Overview of TIBCO Mashery API Management Platform

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APIs Are Strategic to Business Today

**App Architecture**

- Microservices
- IoT
- Mobile App’s

**Digital Initiatives**

- Channel Expansion
- B2b Innovation
- New Business Models
What People Are Doing With APIs

**Business Value**

- Share app functionality or data
- Lightweight integration approach
- Provides greater agility

### Internal APIs
- Reduce costs via supply chain or partner self-service
- Simplify and speed up partner onboarding

### Partner APIs
- New business models & channels
- Creates innovation and disruption

### Public APIs
How Mashery Can Help Your Digital Transformation

Experimentation
- Succeed or Fail Quickly

The Right Tools
- Lightweight & Low Code

Agility
- Create Agility Zones

API Oversight
- Single Pane of Glass

Security & Operational Control

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Mashery® Spans the Entire API Lifecycle

### API CREATION
- **Create**
  - Access your backend systems using simple modeling tools to create your APIs

### API PORTAL
- **Engage**
  - Get API consumers signed up and building fast, scale partner support

### API GATEWAY
- **Control**
  - Define access & security policies, manage API “product line”

### API DISTRIBUTION NETWORK®
- **Perform**
  - Ensure fast, reliable API performance—in the cloud, on-prem, or both

### REPORTING & ANALYTICS
- **Measure**
  - Understand how your platform drives real business value

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Mashery® API Creation

API CREATION

API PORTAL

API GATEWAY

API DISTRIBUTION NETWORK®

REPORTING & ANALYTICS

Build

Contract-First API Modeling (Swagger)

Connect to Any Data Source

Microservices Ready

Routing, Transformation, Choreography

Select Operations to Publish to TIBCO Cloud Integration API

<table>
<thead>
<tr>
<th>Operation</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>/pet</td>
</tr>
<tr>
<td>PUT</td>
<td>/pet</td>
</tr>
<tr>
<td>GET</td>
<td>/pet/findByStatus</td>
</tr>
<tr>
<td>GET</td>
<td>/pet/findByTags</td>
</tr>
<tr>
<td>DELETE</td>
<td>/pet/id</td>
</tr>
<tr>
<td>GET</td>
<td>/pet/id</td>
</tr>
</tbody>
</table>

BACK

PUBLISH

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Mashery® Portal Example - CNN
Mashery® Portal Example - Media Ocean

Welcome MediaOcean Developers

Everything you need to build great apps for the advertising industry.
Contact us to become a developer today.

Already registered?

Sign In

Why Develop with MediaOcean?

The MediaOcean developers network allows you to plug your applications into the heart of the advertising agency ecosystem.
Make it easier for agencies to adopt your technology by connecting into our global platforms so they can forge a more meaningful partnership with you.

Rachael nearly every part of...
Mashery® Portal Example - Sportradar
Mashery® API Gateway

API CREATION

API PORTAL

API GATEWAY

API DISTRIBUTION NETWORK®

REPORTING & ANALYTICS

Secure Access to APIs

API Traffic Management

Caching to Accelerate Responses

Deploy in the Cloud or On-Prem
Mashery Hybrid Deployment

- API traffic can run on-prem, in the SaaS cloud, or both
- Supports highly distributed global deployment, with federated, hierarchical administration
- Single system view of all gateways, mixing embedded microgateways, on-prem, or SaaS
- IT & dev ops friendly, with support for container based deployment
Project Mashling

The Only Open Source Event-driven Microgateway

- Ultralight & Embeddable
- Event-driven by design
- Complements service meshes
- Publish APIs to Mashery
Federated Gateways and Microservices

Serverless / FaaS

Docker Swarm Bounded Microservices

Kubernetes Bounded Microservices

SOA/ESB Domain

Federated Gateway Architecture

<table>
<thead>
<tr>
<th>Embedded Gateway</th>
<th>Cloud Gateway</th>
<th>On-Prem Gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developer Portal</td>
<td>API Creation</td>
<td>API Packager</td>
</tr>
<tr>
<td>API Policies</td>
<td>Analytics</td>
<td></td>
</tr>
</tbody>
</table>
API Distribution Network (SaaS Hosting Platform)

API CREATION
API PORTAL
API GATEWAY
API DISTRIBUTION NETWORK®
REPORTING & ANALYTICS

70,000 APIs with 1.6B+ API calls/day
Validated Security - 3rd party audits
Distributed Multi-tenant network
Cost effective for multisite deployment

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Analytics and Reporting

API CREATION

API PORTAL

API GATEWAY

API DISTRIBUTION NETWORK™

REPORTING & ANALYTICS

Key API Traffic trends:
- How many partners are registering for access to an API Program?
- What are the key operational attributes of a program?

Understand API Usage & Adoption
Define & Monitor Operational KPIs
Reporting API for External Use
Call Log Export for Deeper Analytics

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Product Statement of Direction
Serverless & Event-driven Microservices
Available Anywhere, Everywhere
Intelligent API management
Mashery Roadmap

Serverless & Event-driven Microservices

What’s driving this?
- IoT Edge
- Event-driven Architectures

Driving results
- Cost of compute
- Zero to infinite scale

Event-driven microgateway
Advanced API Packager - Event-driven APIs
Multi-cloud FaaS tooling

AWS Lambda FaaS tooling
Mashling-based Proxies in Cloud

1+ YR
Mashery Roadmap

Available Anywhere, Everywhere

What’s driving this?
- Consumerization of IT
- Need for multi-cloud flexibility

Driving results
- Highly flexible consumption model
- Portability

- IoT Edge deployments
- AWS & Azure marketplaces
- Blockchain & Smart Contracts
- MBaaS services
- TIBCO Cloud - Integrated UX

Available Anywhere, Everywhere

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Mashery Roadmap

Intelligent API management

What’s driving this?
- ML/AI eating software
- Cloud & edge compute

Driving results
- Compelling API UX
- Smarter API infrastructure

Case-style API Lifecycle Governance
Edge Machine Learning
1+ YR
Smart Traffic Shaping
Advanced Streaming Analytics
2+ YRS

What’s driving this?
- ML/AI eating software
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Driving results
- Compelling API UX
- Smarter API infrastructure