

/serverless/ DAYS

ANZ
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Demystifying API Management for Serverless Services

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Thanks to our
sponsors





Hello!

Vanjikumaran Sivajothy

Committer and PMC - Apache Synapse

Senior Lead Solution Engineer - WSO2



Vanjikumaran



APIs

APIs are the Products of the 21st Century

API Deployment

Bare Metal



Virtual machine



Container



Manage servers

Operate servers

Secure servers

Challenges

Time to Market

Scale servers

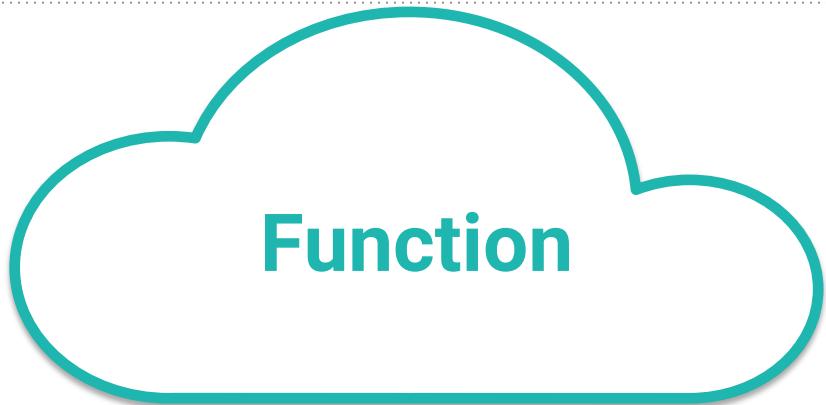
Idle time Cost





Serverless Functions

So what is **Serverless Computing**?



Some Serverless Function Providers

1



2



3



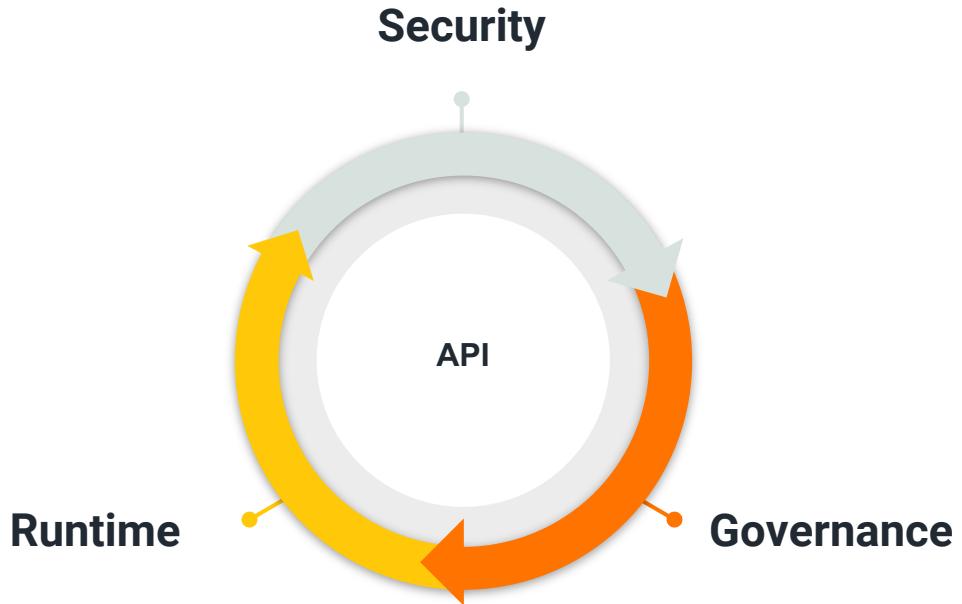
4





API Management

Core Triangle of API Management



API Management: Core Competencies

Internal and External API Management

Gateway

- Policy Enablement
- Protocol Handling
- Transformation
- Microgateway
- Mobile & Multi-experience
- Data & Data as a Service

