



G-Cloud 15

Legacy Application Modernisation – InRule Decision Rules Services

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Application Modernisation Through InRule Decision Rules Services

Many organisations continue to rely on legacy systems and hard-coded business logic to run critical business processes. Over time, these implementations often become brittle, opaque, and costly to manage and change, creating barriers to AI adoption, innovation, regulatory responsiveness, and digital transformation. Application Modernisation is no longer just about upgrading technology stacks; it is about modernising how business decisions are designed, executed, and governed across the enterprise.

PwC's Decision Rules Services provide a pragmatic and high-impact modernisation approach by extracting core business logic from legacy applications and embedding it in the InRule Decision Intelligence Platform. Our approach helps organisations externalise decisions as modular, reusable services that can be invoked consistently across channels, systems, and workflows without rewriting entire applications.

The InRule Decision Intelligence Platform allows organisations to explicitly model decisions by combining business rules, data, analytics, and AI into executable decision services. These services can be orchestrated at-scale, integrated into existing and modern applications, and continuously monitored to improve outcomes. By separating decision logic from application code, organisations can gain greater transparency, agility, and control over the decisions that drive their business.

Key benefits of this approach include:

Faster change and reduced risk	Business policies, eligibility criteria, cost and pricing logic, and compliance rules can be updated independently of application release cycles, to reduce reliance on scarce development resources and minimising regression risk
Improved decision quality and consistency	Centralised decision services ensure consistent outcomes across customer journeys, channels, and products, while enabling continuous learning from decisions and outcomes
Enhanced governance and explainability	Decisions are treated as governed assets, with full traceability, auditability, and accountability, supporting regulatory compliance, operational resilience, and trust
Greater operational efficiency and scalability	Automated and orchestrated decision execution helps organisations to scale decision-making across high-volume, real-time, and batch scenarios without sacrificing control or performance
Future-ready modernisation	Decision services can be composed with analytics, machine learning, and event-driven architectures, supporting cloud adoption, API-first strategies, and AI-enabled transformation.

By leveraging the InRule Decision Intelligence Platform, we can help organisations modernise incrementally, starting with high-value decisions embedded in legacy systems and progressively evolving toward a more flexible, decision-centric architecture. This approach reduces technical debt, accelerates transformation outcomes, and positions organisations to respond more effectively to changing customer expectations, market conditions, and regulatory demands.

Application modernisation through Decision Rules Services is not just a technology upgrade, it is a strategic shift toward making better, faster, and more accountable decisions at scale.

Legacy Application Modernisation – PwC Decision Rules Services

This section describes in more detail the service features and benefits included in this service definition document.

Service Summary

This PwC-led service provides delivery-focused legacy and application modernisation for organisations operating complex, policy-driven systems. The service enables the migration of embedded decision logic from hard-coded applications into configurable, testable decision services, supporting faster policy change and reduced delivery risk.

The service is designed to be purchased directly through G-Cloud as a clearly defined modernisation offering, to provide a practical route to value and a foundation for broader transformation.

Application Modernisation – InRule Decision Rules Services Features

- Modernise legacy applications by externalising decision rules from application code. Eliminating hard-coded logic embedded in COBOL, PL/SQL, or monolithic Java or .Net applications
- Clear separation of concerns as legacy systems are reduced to systems of record with the rules engine becoming the system of decisioning
- Technology-agnostic rule execution, rules are executed independently of the legacy platform, callable via RES, events. Or message queues, enabling reuse across channels (CRM, portals, mobile apps, and batch jobs)
- Business friendly rule definitions with rules authored using domain language (decision tables, DMN, natural-language-like expressions and, in some cases maintained by business analysts
- Runtime rule changes without redeployment, rules can be updated, version and deployed without recompiling or redeploying legacy applications
- Rule versioning and effective dating where the rules engine supports version control,

Application Modernisation – InRule Decision Rules Services Benefits

- Faster time-to-change for policy and regulatory updates
- Less reliance in legacy technology skillsets
- Clean architectural boundaries and reduced coupling
- Reduced dependency on hard-coded logic
- Increased business reuse of rules across multiple channels and applications
- Reduced translation errors between business and IT
- Improved confidence in complex decisions
- Rapid policy or regulatory change with minimal downtime
- Auditability and compliance which is often critical in regulated sectors
- Lower delivery risk and continuous value realisation
- Enterprise-wide consistency and reduced rule duplication
- Faster testing cycles and safer change introduction

effective dates, and rollback that enables historical decisions to be replayed accurately

- Enable rapid business change to eligibility, entitlement, pricing, or compliance logic
- Improve transparency, testing, and auditability of decisions
- Deliver value incrementally without full system replacement.

- A proven entry point for wider modernisation initiatives enabling future-ready, composable architectures.

