



# API Management Foundation

Fast track your API Management platform

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NOV 2021

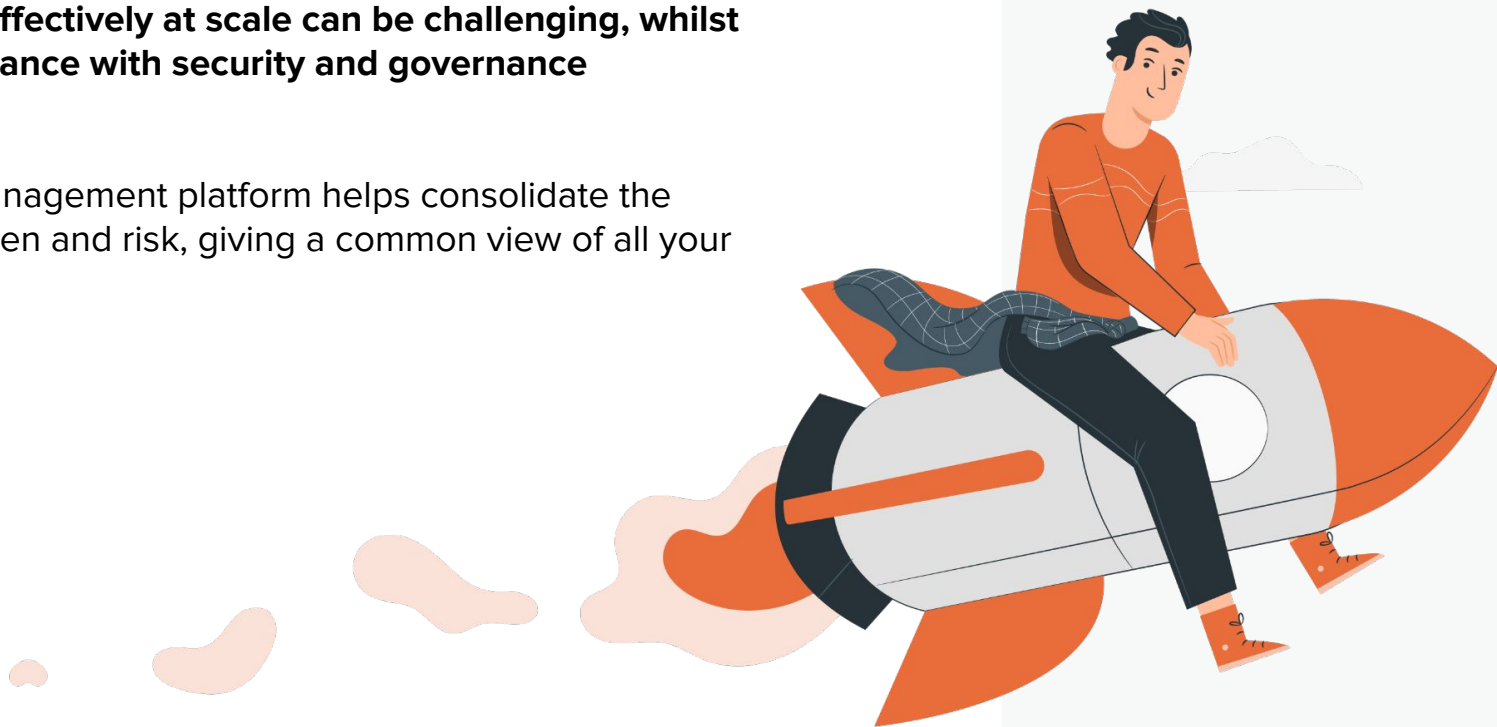
# Introduction

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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.



# Problem Statement

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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

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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

