

Evidence-Backed Cloud Native Development

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.



Cloud Native Development



Service Description:

KPMG's evidence-backed modern software development services are designed to help your business leverage the full benefits of the Cloud. With a focus on data reuse via APIs, scalability with elastic services, and application enhancements using the latest advancements in AI and cloud computing.



Service Categories

- Application transformation
- Application scaling and performance
- Secure application development
- Cloud Native development
- Code and architecture assessment
- DevOps and security assessment
- Data storage and management
- Identity and access management



Service Benefits

- Scalability - automatically adjust to support user growth and peak demand.
- Cost Efficiency via PAYG pricing, elasticity, and reserved instances.
- Improved Reliability, leveraging Cloud SLA's and managed services.
- Integrated services designed for continuous delivery and improvement.
- Efficiency and performance through better technology selection and availability.
- Development of AI enabled services, reducing manual user input.
- Global reach and expansion made easier with distributed data centers.
- Enhanced security via automated policies and controls.
- Increased developer experience and productivity.
- ESG – improved resource efficiency helps lower carbon footprint.



Service Features

- A data first strategy through API development and integration.
- Leverage Cloud Native security, identity, and resilience.
- Developed using open-source components and standards.
- Multi-disciplinary teams combining technical excellence with SME's.
- Analysis of major use-cases to guide technology selection.
- Technology and platform agnostic technical teams.
- Best-fit storage selection, including SQL, NoSQL, KeyValue, and Graph DB's.
- Provider agnostic, with delivery across all major Public Cloud Providers.
- Alignment with existing technology and tool selection.
- Async processing, including messaging, eventing, and PubSub.

Our Approach

KPMG offer a tailored approach to Cloud native development, helping clients leverage cloud native platforms and services to drive applications led transformation. 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 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

Cloud native development is an approach to writing software that guarantees your apps will run efficiently in the cloud. This covers aspects such as scalability, cost efficiency and integrating with managed services as opposed to traditionally hosted infrastructure.

For brand-new apps – it's much easier to embrace to cloud – and you'd typically advance through your analysis/planning/build phases rapidly as cloud offerings accelerate your build process.

For existing apps, an incremental approach must be taken to ensure the integrity and continued success of the existing solution. Such activities may include:

- **Migrating to managed services** – such as databases, which would require data migration, testing, transitioning and configuration changes to the application.
- **Refactoring bottlenecks** – by introducing caching, leveraging serverless or even introducing deployment management services such as Kubernetes to allow for resource provisioning and autoscaling.
- **Lowering your costs** – by moving to managed services, cost-effective tiers and/or consumption-based pricing to only pay for what you use.



Outcomes

Efficiencies – whether it's a case of leveraging managed services to lighten the load on your internal IT function, or optimising costs through flexible pricing plans, cloud services provide huge opportunities to make your business more efficient.

Expansion and growth – the variety of services to aid internationalisation and scalability present barrier-free opportunities to extend your reach into new markets and geographics, through code.

Future-proof software – get access to a wide range of tooling – with dev toolkits and cross-language support coupled with high availability and SLAs to ensure your apps continue to run smoothly.

Peace of mind – break away from the burden of self-hosting core services from your platform and move to a service model where you become the customer. Cloud service SLAs, guarantees and tiering ensure your systems remain up and your customers remain happy.

Retain top talent – retaining high performing engineers is a challenge, but maximising your use of modern development practices will help this endeavour.



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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CREATE. | CRT164925A January 2026