

Evidence-backed Application Modernisation

A KPMG Service for G-Cloud 15



KPMG About us

KPMG is one of the largest AI Platforms & Cloud Engineering Advisory and Implementation providers in the UK. We bring end-to-end services across the entire cloud life-cycle from Strategy and Planning, to Architecture and Build, through to running Secure cloud-native applications. This is enabled by our diverse, industry-leading and multi-disciplined experts.

 AI Platforms & Cloud Engineering in its 10th year	 1000+ AI Platforms & Cloud Engineering Team (670+ Engineers & Architects, 500+ Advisory & Delivery consultants)	 2000+ AI & Cloud certifications in Azure, Google, AWS	 £30M + AI Platforms & Cloud Engineering spend supported annually	 600+ AI Platforms & Cloud Engineering projects completed	 50%+ Focused on highly regulated industries
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AI Platforms & Cloud Engineering Practice

- Deep domain experience across a wide range of Cloud providers and technologies
- Leading and award-winning scaled engineering capability
- Long established consulting approach and methodologies

Our Principles

- Industrialised approach reusing assets and accelerators
- Automate everything
- Deliver value for money
- Pride ourselves on high quality outcome deliverables

How we Operate

- Sprint based projects for fast iterative results
- Delivering with our clients using outcome focused multi-disciplinary teams
- Strong, established network to ensure partnering excellence

Our Core Propositions

Besides the core propositions we deliver **240+** services mentioned in our Service Catalogue

Operational Excellence 	AI Powered Modern Platform 	Modern Engineering 	Value & Sustainability 	AI Powered Application Modernisation 
• Cloud CoE & Target Operating Model • Cloud Programme Risk and Assessment • Cloud Maturity Assessment	• Cloud Design, Build, Migrate & Transform • Cloud Risk Controls & Cyber • Cloud Security Architecture	• DevOps & DevSecOps • Secure SDLC • Site Reliability Engineering (SRE)	• ESG • Sustainable Technology • Cloud Cost Management & Financial Optimisation (FinOps)	• Gen AI • Cloud Data & Analytics • Logging and Monitoring

Across our many delivery centres, we work with clients of all industries, specialising in complex, high risk or regulated sectors.



Combining our expertise with our alliance tech solutions, we harness the power of smart technologies. Together, we solve your most complex business issues to create sustainable success.



Application Modernisation



Service Description:

KPMG offers an evidence-backed, comprehensive, AI enabled modernisations service, utilising AI for analysis, refactoring and rearchitecture of legacy applications. We provide assessment, migration and build to improve usability, performance, scalability, and security of existing apps with a focus on application led business transformations.



Service Categories

- Code and architecture assessment
- DevOps and security assessment
- Application transformation
- Secure application development
- Application scaling and performance
- Data storage and management
- Identity and access management
- AI integration and augmentation
- Application Security Enhancement
- KPI metrics for success measurement.



Service Benefits

- Significant reduction in time and cost using KPMG AI.
- Enhance application scalability and performance.
- Reduce operational costs and complexity.
- Improve user experience, security posture, and compliance.
- Increase business agility and market responsiveness.
- Foster innovation through modernisation.
- Enable seamless hybrid or multi-cloud strategies.
- Strengthen competitive advantage.
- Enhanced security and compliance via framework updates and functionality improvements.
- Improved system reliability and performance through observability.



Service Features

- Code, architecture and pipeline assessment using AI.
- Legacy system evaluation and modernisation planning.
- Transition to microservices for flexibility.
- Application re-platforming for enhanced performance.
- Re-architecting for scalability and maintainability.
- Database optimisation for speed and reliability.
- Security upgrades for robust protection.
- Ongoing support for continual improvement.
- CI/CD for accelerated deployment cycles.
- Test driven development with focus on shift-left.

Our Approach

KPMG offer a tailored approach to application modernisation, helping businesses achieve application led transformations. By combining our deep technical experience with subject matter expertise, we're able to truly understand your unique requirements and deliver value.



Requirements

- Access to legacy system dependencies, integration details and security constraints.
- Access to Subject Matter Experts (SMEs), Product Owners and Stakeholders for business input
- Access to technical teams, including Cloud and Software development teams to ensure alignment
- Access to infrastructure or support from existing operations teams as needed
- Defined security and compliance expectations and access to an assigned representative
- User Acceptance Testing (UAT) Resources



Activities

KPMG performs phased approach for the Application modernisation.

