



Mosaic Island

Solution Architecture

Introduction

Effective **architecture and design** are critical to the successful delivery of **business change**, **cloud adoption** and **digital transformation** across the public sector. Mosaic Island provides a suite of **design-led consulting services** that support public sector organisations in planning, shaping and delivering complex change in a controlled, proportionate and outcome-focused manner.

Our services support organisations across the full change lifecycle, from **strategy and enterprise architecture** through **enterprise solution architecture**, **solution architecture** and **data architecture**, to **delivery management**, **assurance** and **recovery**. We help ensure that architectural decisions, delivery governance and operating models are aligned to organisational objectives, statutory obligations and service outcomes.

Our approach is collaborative, pragmatic and flexible. We work *with you, not to you*, tailoring our services to organisational context, maturity and delivery environment. Services can be engaged individually or combined to provide end-to-end support across **cloud migration**, **digital service delivery**, **business change** and **large-scale technology programmes**.

Our services are grounded in extensive real-world experience across the private and public sectors, and across a range of delivery models including **agile**, **waterfall** and **hybrid**. We adapt our approach to support effective governance, assurance and value for money, helping organisations manage risk while delivering sustainable change.

Our focus is on practical delivery. We support informed decision-making, reduce delivery risk and help organisations design and deliver solutions that are fit for purpose, secure and capable of evolving over time.

Service Overview

Mosaic Island's **Solution Architecture Service** helps organisations design and deliver **robust, secure and scalable solutions** that support **business change**, **cloud adoption** and **digital transformation**. The service focuses on translating business requirements and architectural direction into practical solution designs that can be delivered with confidence.

We work closely with **product**, **project** and **IT delivery teams** to ensure solutions are aligned to **business needs**, **enterprise architecture**, **data architecture** and **technology strategy**. Our approach ensures solutions are viable, cost-effective and fit for purpose across their full lifecycle.

This service is suited to organisations delivering **new digital services**, **system replacement**, **cloud migration** or **complex integration initiatives**.



Our Approach

Our approach is structured, pragmatic and collaborative. We work *with you, not to you*, embedding alongside delivery teams to understand requirements, constraints and delivery context.

Solution architecture is **technology agnostic** and options-led. We assess impacts, shape solutions and evaluate technical options before defining designs that balance functional needs, non-functional requirements, risk and delivery feasibility.

We provide solution architecture support from **high-level design (HLD)** through to **low-level design (LLD)**, ensuring traceability from business requirements to implementation and delivery.

Strategic Focus Areas

The Solution Architecture Service typically focuses on:

- **Solution architecture design for cloud and digital services**
- **Alignment with enterprise and data architecture**
- **Technology strategy and architectural principles**
- **High-level and low-level solution design**
- **Integration, security and non-functional requirements**
- **Solution assurance and delivery alignment**

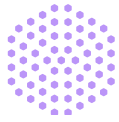
These focus areas ensure solutions are aligned to both **business outcomes** and **technical execution**.

Service Features

The Solution Architecture Service may include:

- **Technology agnostic solution design** and option analysis
- **Impact assessments**, solution sizing and shaping
- Development of **high-level and low-level design specifications**
- Alignment to **technology strategy, architecture principles** and standards
- **Solution architecture governance** and assurance
- Support for **solution delivery**, including RAID considerations
- Use of appropriate **solution architecture tooling** and artefacts

Scope and deliverables are agreed per engagement.



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Service Benefits

This service enables organisations to:

- Improve alignment between **business requirements** and **technology solutions**
- **Reduce time to market** through clearer, delivery-ready designs
- Improve **solution quality** while reducing estate complexity
- **Increase reuse** of applications, services and integrations
- **Improve visibility** and confidence in design decisions
- **Enhance collaboration** across business, product and delivery teams
- **Improve security**, compliance and resilience of solution designs
- Support better user and customer outcomes

Typical Outcomes

- **Clearly defined** solution architectures aligned to business needs
- Approved HLD and LLD artefacts **supporting delivery**
- **Reduced** design related delivery **risk**
- **Improved consistency** across solution designs
- **Increased confidence** in cloud and digital solution delivery

Why Mosaic Island

Mosaic Island is **independent, technology agnostic** and experienced in delivering solution architecture across complex **cloud** and **digital environments**. We combine strong architectural capability with a collaborative, delivery focused approach that ensures designs can be built, integrated and operated successfully.