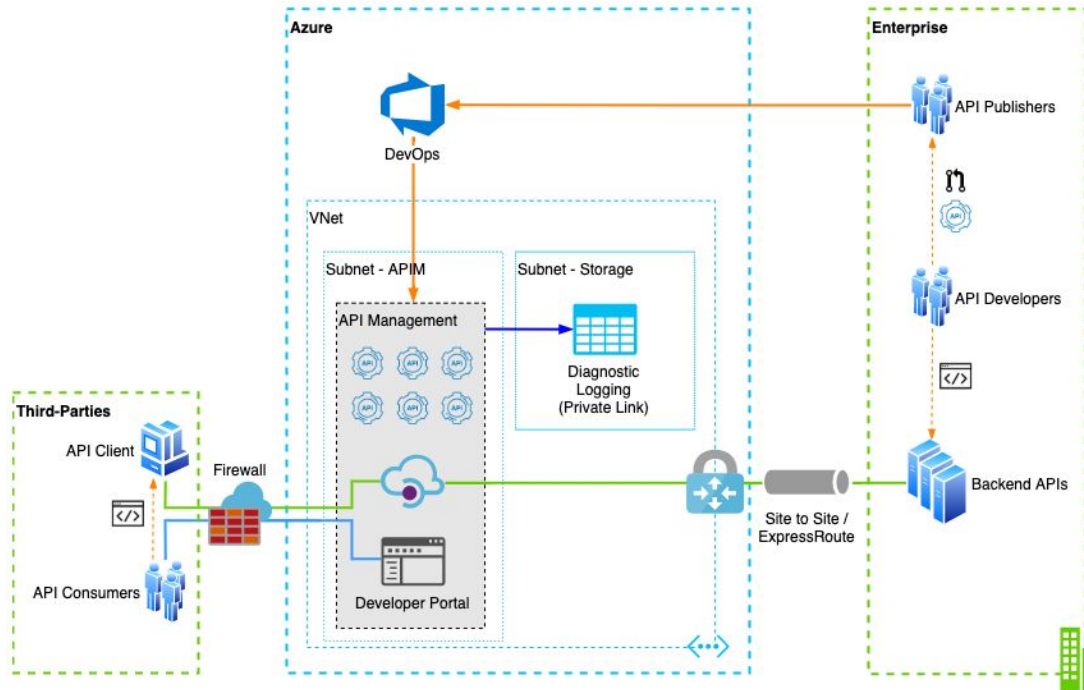
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You will receive an extensible API Management solution which leverages cloud native technologies, and integrate an existing use case to demonstrate the usage and capability of the platform.

## **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

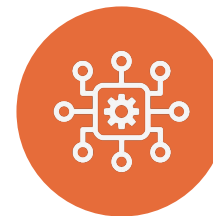
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**Standardised security posture**



**Streamlined API onboarding**



**Operational concerns offloaded**



**Developer awareness of available APIs**



**Simplified lifecycle management**



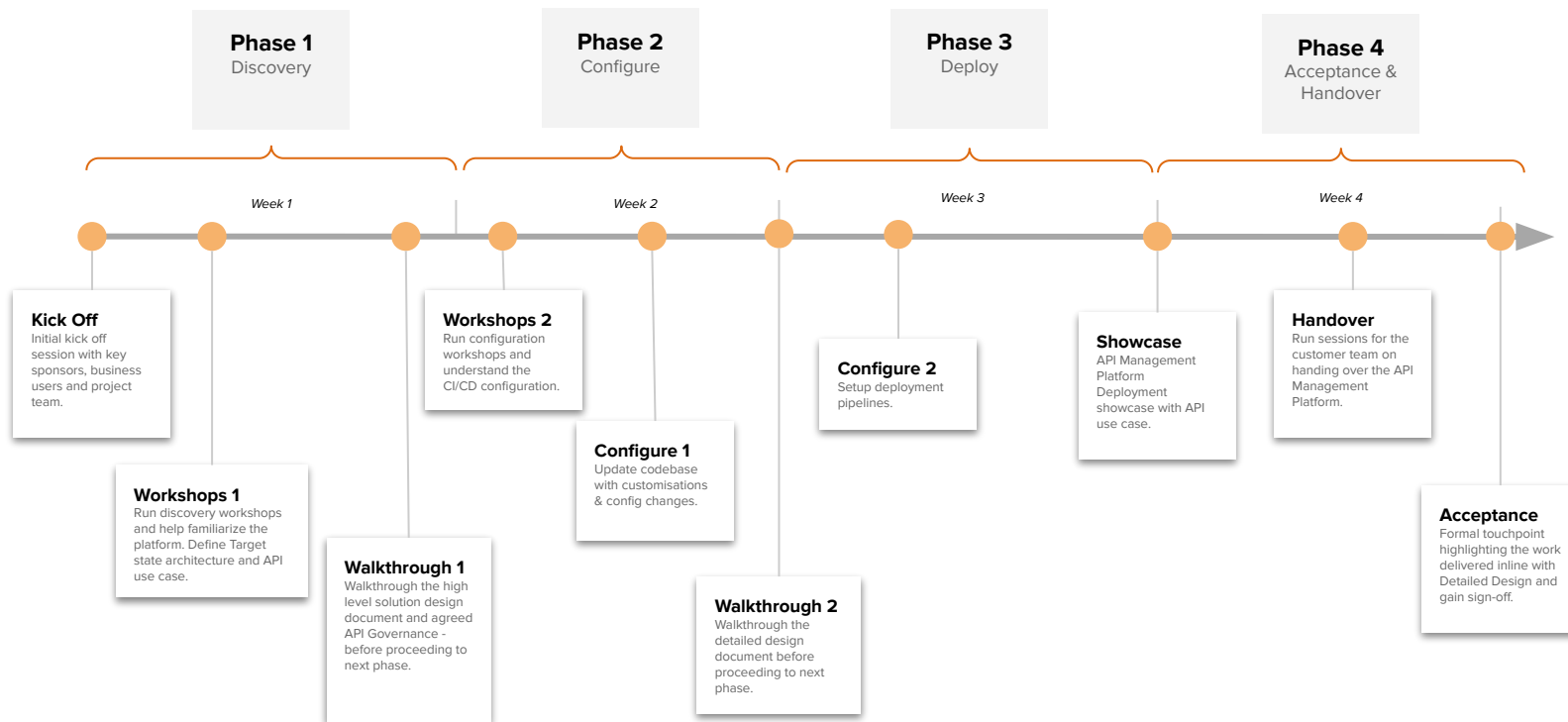
**Insights into usage patterns and value generation**