Security

- OAuth2
- OIDC
- Federated ID
- SSO
- JWT
- AI driven API Security

Analytics

- Business value reporting
- Streaming & event-driven
- Real-time alerting
- Traffic management
- Monetization

Cloud Native

- Service Mesh
- Installations - Kubernetes, Docker, PCF.
- Observability
- CI/CD

Portal/Store

- API Marketplaces
- Monetization hooks / partners
- Flexible theme-based architecture
- Registry and versioning model

Multiple plug-points and extensibility | Multi Cloud Support | Flexible deployment options

Security

Cataloging

Observability

Want big impact?
Serverless functions

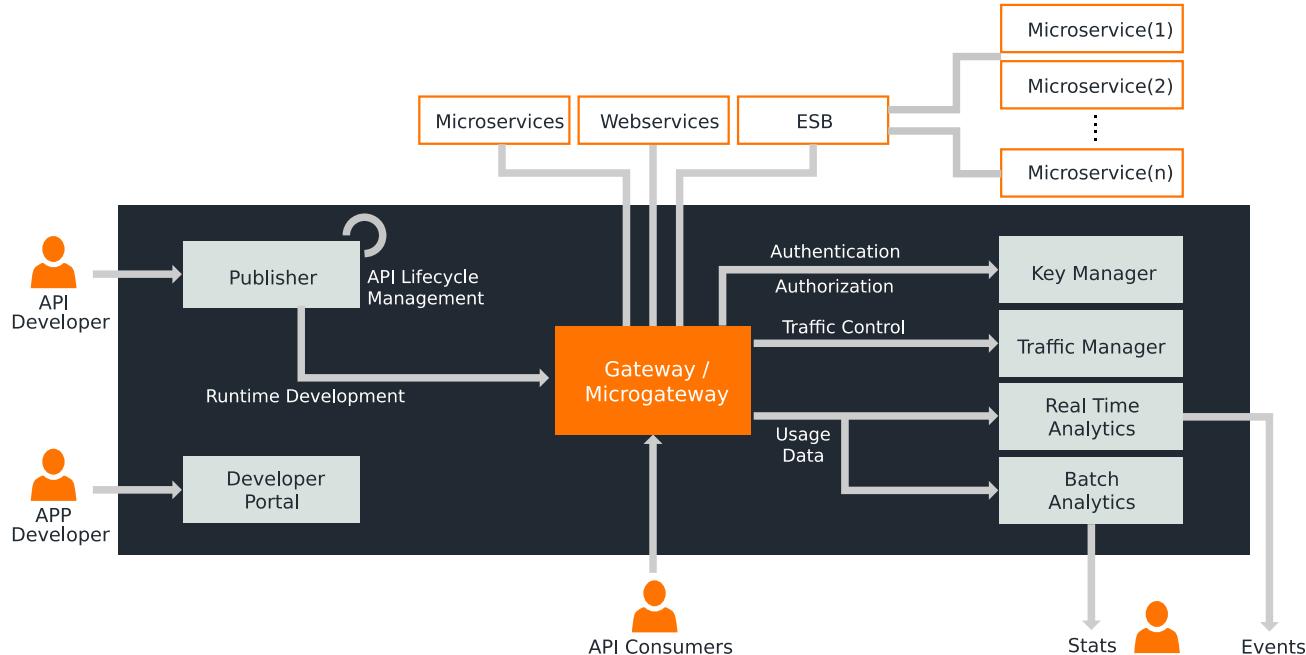
Monetization

Rate Limiting

Marketplace



Common Overview of API Management

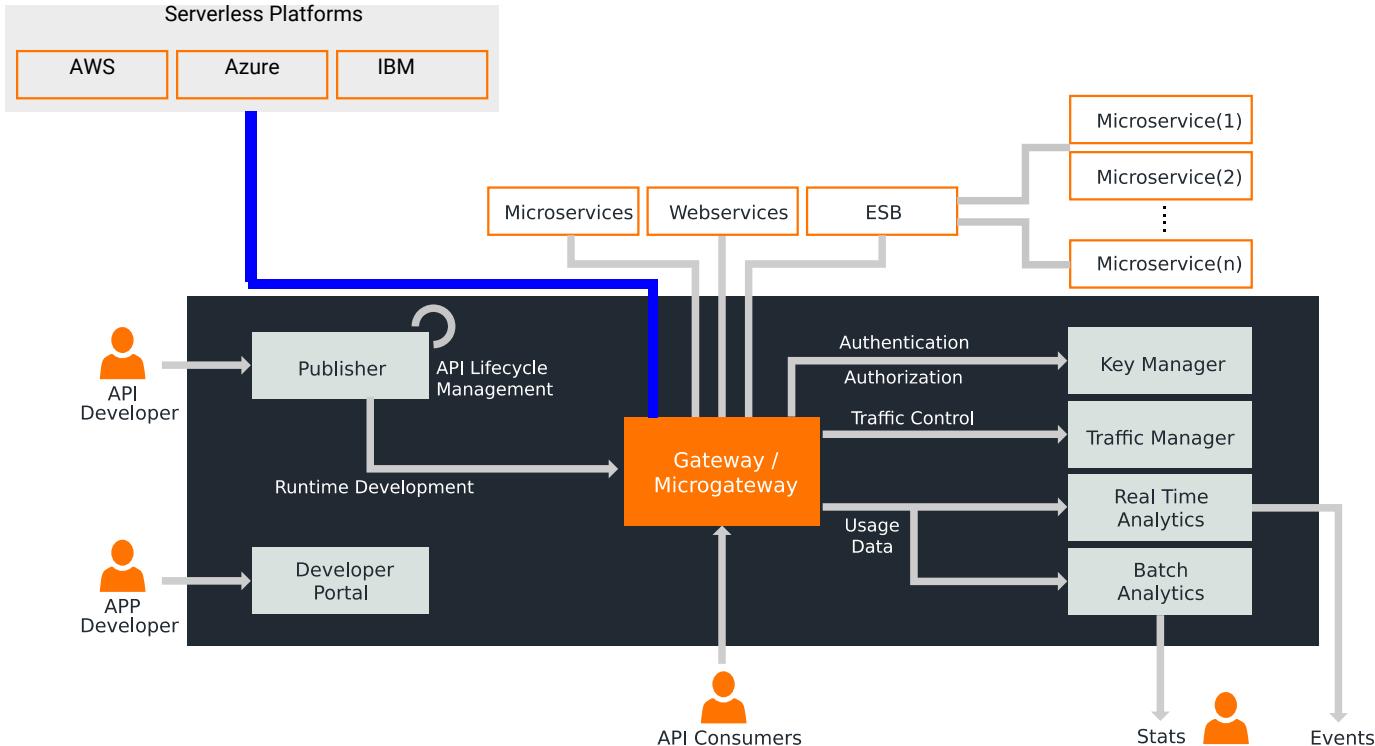


Managed Serverless Functions

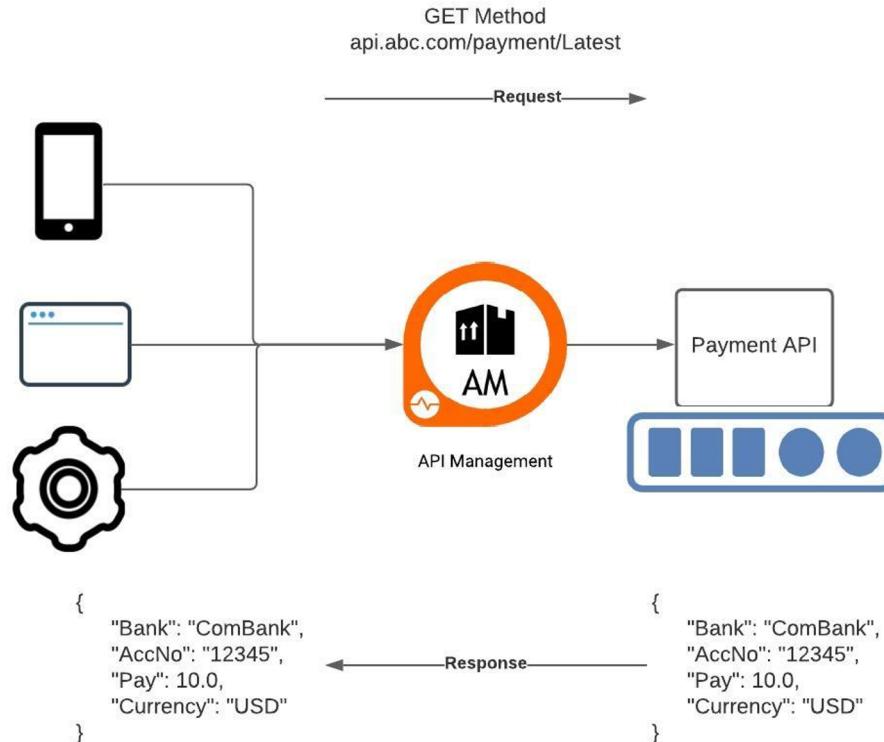
Manage Portfolios of Serverless Functions
from different platforms via single API-
Management ecosystem allow organization
to enforce the QoS across the platform.



