



# DevOps Maturity Assessment

Validate and Improve your DevOps Maturity  
with Version 1's Azure-Aligned  
DevOps Maturity Assessment

# DevOps

An organisational and cultural movement that aims to increase software delivery **velocity**, improve service **stability**, and build **shared ownership** among software stakeholders.



# Why?

→ **DevOps is widely recognised as a critical driver of high-performance software delivery**

→ **Many organisations struggle with understanding and correctly applying DevOps practices**

→ **Cultural and organisational change is hard. An expert, third-party assessment can provide the evidence and impetus for change**

## **Faster time-to-market**

Discover your current release cadence vs your desired

Guidance on how DevOps practices can help you close the gap

## **High code quality**

Current testing practices are reviewed and gaps and potential improvements identified to improve the quality and reliability of your code

## **Reduce costs**

Areas will be identified where automation can be used to reduce manual effort, resulting in cost savings for the organisation.

## **Improved customer satisfaction**

The assessment will identify areas where stakeholders' needs, both internal and external, are not being met and we will create an action plan for each area of improvement.

## **Speed for AI Growth**

Accelerate AI solution delivery, enhances reliability, and allows for rapid iteration based on real-time feedback. Help harness AI's full potential, driving innovation and achieving business goals more efficiently.

# DevOps: The Backbone of Effective AI Implementations

- **Agentic AI Coding Assistants Drive Speed, DevOps Ensures Safety** – Faster, AI-driven coding iterations demand DevOps guardrails to protect quality and reliability.
- **Managing Complexity** – GenAI increases development lifecycle complexity, making strong DevOps practices essential.
- **Measuring AI Impact** – DevOps enables tracking AI-driven changes, quantifying benefits, and ensuring business value.



# DevOps Assessment – Best Practices



An investigation into behaviours, capabilities and outcomes across multiple teams.



A measure of alignment with DevOps best practices



Objective, but contextual



Results in a clear view of capability levels across the people, process and technology aspects of DevOps



Starts a conversation about how to make meaningful improvements

## DevOps Research and Assessment (DORA)



### People

- Devops capability
- Communication
- Culture
- Leadership
- Agile
- Talent management
- Experimentation and learning

### Process

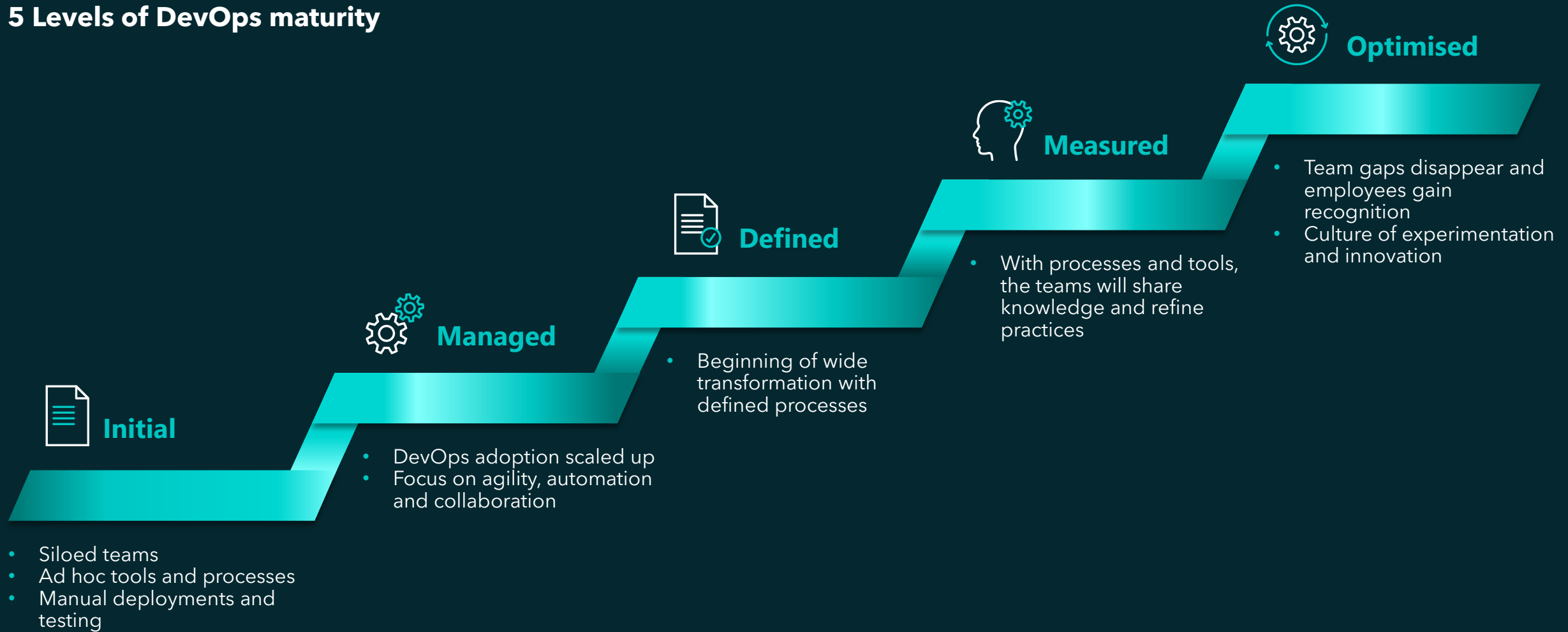
- Automation
- Governance and compliance
- Reporting
- Data and cost management
- Knowledge sharing