Assessment & Planning

Evaluate existing applications and infrastructure to identify modernisation priorities. Develop a strategic roadmap tailored to align legacy systems with modern business and technology requirements.

Re-platforming & Re-architecting

Convert monolithic applications to microservice architectures and migrate suitable components to cloud environments. Utilise containerisation to enhance portability and scalability.

Integration & Optimization

Integrate new applications with existing systems and data sources to ensure seamless functionality. Optimise performance through advanced cloud services and automation tools.

Change Management & Training

We support smooth user adoption through comprehensive change management strategies and tailored training programs.



Outcomes

- **Enhanced Performance & Scalability:** Modernised applications are designed for agility and scalability, allowing you to respond quickly to changing demands and user growth.
- **Improved User Experience:** Modernisation leads to improved performance, faster load times, intuitive interfaces, and a more seamless user experience - enhancing customer satisfaction and engagement.
- **Reduced Operational Costs:** Modernisation eliminates the need to maintain outdated infrastructure, leading to lower maintenance costs and improved resource utilisation.
- **Increased Innovation:** By freeing up resources and reducing technical debt, modernisation enables your development teams to focus on innovation and building new features that drive business value.
- **Future-Proofed Applications:** Modernised applications leverage the latest technologies, ensuring they remain competitive and adaptable in the ever-evolving digital landscape.



High-Level Timelines

Our indicative timeline is based on our experience of delivering similar engagements for multiple organisations. Once engaged, we will work with you to create and agree a bespoke plan to meet your specified requirements.

Weeks: > 24

Why KPMG



Top Professional Brand

KPMG has a strong brand and excellent reputation. We are focused on customer needs and have a pragmatic approach for the design and delivery of our Projects. Our team has a proven track record of delivering similar engagements and an intimate knowledge of challenges faced by our clients.



Constructive Input and Challenge

We consider it to be our responsibility to bring an independent perspective and constructively challenge existing processes and systems. We will highlight and share with you both internal and external leading practices.



We Employ a Collaborative and Integrated Team Approach

We deliver a full suite of evidence-backed recommendations in collaboration with KPMG sector and technical experts in all parts of our business around the globe. By working in multi-disciplinary teams, we can deliver holistic thinking and insights for even the most complex challenges.



We Have Strong Relevant Recent Credentials

We have worked across multiple industries and will bring insights from other sectors to challenge your thinking. We have vast Cloud and DevOps expertise within our technology practice in the UK region alone, who cover everything from hosting strategies to building landing zones. We produce agile, resilient and efficient IT functions that support the wider enterprise.

Our Team, Stories and Solutions

Business Outcomes Powered by Cloud

Our Solutions

Cutting-edge technology, business focused solutions

Our Stories

Discover the impact we've made in the Cloud industry

Our Insights

What are the big issues at the top of your business agenda? Read our latest thinking and research to stay on top of change.

AI and Machine Learning

Thought-leadership, expert analysis, and guidance on all things AI.

AI and Machine Learning

Technology and innovation

Trusted insights and actionable advice on emerging technologies.

Technology and Innovation



The CEO Guide to AI Value



Agentic AI: the what, the why and the how

And many more....

KPMG Industry Analyst Recognition

Industry analysts recognition and accolades - KPMG Global



Microsoft Partner of the Year for 2023
Microsoft Prestige Award for Supplier of the Year



KPMG named a **Global Leader** in Verdantix Green Quadrant: **ESG and Sustainability Consulting 2024**



Global Partner of the Year 2024
Google Cloud DE&I Partner 2024



2x Guinness World Records for DevOps and Cloud Upskilling

DevOps upskilling in KPMG and the community



2020, 2021, 2022

Highly Commended / DevOps Leader of the Year 2023



The Forrester Wave™: Cybersecurity Consulting Services in Europe, Q1 2024





Contact Us



Jonathan Grice

Partner, **Head of AI
Platforms & Cloud
Engineering Infrastructure
Government and Healthcare**

KPMG LLP, CIO Advisory
15 Canada Square
London E14 5GL
jonathan.grice@kpmg.co.uk



Paul Burns

Senior Manager, **Head of
Software Engineering**

KPMG LLP
15 Canada Square
London E14 5GL
Email:
paul.burns@kpmg.co.uk



kpmg.com/uk

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