacy

Vision for the branch’s evolution



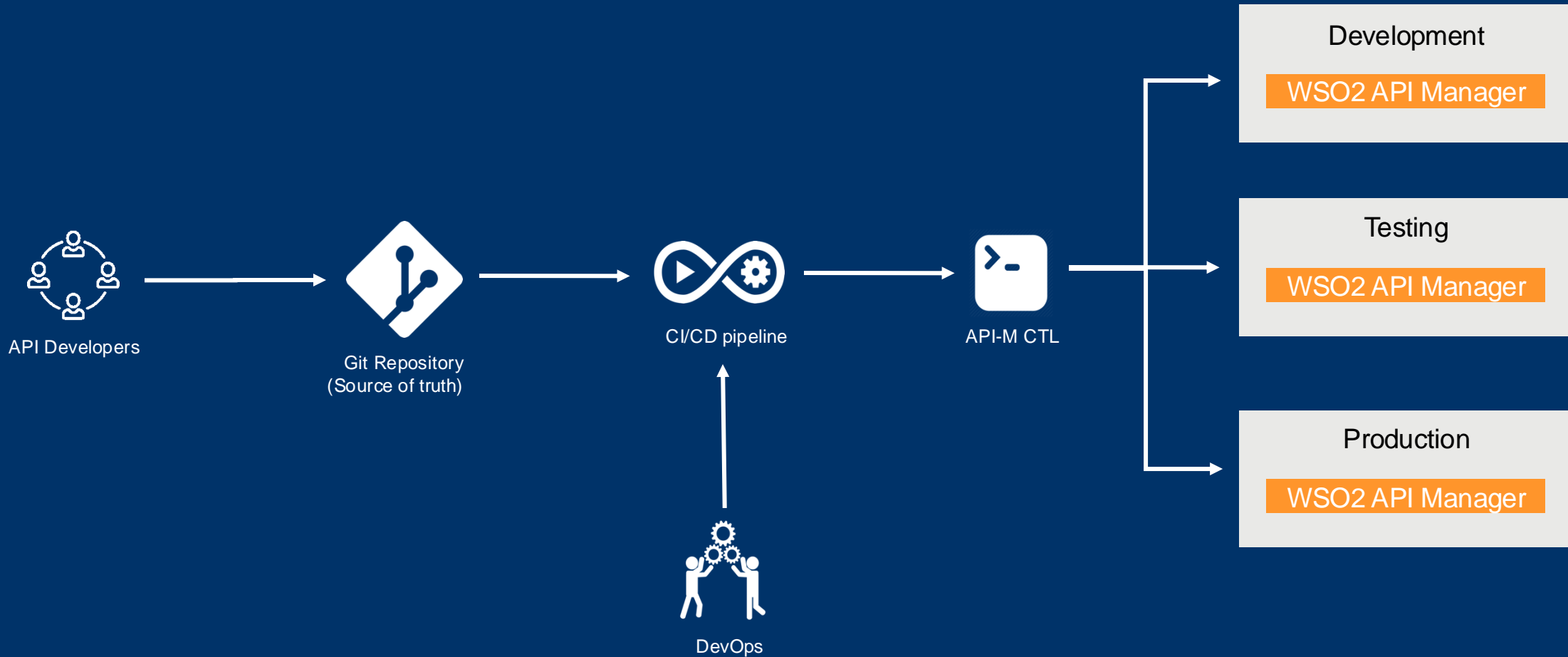
Self-service approach

APIM Portals



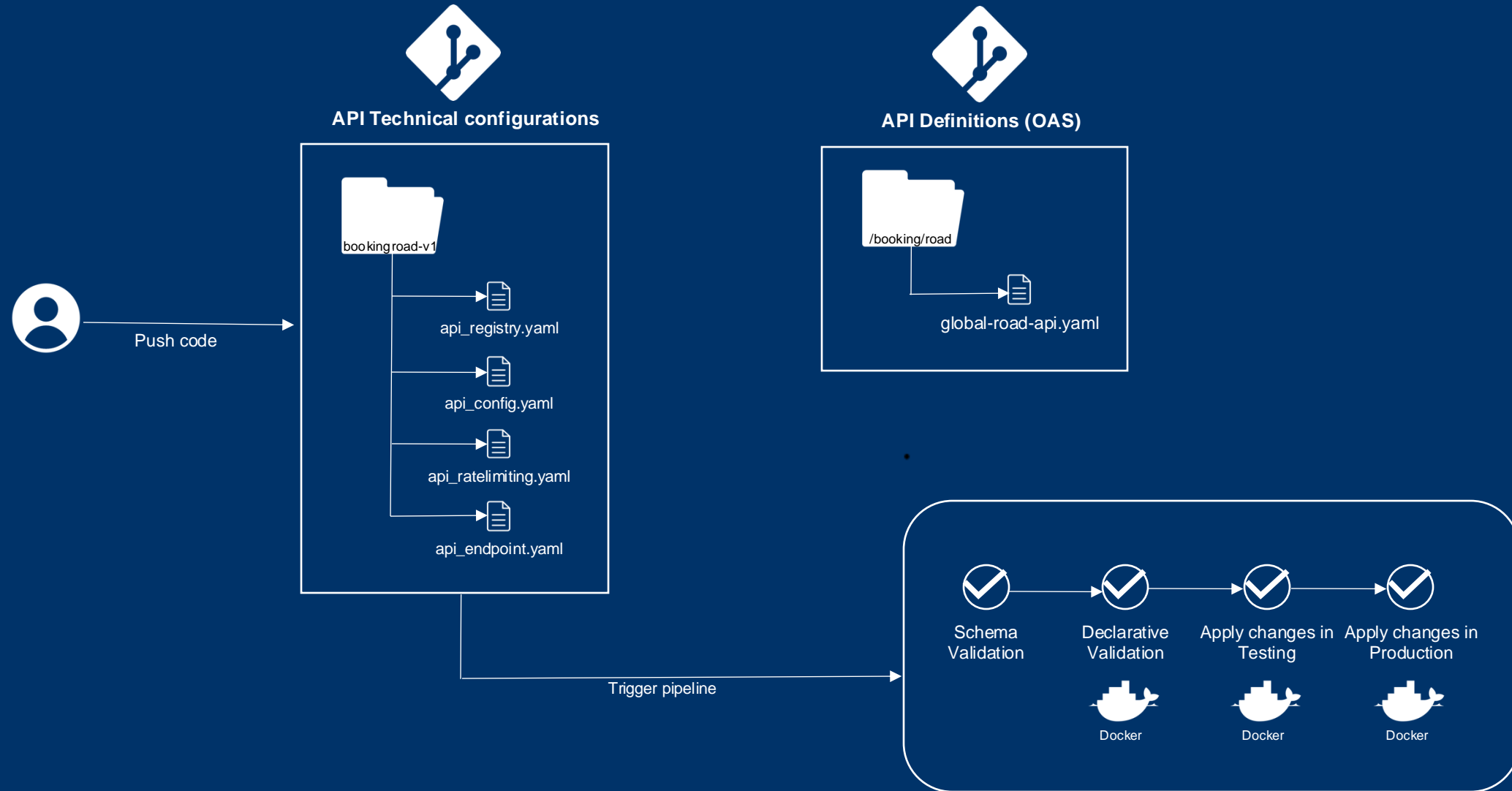
Self-service approach

