Modernisation Factory
Systematic modernisation at pace

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Business Challenge

Modernisation is the process of transforming existing applications and infrastructure into higher-value, cloud native services. Reasons for modernising include.

- **Agility, Speed and Innovation** – accelerate feature development.
- **Efficiency and Cost Optimization** – Reduce infrastructure and license costs.
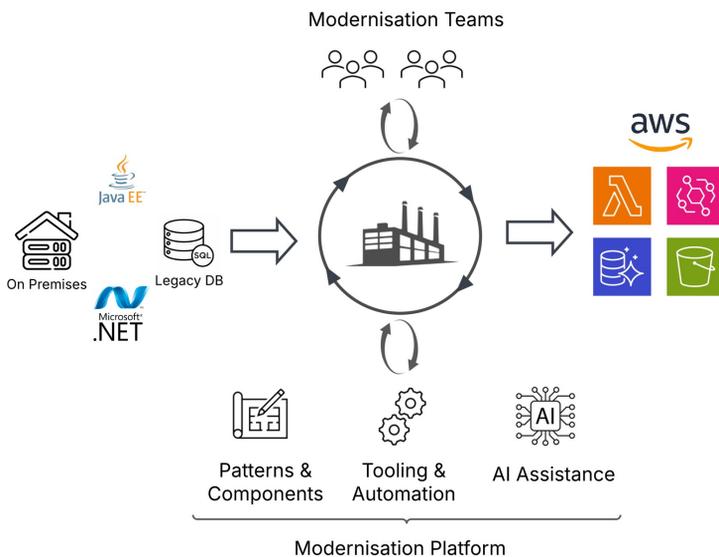- **Performance and Resiliency** – Improve system throughput, Minimise outages.

Modernisation can be challenging, costly and slow to realise ROI if a disjointed per application approach is used.

What is a Modernisation Factory?

A Modernisation Factory is a systematic methodology and portfolio of software tools and patterns for transforming legacy applications at scale. By capturing reusable, context specific patterns, modernisation can be significantly accelerated reducing costs and shortening time to ROI.

The Factory Flywheel Effect

Consistent, compounding effort over time generates momentum. Whilst there is work required to establish a modernisation factory, the time and cost to modernise reduces with each iteration. Using a platform engineering approach to centralise the heavy lifting enables modernisation teams to go faster with each turn of the flywheel.

Modernisation Teams

On Premises — Legacy DB — Modernisation Platform: Patterns & Components, Tooling & Automation, AI Assistance

How It Works

Initiate
- Establish North Star and success metrics
- Establish self service developer platform
- Use automated tooling to analyse application portfolio
- Build modernisation plan
- Define team topology
- Establish patterns catalogue and knowledge base

Operate
- Select target applications
- Select treatment plan, patterns and tools
- Modernise
- Capture and refine components, patterns and tools
- Measure, learn, improve, repeat

aws partner network

Proven Results

Leading Reinsurer
- Portfolio of legacy risk and underwriting applications
- Internal platform for API first development and modern UIs established.
- Successful modernisation at scale to production.

Multinational Insurance Firm
- Significant TCO reduction through Scale-to-zero modernisation.
- Accelerated modernisation with AI coding assistance. (AWS Transform)
- Pattern and component catalogue reuse reducing costs.

Specialist Reinsurer
- Complete platform built using Platform Engineering principles
- Optimised cost and performance with Serverless Architecture
- Rapid business expansion enabled by platform confidence

Get Started

Schedule a discovery workshop today, contact:
hello@fourtheorem.com

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