

Service Definition

Database Modernisation and Upgrade Services

FUJITSU



G-Cloud 15

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Contents

Database Modernisation and Upgrade Services Overview 3

Service Scope 6

Service Approach 6

Business Value 8

Pricing 9

Database Modernisation and Upgrade Services Overview

Fujitsu's Database Modernisation and Upgrade services are designed to help your organisation transform and future-proof your data landscape. We partner with you to assess your current environment and define a scalable, high-performance future state.

The service is delivered via our Database Factory - a holistic, end-to-end framework that manages the entire lifecycle from demand generation to the modernised database entering full production under a comprehensive warranty.

Our automation-first approach enables database migration and transformation at any scale, across any environment (Cloud, Hybrid, or On-Premises). By utilising automated patterns, we ensure high velocity and consistent quality while significantly reducing operational costs.

Flexible Delivery Model

The Database Factory operates on a **consumption-based model**, requiring low initial commitment and allowing you to flex demand according to your project requirements, ensuring you only pay for what you use and reducing overall delivery risk.

Service Outcomes

- **Upgrade:** In-place database upgrades to the latest stable versions.
- **Migrate:** Seamless transition of existing databases to new platforms or containerized environments.
- **Upgrade & Migrate:** Simultaneous version upgrade and platform migration for maximum efficiency.
- **Re-platform:** Transitioning to a new hosting platform and a modern database product (e.g., moving from legacy SQL to Azure SQL or Open Source).

Typical Use Cases

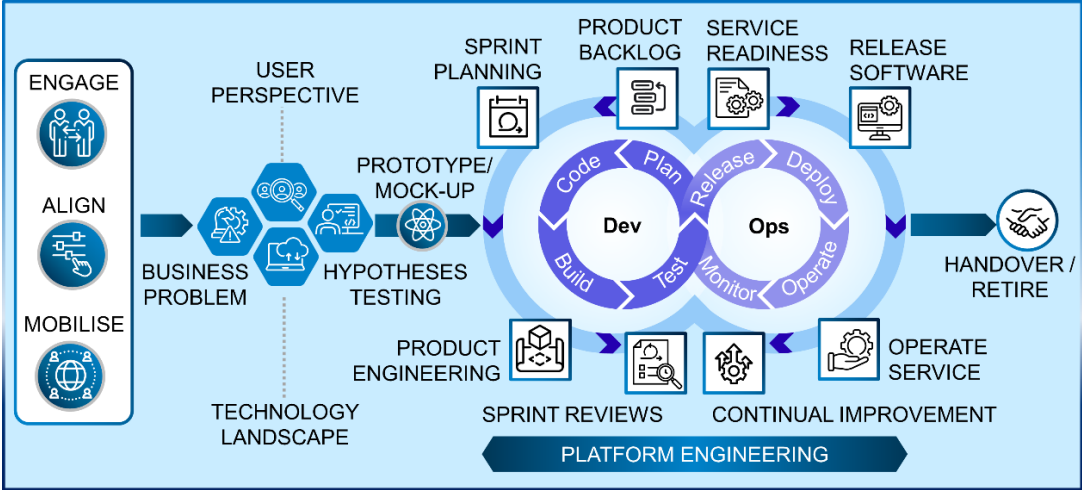
- **Remediating Technical Debt:** Eliminating end-of-life software and legacy hardware constraints.
- **Technology Refresh:** Modernizing to support high-performance, **AI-ready**, and cloud-native features.
- **Cloud Transformation:** Seamless migration from On-Premises to Cloud, between clouds, or to Hybrid architectures.
- **Agile & DevOps Enablement:** Implementing "Database-as-Code" to support rapid development cycles.
- **Data & AI Enablement:** Optimizing database structures to support advanced analytics and Generative AI workloads.

Agile Approach

Fujitsu understands that customers are unique. The accelerating pace of change in consumer behaviour, socio-economic conditions, and technological breakthroughs requires **organisations** to adapt with unprecedented speed.

While we embrace industry-standard Agile methods—such as SAFe and Scrum—we recognise they must remain flexible to meet specific mission objectives. To bridge this gap, Fujitsu developed Adaptive Digital Engineering (ADE). ADE is a set of dependable yet adaptable working practices that accommodate both standard and bespoke delivery models without compromising reliability.

Our approach is natively aligned with the UK Government's GDS Service Manual and the Digital, Data, and Technology (DDAT) profession capability framework. This ensures that our DevOps delivery is not only agile but also compliant, secure, and centred on user needs, as illustrated in the following diagram.



Our services are flexible to align with this DevOps delivery methodology model, where we:

- **Build:** Fujitsu will be responsible for delivering the business outcome.
- **Supply:** Fujitsu will deliver your outcome using Fujitsu capability or a hybrid team (where Fujitsu augments your team) for a defined term, including enablement and knowledge transfer to allow you to insource.
- **Deploy:** Fujitsu will deliver a Fujitsu product to help you accelerate and deliver more.

