API Management Foundation

Fast track your API Management platform

NOV 2021
Introduction

With the growth of microservices and serverless architectures there has been an exponential growth of APIs within businesses.

**Managing this effectively at scale can be challenging, whilst ensuring compliance with security and governance constraints.**

A centralised management platform helps consolidate the operational burden and risk, giving a common view of all your API’s.
The Servian API Management Foundation is a proven fast-track offering to standardise and centralise the management and delivery of your APIs.

Out of the box, our solution utilises native cloud services to integrate with existing business and operating practices in a safe & secure manner.

The solution provides a single entrypoint for all API access, simplifying the management & security of all API endpoints through policy and Infrastructure as Code. In addition, it allows for centralised observability allowing for easy integration to existing monitoring solutions like an SIEM.
Servian API Management Foundation

The Servian API Management Foundation affords your developers the time to focus on product development rather than reinventing security, caching and rate-limiting features within their APIs. Additionally, having a central point for API documentation and onboarding helps simplify the adoption and consumption of your services.

Servian API Management Foundation fast tracks the deployment and adoption of a centralised management approach, ready to onboard teams and applications. It provides training and mentoring to guarantee a successful adoption of the solution, within a known time and cost scope.
What we deliver

You will receive an extensible API Management solution which leverages cloud native technologies, and integrate an existing use case to demonstrate the usage and capability of the platform.

The features you get from this solution include:

- Centralised management of all your APIs
- Cloud of self-hosted infrastructure
- Governance documentation included
- Delivered using Infrastructure as Code
- Feature rich developer portal and API lifecycle management
- Secured to industry standards to ensure the security of your APIs
- API observability
Reference Architecture Diagram
Benefits

- Standardised security posture
- Developer awareness of available APIs
- Streamlined API onboarding
- Simplified lifecycle management
- Operational concerns offloaded
- Insights into usage patterns and value generation
# Phases

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
<th>Phase 4</th>
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<tbody>
<tr>
<td>Discovery</td>
<td>Configure</td>
<td>Deploy</td>
<td>Acceptance &amp; handover</td>
</tr>
<tr>
<td>1 week</td>
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## CHECKPOINTS

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
<th>Phase 4</th>
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<tbody>
<tr>
<td>Kick-off</td>
<td>Configuration Workshops</td>
<td>Setup Source Repository structure / pattern</td>
<td>Acceptance &amp; Handover sessions (incl demo)</td>
</tr>
<tr>
<td>Discovery workshops</td>
<td>Review Azure access and permissions</td>
<td>Port across codebase in Source repository</td>
<td>Transfer access and permissions to Ops</td>
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<tr>
<td>Existing API use case identified</td>
<td>Update codebase with customisations &amp; config changes</td>
<td>Setup deployment pipelines</td>
<td>Product Team Enablement</td>
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<tr>
<td>Solution Design</td>
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## DELIVERABLES

<table>
<thead>
<tr>
<th>Phase 1</th>
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<th>Phase 3</th>
<th>Phase 4</th>
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<tbody>
<tr>
<td>High level Solutions Design</td>
<td>Detailed Solution Design Document</td>
<td>Code Repos (incl pipelines)</td>
<td>As Built Document</td>
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<tr>
<td>Open API Specification for the identified use case</td>
<td>CI/CD Design Document</td>
<td>CI/CD Configuration</td>
<td>API Governance User Stories</td>
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<tr>
<td>API Governance Documented</td>
<td></td>
<td>Troubleshooting guides</td>
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Engagement Timeline

**Phase 1: Discovery**
- Kick Off: Initial kick-off session with key sponsors, business users, and project team.
- Workshops 1: Run discovery workshops and help familiarize the platform. Define Target state architecture and API use case.

**Phase 2: Configure**
- Workshops 2: Run configuration workshops and understand the CI/CD configuration.
- Configure 1: Update codebase with customizations & config changes.
- Walkthrough 1: Walkthrough the high level solution design document and agreed API Governance - before proceeding to next phase.

**Phase 3: Deploy**
- Configure 2: Setup deployment pipelines.

**Phase 4: Acceptance & Handover**
- Showcase: API Management Platform Deployment showcase with API use case.
- Handover: Run sessions for the customer team on handing over the API Management Platform.
- Acceptance: Formal touchpoint highlighting the work delivered inline with Detailed Design and gain sign-off.

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**Week 1**
- Kick Off

**Week 2**
- Workshops 2
- Configure 1
- Walkthrough 1

**Week 3**
- Configure 2
- Walkthrough 2

**Week 4**
- Showcase
- Handover
- Acceptance
Case study

Success story
Government Services

Azure API Management

The Ministry of Health is the public service department of New Zealand responsible for healthcare in New Zealand.

Business Challenges

- Coordination across numerous teams to resolve dependencies for the APIM platform such as DNS configuration, abiding with government network policies & rules, deployments and firewall implementation.
- Azure presents multiple options to expose the Ministry of Health’s APIs. Often there is no one right option.

Key Results & Impacts

- Servian worked with the Ministry of Health to present and explore those options before helping them come to an optimal solution.
- Unifying various MOH teams to resolve various methods of implementation.

Servian has been engaged with MOH since early 2020 and have delivered over 20 projects, including:

- API Management Options Paper
- Azure APIM Foundations
- Azure Active Directory Automation
- Design and Delivery of DevSecOps Platform
- Ministry Developer Portal
- Multiple API products
# Contact Us

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