Typical Use Cases

This service is suited to scenarios including:

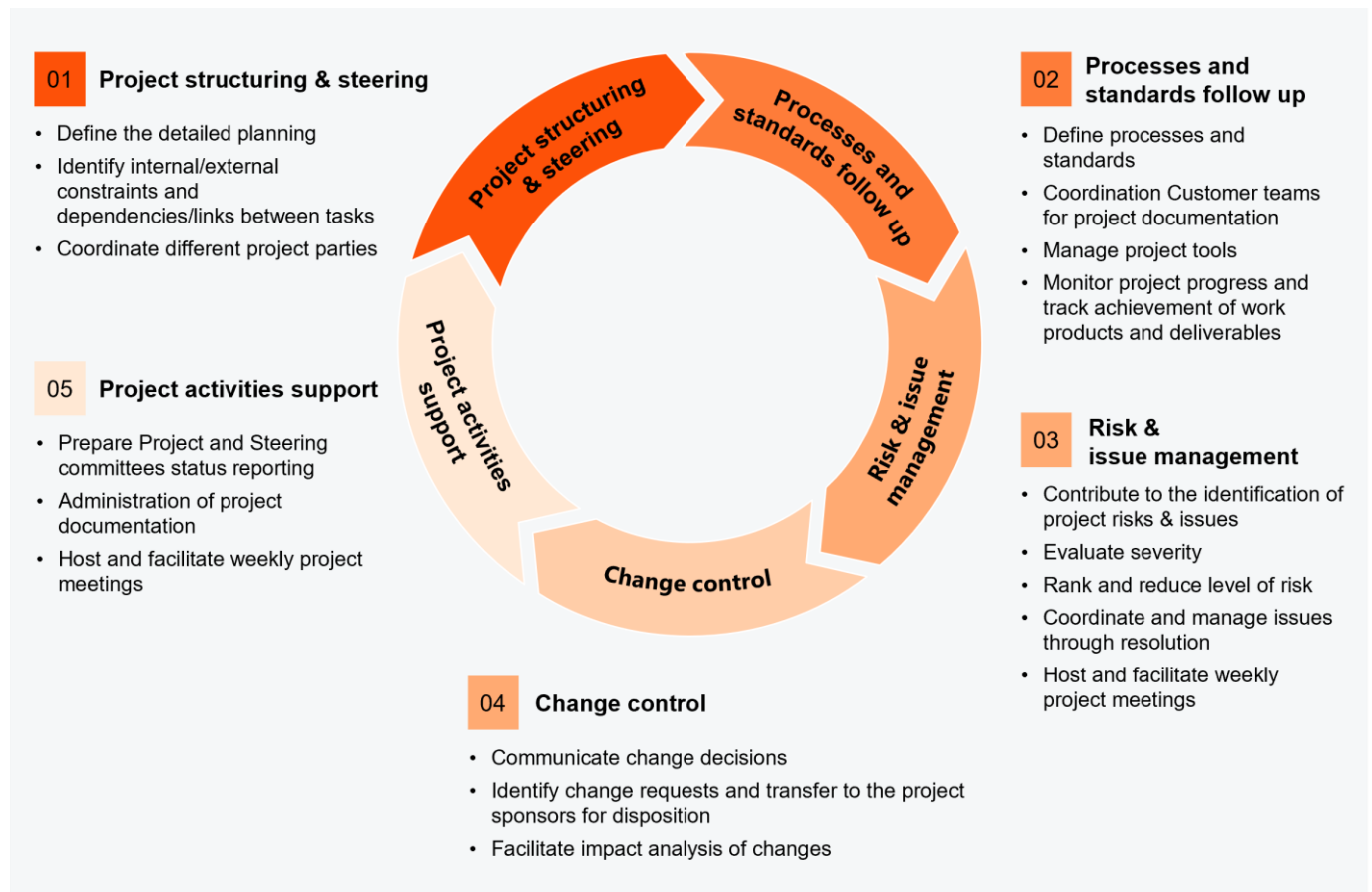
- Eligibility and entitlement determination for public-sector services
- Policy and regulatory rule implementation
- Modernisation of legacy decision logic embedded in mainframe or monolithic systems
- Support for data-driven decisioning in citizen-facing or operational applications.

Delivery Approach

Delivery is structured and iterative following PWC's Project Management Framework:

- **Targeted Discovery:** Short discovery phase to confirm scope, decision complexity, and delivery priorities
- **Build and Configuration:** Configuration of decision logic and supporting services outside application code
- **Integration and Testing:** Integration with existing systems and structured validation of outcomes
- **Deployment Support:** Support for controlled deployment and knowledge transfer.

Project Management Framework for Application Modernisation – Decision Rules Services



Scope of Activities

Activities are scoped to support rapid delivery and early value, and the service may include:

- Review and extraction of existing decision logic from legacy systems
- Design of target decision services and integration patterns
- Configuration of decision rules using low-code tooling
- Integration with existing applications and data sources
- Testing and validation of decision logic.

Technology Enablement

The service is enabled by InRule decision automation technology, commonly used by PwC to support rules-based modernisation.

Security and Compliance

Delivery aligns with public-sector security and governance requirements, including:

- Role-based access controls
- Full versioning and audit of decision logic
- Compliance with client security policies.

Pricing Model

Pricing is based on scoped delivery packages suitable for G-Cloud procurement. Pricing reflects the complexity and scale of decision logic addressed.

Exit and Transition

Clients retain all configured decision assets delivered as part of the engagement. Ongoing support or expansion can be contracted separately if required.



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