### Technology


- Version control
- Release automation
- Continuous integration
- Continuous delivery
- Infrastructure as code
- Test automation

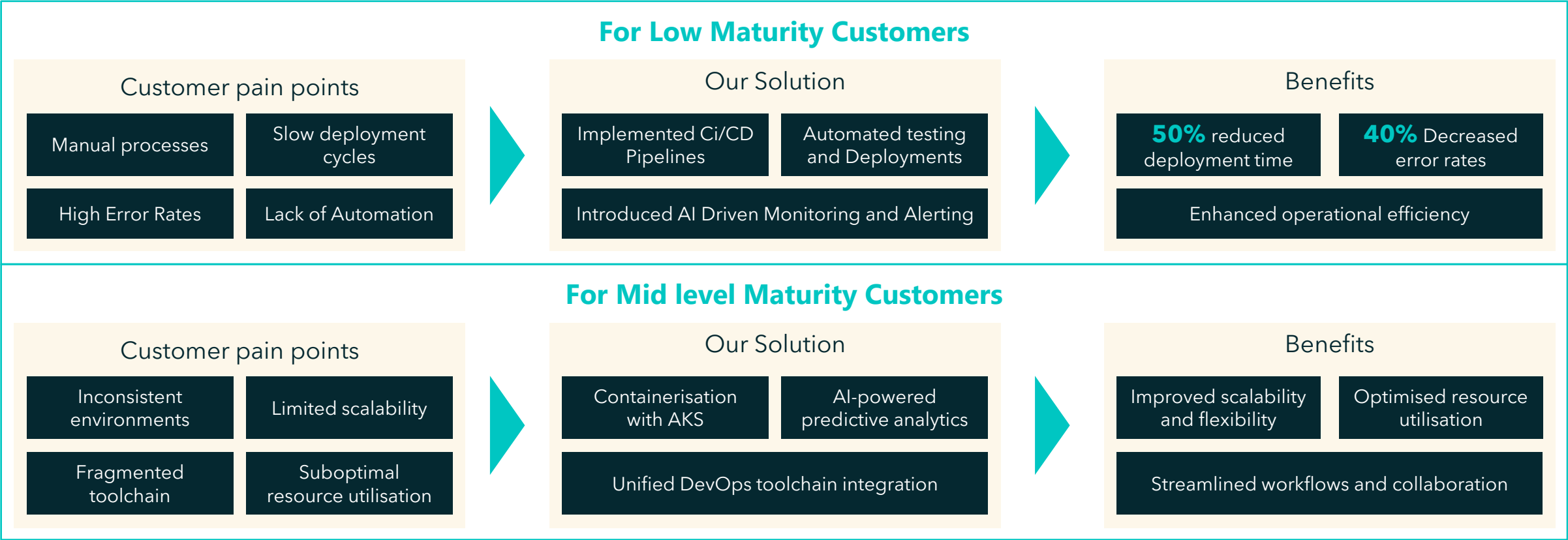
# DevOps Maturity Model

## 5 Levels of DevOps maturity



# Accelerating DevOps Maturity with Azure AI-driven