Service Scope

This document describes Fujitsu's Database Modernisation and Upgrade Services and forms part of Fujitsu's overall G-Cloud 15 services. It can be combined with other services within G-Cloud 15. Fujitsu provides a full scope of Database Modernisation Services based on a flexible factory model that enables you to adapt to your business needs.

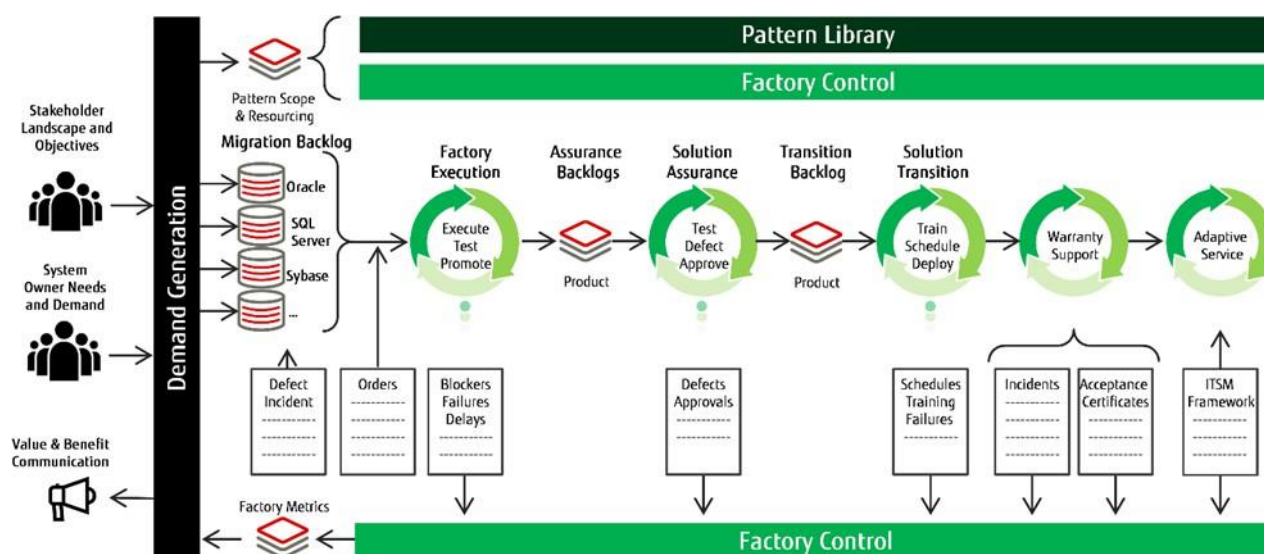
Our services include, but are not limited to, the following features:

- **Programme Management:** Management of the overall programme of work to ensure integration into the wider service landscape and related application change.
- **Demand Generation:** Generating demand from business owners for the database factory. The backlog is managed in an Agile manner to provide the flexibility you need to make the transformation a success.
- **Factory Control:** Ensuring that work is progressing in the Transformation Factory at the correct velocity and quality.
- **Factory Execution:** Carrying out the modernisation and upgrade of databases along with factory testing.
- **Solution Assurance:** Performing formal assurance of the transformed databases to ensure they meet required standards.
- **Solution Transition:** Taking assured databases and placing them into service, including the management of all change control processes.
- **Warranty:** Providing a period of support for defects identified in service that are related to the transformation.
- **Pattern Management:** The Database Factory provides a defined set of transformation patterns. A 'pattern' is a clearly defined method of transforming a database from its current state to a new desired state (for example, moving to a more recent version of the current database product or moving to a new database product entirely).
- **Application Change:** Management of changes to applications that are impacted by database modernisation and upgrades.

Service Approach

Fujitsu is an experienced service integrator with unique knowledge of heritage and cloud solutions. We have delivered database modernisation and upgrades at a large scale and for critical systems.

The Database Upgrade and Modernisation service operates an Agile delivery model to provide continuous transformation for you, as shown in the following diagram.

