

Evidence-backed AWS Cloud 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 • Cloud Value Management • FinOps • Sustainable Technology	• 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.

London |
Manchester |
Leeds
(Onshore)

UK
Malta
(Nearshore)

India
Bangalore | Pune |
Noida | Gurugram |
Hyderabad
(Offshore)

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.



AWS Cloud Modernisation



Service Description:

KPMG's evidence-backed AWS Cloud Modernisation service elevates your infrastructure to cloud-native standards. Supporting both migrating from on-premises and optimising existing cloud deployments. Following the principles of the AWS Well-Architected Framework our approach not only promises a scalable and secure environment but also optimizes cost-efficiency.



Service Categories

- Application Migration
- Infrastructure Modernisation
- Cloud Native development
- Serverless



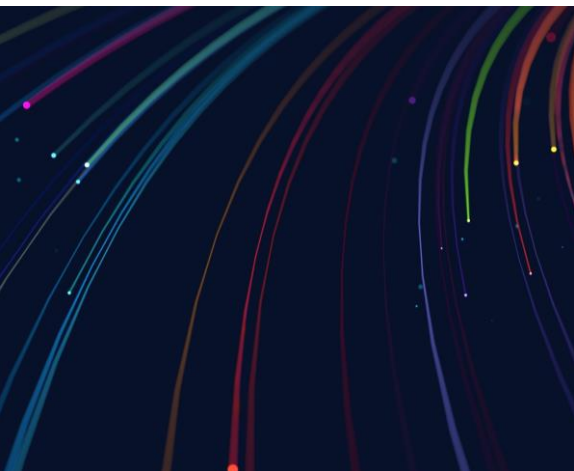
What are the benefits of KPMG Powered IT service?

- Save money by modernizing your infrastructure.
- Improve the performance of your applications.
- Increased agility by migrating workloads to cloud.
- Enhance the security of your applications
- Accelerates innovation through continuous improvement
- Minimise downtime reducing operational costs



Our service features

- Service Discovery and Inventory to plan precise migration paths
- Migration plan to minimise operational downtime and service disruptions.
- TCO analysis to validate benefits
- Application re-architecture for cloud native scalability, performance and cost
- Application refactoring
- Serverless first strategic approach
- Containerisation of existing application
- Continuous Integration/Continuous deployment (CI/CD)



Our Approach

KPMG proposes a well-defined approach that will assist in delivering a customised solution that meets your requirement. Using our global framework, industry experience and methodologies we will accelerate your journey to cloud, adoption of your operating model structure, creation of a resilient architecture and business case.



Key Drivers

- Embracing modern cloud-native technologies like containers, serverless computing, and microservices to build agile and scalable applications.
- Modernizing applications by refactoring code and replatforming on cloud-native technologies.
- Enhancing security posture and compliance with industry regulations through AWS security services and best practices.
- Utilizing AWS data analytics and machine learning services to gain insights from your data and drive better business decisions.



Activities

Planning

- Analyze your existing applications, infrastructure, and data to identify modernization opportunities.
- Set clear objectives for performance, scalability, security, and cost optimization.
- Create a migration plan if necessary, with key milestones, defined scope and migration tool recommendation based on your needs.

Design

- Choose the appropriate modernization approach based on your specific needs and goals, always following cloud and software best practices.
- Use of automation to achieve operational excellence through industry best practices like CI/CD.

Build

- Execute your modernization plan and track your progress towards your desired outcomes.
- Migrate existing applications and infrastructure to the cloud with minimal to none end user impact.



Outcomes

- Improved Performance and Scalability
- Enhanced Security and Compliance
- Increased Agility and Innovation
- Improved ability to adapt to changing market conditions and customer needs
- Improved disaster recovery and business continuity
- Improved compliance with industry regulations and data privacy standards
- Faster application development and deployment cycles



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: > 12 weeks

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





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