Solutions

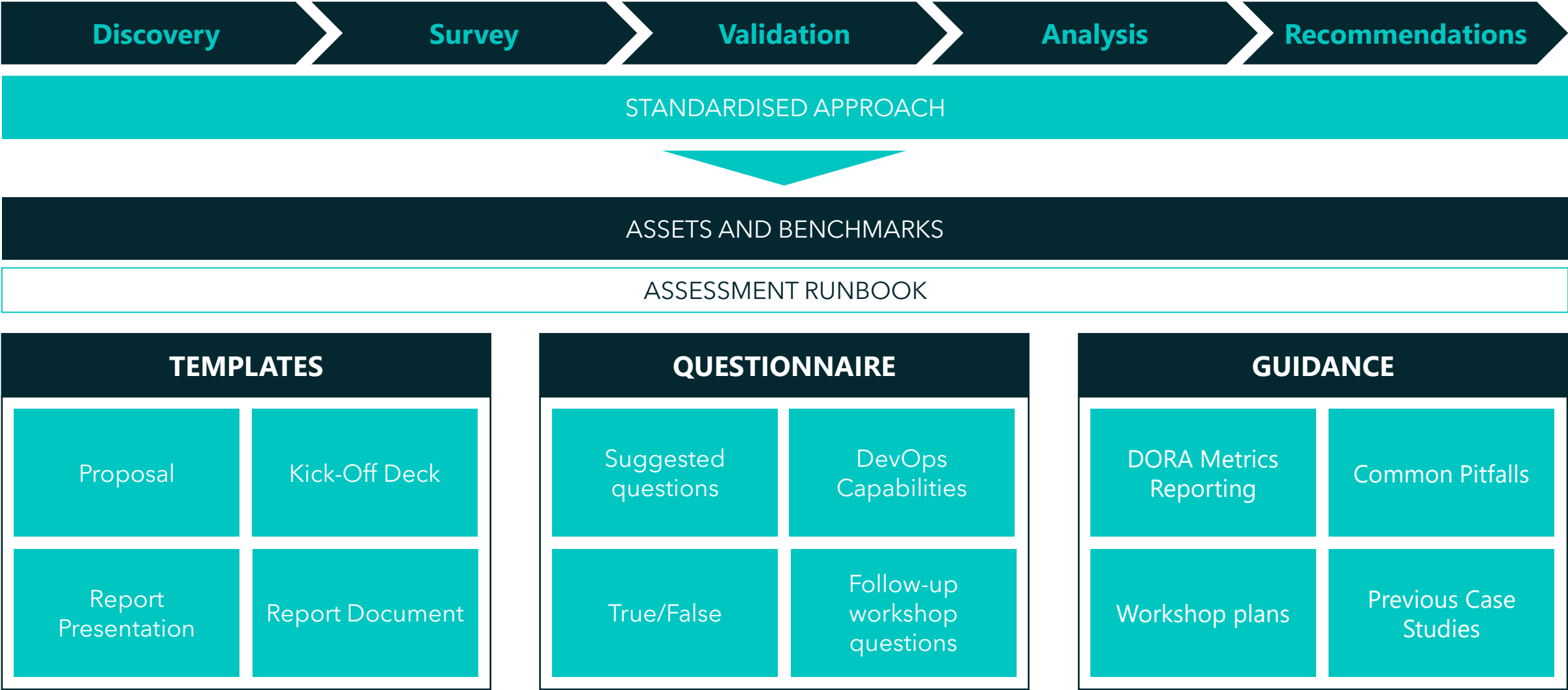
 Unlock the full potential of your DevOps journey with our cutting-edge, AI-powered solutions.



**Lessons Learnt**

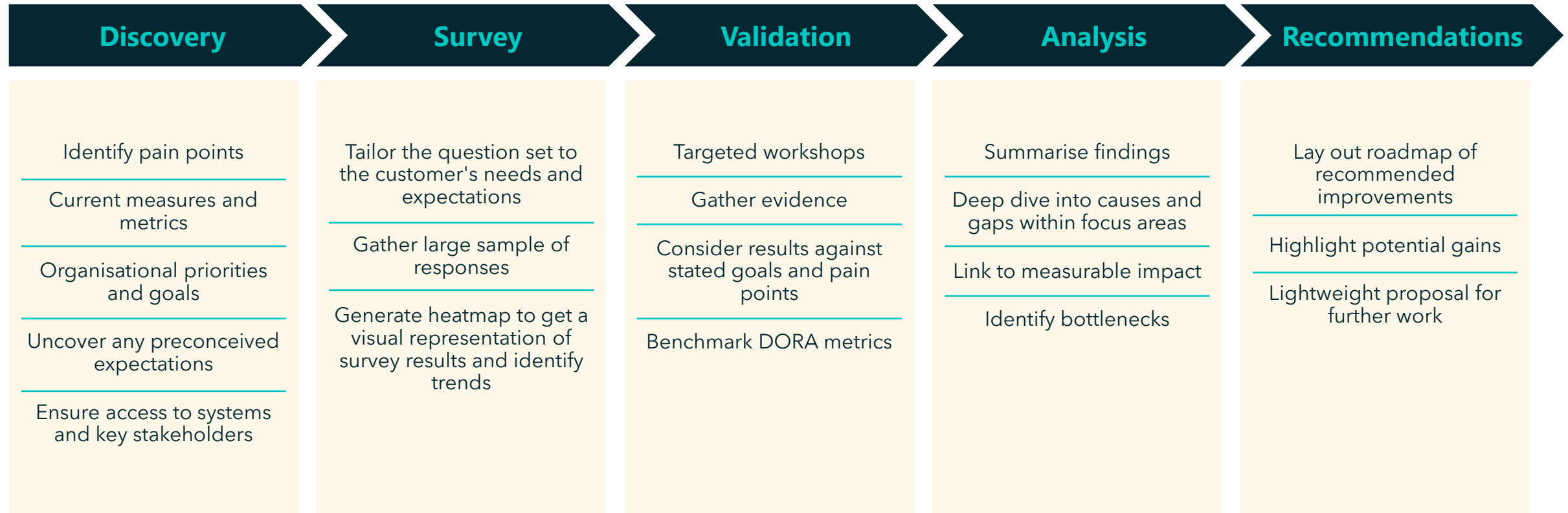
- Incremental improvements
- Automation is key
- Scalability
- Predictive Analytics