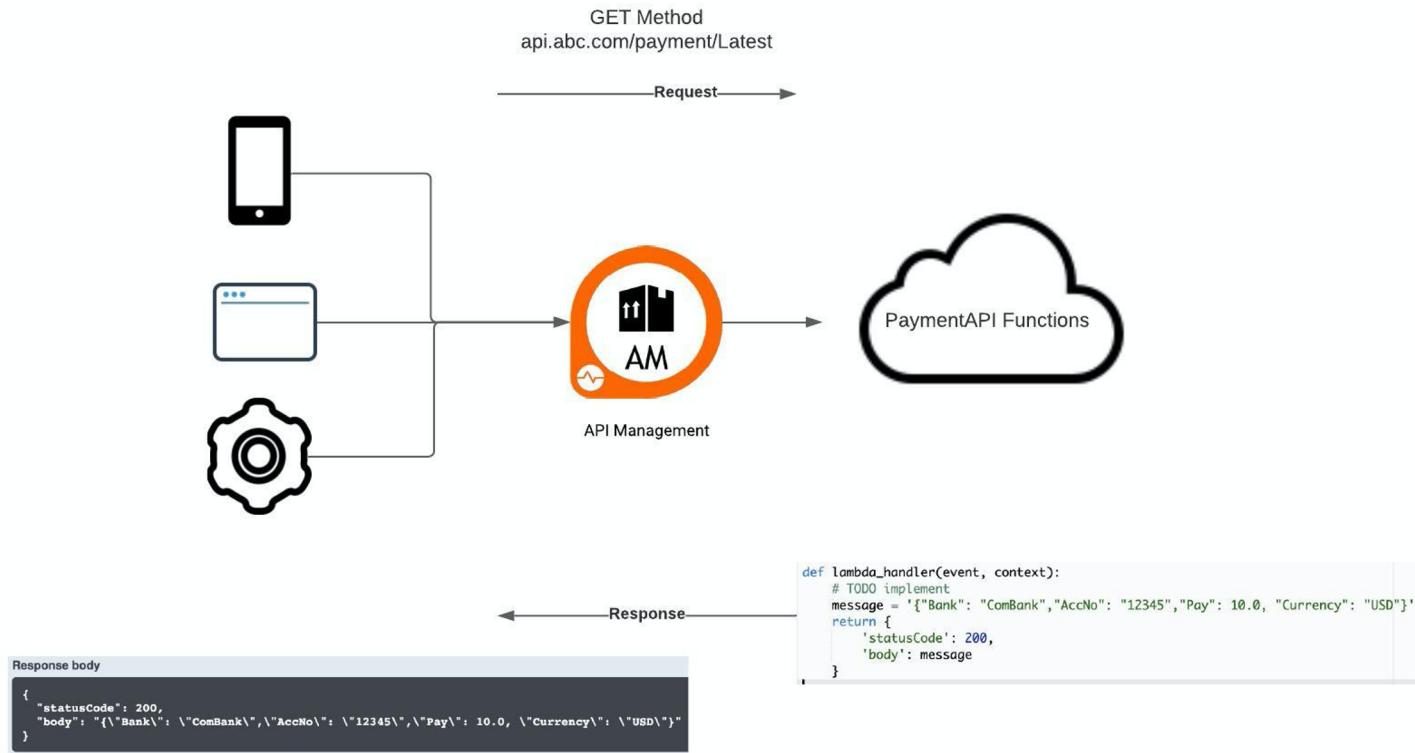
Common Overview of API Management



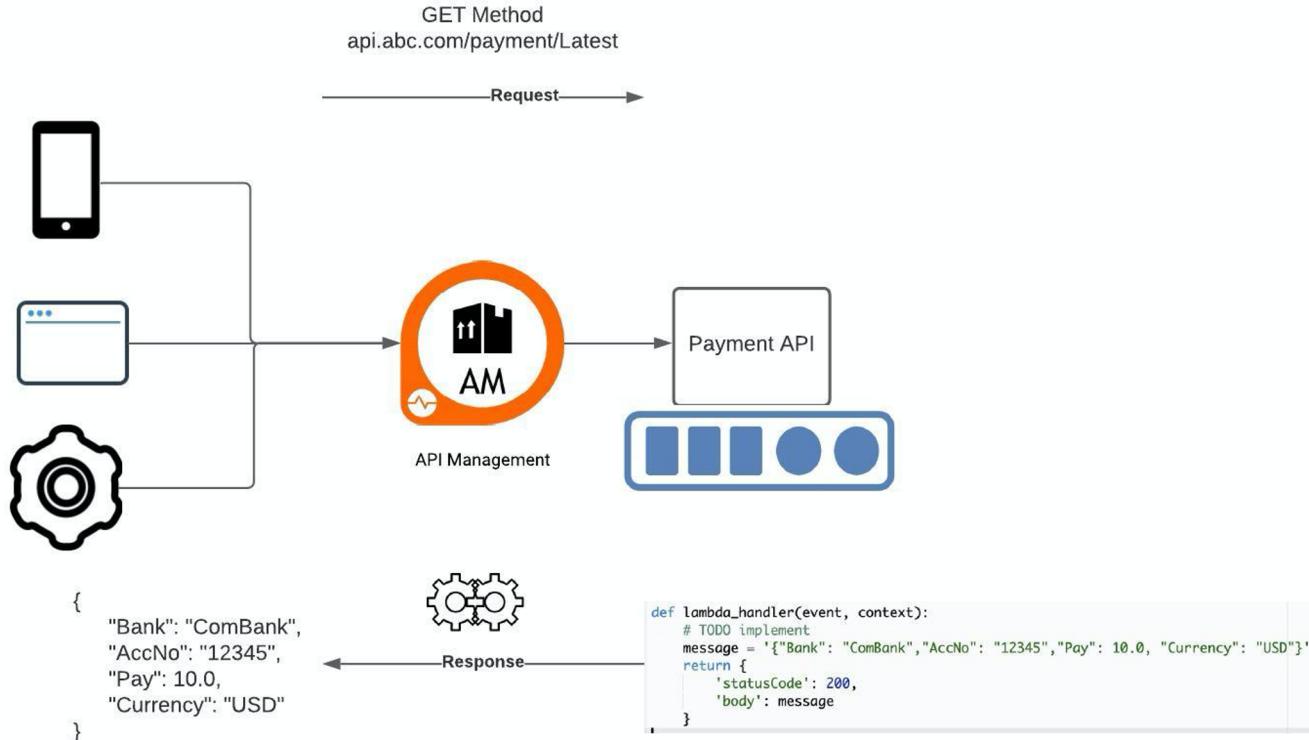
Extra Advantages - Migration