# Phases

	Phase 1 Discovery <i>1 week</i>	Phase 2 Configure <i>1 week</i>	Phase 3 Deploy <i>1 week</i>	Phase 4 Acceptance & handover <i>1 week</i>
<b>CHECKPOINTS</b>	Kick-off	Configuration Workshops	Setup Source Repository structure / pattern	Acceptance & Handover sessions (incl demo)
	Discovery workshops	Review Azure access and permissions	Port across codebase in Source repository	Transfer access and permissions to Ops
	Existing API use case identified	Update codebase with customisations & config changes	Setup deployment pipelines	Product Team Enablement
	Solution Design			
<b>DELIVERABLES</b>	High level Solutions Design	Detailed Solution Design Document	Code Repos (incl pipelines)	As Built Document
	Open API Specification for the identified use case	CI/CD Design Document	CI/CD Configuration	API Governance User Stories
	API Governance Documented			Troubleshooting guides



# Engagement Timeline



# Case study

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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

99.95% availability  
Our APIs can be used for mission-critical systems.

25 million API calls daily  
Our APIs define the industry's standards.

1 million active users  
Millions of people trust us.

#### Our APIs

- COVID Tracing API**  
Query members of the population who have made contact with an case.  
Try it out.
- Immunization API**  
See a list of immunized citizens. Sort by region.  
Try it out.
- Border Worker API**  
View registered and on-call border work staff.  
Try it out.

```
POST /api/covid/nearbycases
{
  "lat": "-10837761-1348-4374-7632-308be9460710",
  "from": "76233683-7863-4b8c-8088-87463288ac2",
  "to": "76234664-0863-4863-b86c-f58fac7702d0",
  "location": "Raglan",
  "count": 14
}
```

# Contact Us

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## Sydney

Level 46,  
264 George Street  
Sydney NSW 2000  
t +61 2 9376 0700

## Melbourne

Level 20, Tower 5,  
727 Collins Street,  
Docklands VIC 3008  
t +61 3 9081 3700

## Bengaluru

Level 2, Plot 23, 8th Main Road  
Jayanagar 3rd Block  
Bengaluru, India, 560011  
t +91 80 4370 4760

## Luke Hayler

Partner, Vic  
[luke.hayler@servian.com](mailto:luke.hayler@servian.com)  
+ 61 429 998 564

## Brisbane

Level 38, 71 Eagle Street  
Brisbane QLD 4000  
t +61 7 3193 3200

## Perth

79 St Georges Terrace  
Perth WA 6000  
t +61 410 180 812

## Singapore

WeWork Suntec Tower 5, Level 17  
5 Temasek Blvd,  
Singapore 038985  
t +65 800 852 6882

## Pete Gatt

Partner, QLD  
[pete.gatt@servian.com](mailto:pete.gatt@servian.com)  
+61 400 016 249

## Hobart

Level 2, 162 Macquarie St  
Hobart, TAS 7000  
t +61 2 9376 0700

## Auckland

Level 22, Crombie Lockwood Tower  
191 Queen Street  
Auckland NZ 1010  
t +64 220 400 311

## Wellington

Level 15/171 Featherston Street  
Wellington Central  
Wellington NZ 6011  
t +64 2173 9683

## Andrew Clark

Partner, NSW  
[andrew.clark@servian.com](mailto:andrew.clark@servian.com)  
+61 419 549 836