# Our DevOps Assessment Framework





# Assessment process



# Deliverables – Report

DevOps Maturity Assessment

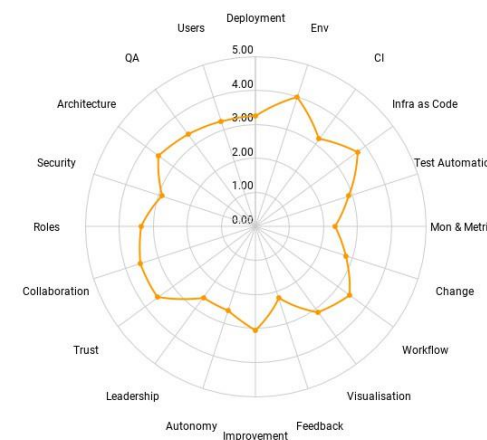
**Contents**

- 1. EXECUTIVE SUMMARY .....3
  - 1.1. Your Business .....3
  - 1.2. Our Methodology .....3
- 2. FINDINGS.....4
  - 2.1. Overview .....4
  - 2.2. People.....4
  - 2.3. Process .....4
  - 2.4. Technology .....4
  - 2.5. Kubernetes .....4
- 3. RECOMMENDATIONS .....5
  - 3.1. People.....5
  - 3.1. Process .....5
  - 3.1. Technology .....5
  - 3.1. Kubernetes .....5
- 4. PROPOSED ROADMAP .....6
  - 4.1. Short-term (1-6 weeks).....6
  - 4.2. Medium-term (1-6 months) .....6
  - 4.3. Long-term (6+ months).....6

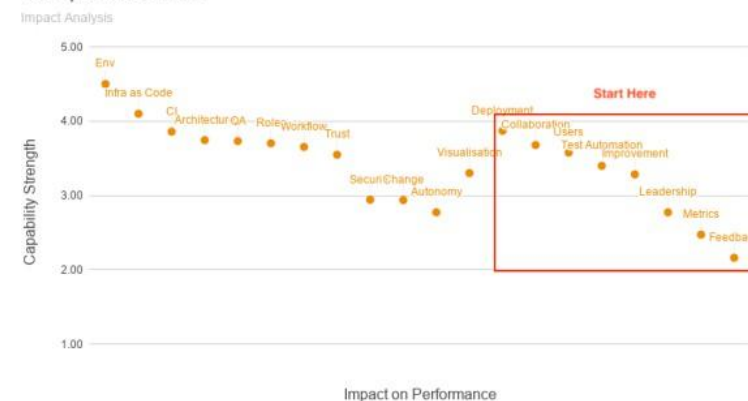
Simulation: Covered Copyright ©2023 Version 1. All rights reserved. Page 2



## Findings



## DevOps Assessment



## Recommendations

### People 1:

#### Establish a Centralised CI/CD Function for All Teams

it is recommended to establish a centralised CI/CD function that serves as a shared service for all teams. Centralising CI/CD offers several benefits, including consistency, scalability, and improved collaboration.

### Technology 1:

#### Implement Continuous Security Scanning

It is recommended to implement continuous security scanning as part of your CI/CD pipeline. Continuous security scanning helps identify and mitigate security vulnerabilities early in the software development lifecycle, reducing the risk of potential breaches.

# Indicative engagement plan

