

Evidence-backed AWS AI /Agentic AI/ Gen AI

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.



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 AI/Agentic AI/ Gen AI



Service Description:

KPMG's evidence-backed team of cloud, data and AI engineers are experienced in the design, build and run of projects using AWS's AI services. We analyse your use case and recommend the most suitable solution for your requirements from AI Agents to the full breadth of specialised AI and ML services.



Service Categories

- Agentic AI
- Machine learning
- Natural language processing
- Generative AI
- Speech recognition
- Text generation
- Image generation
- Code generation
- Chatbots and virtual assistants
- Image and video analysis



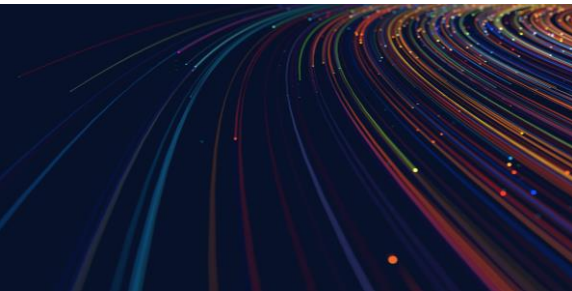
What are the benefits of KPMG Powered IT service?

- Increased efficiency and productivity
- Lowers operational costs through AI-driven process optimisation.
- Enhanced decision making through real-time data and insights
- Creation of personalised experiences for end users
- Ensure compliance with security and regulatory requirements.
- Create new opportunities for innovation



Our service features

- Tailored AWS AI solution design to meet your unique requirements
- Automate complex, multi-step workflows autonomously through Agentic AI
- Comprehensive end-to-end service from initial concept to final deployment
- Leveraging AWS Bedrock for efficient agentic AI
- Leveraging AWS SageMaker for model building and training.
- Leveraging specialised AWS AI/ML services for specific use cases
- Implementation of responsible AI through guardrails and security frameworks



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

- Automate complex multi-step workflows.
- Access a wide range of pre-trained generative AI models, including text-to-image, image-to-image, and text-to-text models.
- Integrate generative AI models into your applications using APIs and SDKs for various programming languages.
- Generate new ideas and content quickly and efficiently.
- Generate insights and predictions based on data and simulations



Activities

Design

- We analyse the client use case to recommend the best solution on the AWS Agentic AI and Gen AI ecosystem.
- Depending on the client needs, we can leverage the existing Foundation Models on Amazon Bedrock, tuning and prompting the chosen model to get the desired outcome, build and deploy custom Agents, or create your own models using Amazon Sagemaker
- We also consider more specialised AI and ML services like Amazon Personalise, Amazon Fraud Detector, Amazon Comprehend or Amazon Rekognition, among others

Implementation

- We create a comprehensive migration plan evaluating existing AI project, including the data, models and infrastructure used.
- We prepared the data ensuring its compatibility with the target services and migrate the existing models using appropriate methods.
- Before migration, we conduct a thorough testing and validation of your AI models and applications before deploying them on the AWS environment and leverage existing AWS AI and ML services as much as possible
- We focus on optimising the deployment for performance, scalability, and cost-efficiency, while maintaining security and compliance standards.



Outcomes

- Generated new ideas and content quickly and efficiently, leading to faster product development cycles and time to market.
- Created personalized and engaging content that resonated with users, leading to increased engagement and conversion rates.
- Automated customer service interactions, providing faster response times and resolving issues more efficiently.
- Generated insights and predictions based on data and simulations, providing valuable information for strategic decision-making.



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: Varies

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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