APIOps with API-M CTL

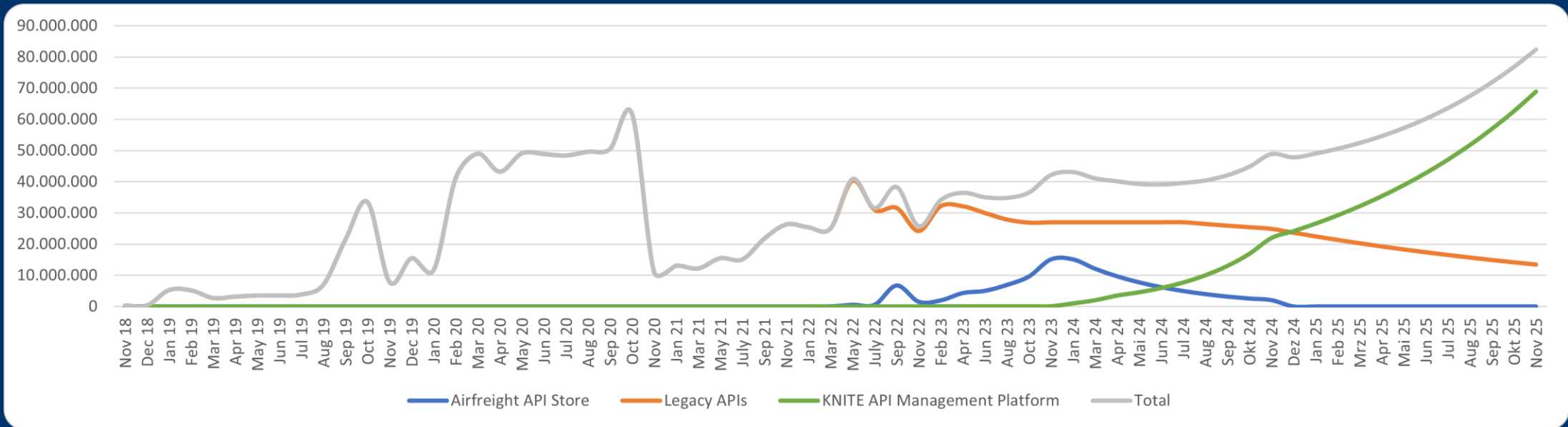


Self-service approach

APIOps with API-M CTL



APIM Platform usage evolution



Inspire. Empower. Deliver.