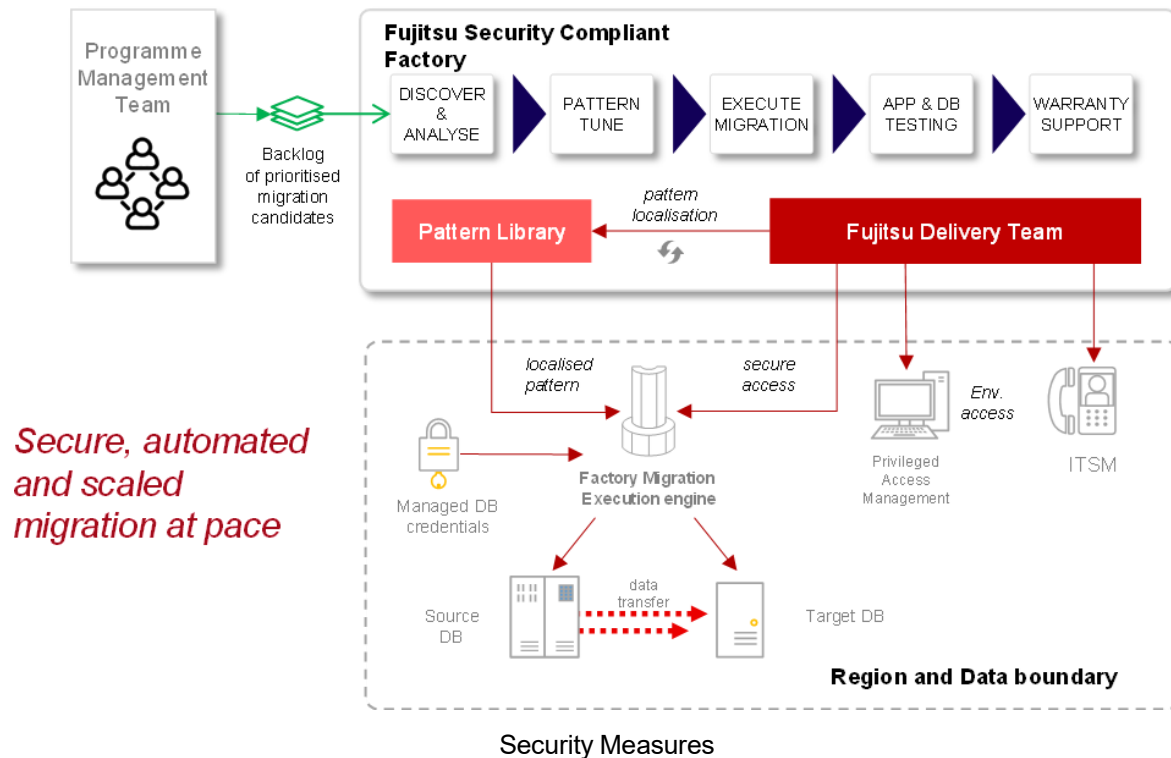


Database Migration and Upgrade Factory

Fujitsu G-Cloud 15 Service - Database Modernisation And Upgrade

Our Migration factory enables automated migration from your source of choice to your strategic destination. At the migration factory's core, we use Ansible (including AWX or Tower) to execute automated migration. We leverage vendor toolsets and utilities using standard credentials without additional host agents.

Data and credentials do not leave the customer region and data boundary at any time in the migration. We will use customer-compliant secure access so our delivery team can access the factory migration engine and carry out post-migration warranty activities. The factory team will use the existing ITSM and Privileged Access Management tooling.



Our approach is highly effective allowing scaled delivery to rapidly change your landscape.

Business Value

Modernising your database infrastructure will provide a range of benefits depending on your organisation's current situation:

Cost Reduction

- **Licence cost reduction:** Your organisation can restructure its database landscape to enable more effective licensing through transformation to appropriate hosting platforms, product versions, and products.
- **Skills:** The move to a modern database landscape will require skill sets that are more readily available in the market.
- **Consolidation:** Modern platforms offer opportunities to consolidate and reduce the overall database footprint.
- **Consumption:** Modern platforms enable consumption-based pricing that allows the customer to move to a flexible, pay-as-you-use model.

Risk Reduction

- **Security:** Enhances security posture by moving to more modern solutions with built-in protection.
- **Regulatory & Compliance:** Reduces regulatory and compliance exposure related to out-of-service and ageing technology.

Enabling Agility

- **Time to Market:** Modern database products enable the business to realise reduced time to market for customer-facing solutions and features by allowing Agile development approaches through modern data interfaces and models.

Enabling Usability

- **Data Readiness:** Modern database products offer data in usable formats that enable seamless consumption by data analytics platforms and services.

Technical Drivers

- Enable Agile delivery through modernised data services.
- Reduce the cost of IT spend through the removal of ageing and niche database skills.
- Enable the move to modern cloud and hybrid platforms.
- Address technical debt, End of Service Life (EOSL), or technical refresh issues.
- Meet evolving compliance or regulatory obligations.

Pricing

This service is priced as per the SFIA rate card for this service.

Other pricing models can be agreed to support your project requirements

About Fujitsu

As one of the world's leading IT companies, Fujitsu is at the forefront of pioneering technology in the UK since we made our initial investment over 40 years ago. As a key strategic partner we deliver essential services, from our secure hybrid IT which underpins critical national infrastructure to our investment in emerging technologies to boost national capability. Drawing on our Japanese technology expertise we provide bespoke digital transformation solutions. This unrivalled expertise has allowed us to specialise in emerging focus areas; Hybrid IT, AI & RPA, Data analytics, Agile application development/transformation and Security. Together, we offer a full package of solutions to support the UK as a long-term industry supplier.

We believe in realising the significant alignment between the UK and Japan in emerging technologies and in creating a UK-Japan 'Innovation Bridge' to support the UK's science and technology superpower objectives. We are committed to investment in UK skills and research and development, driving customer outcomes and promoting social value. We employ 124,000 people around the globe, including around 8,000 people across the UK, promoting diversity and inclusion as a DWP Disability Confident Leader. We are recognised as a Times Top 50 employer for Women since 2017, a Stonewall Top 100 Employer for 2023 and were awarded an EcoVadis Silver Rating, the world's largest provider for sustainability ratings.

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