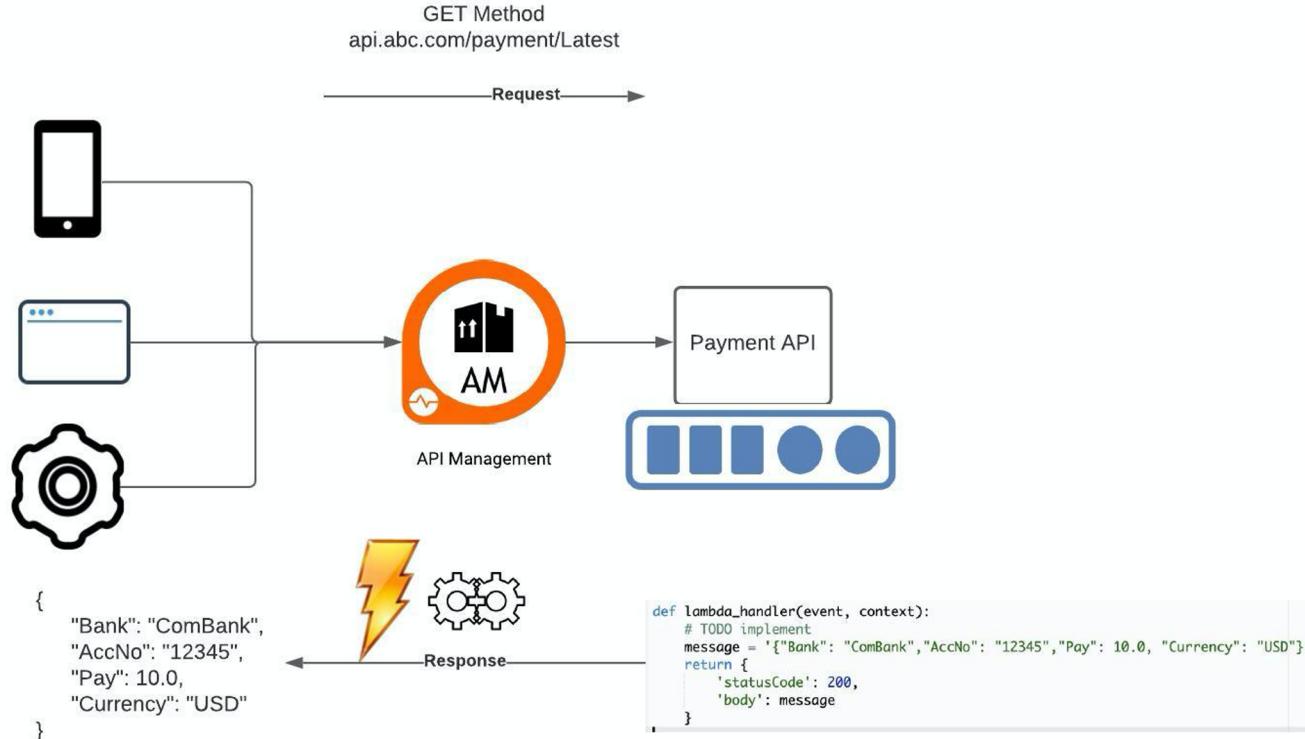
Extra Advantages - Migration



Extra Advantages - Migration



Extra Advantages - Cache





Demonstration Time API-Management

Demonstration to showcase the QoS functionality of API-M for serverless Services.

Question Time!

