

Evidence-backed Private Cloud Platforms

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.



Private Cloud Platforms



Service Description:

KPMG's evidence-backed private cloud platform architecture and design service allows clients to exploit public cloud-like services with scalability and flexibility, while maintaining control and security within your own infrastructure. Our architectures offer high levels of customisation, security, and compliance while exploiting the agility of cloud and cost and control benefits of self-hosting.



Service Categories

1. Infrastructure design
2. Hybrid cloud solutions
3. On-premise environments
4. Platform Modernisation
5. Environmental and ESG advisory
6. Regulatory compliance
7. Security
8. Capacity & performance
9. Risk Reduction and Management
10. Cost Management & FinOps



What are the benefits of KPMG Powered IT service?

- Reduced time to market through self service provisioning of IaC
- Increased flexibility and resiliency through cross platform consistency and alignment of platform and application roadmaps
- Local control of security posture and policy enforcement
- Decreased risk through reduction in Third Party Risk Management
- Vendor agnostic design services with partner support and architectural signoff from VMWare / RedHat / Microsoft / Google etc
- Full data sovereignty for self hosted solutions
- Decrease operational risk through platform modernisation
- Minimise private cloud costs and optimise across hybrid estates (legacy, private cloud, public cloud) (CapEx, OpEx)



Our Service Features

- Infrastructure design and / or technical design assurance
- Business case design, realisation strategy & implementation
- Hosting strategy design and optimisation
- Vendor Selection
- Platform modernisation, risk remediation & data centre Simplification
- ESG benchmarking and green design
- Hardware and Software Asset Management and dependency mapping
- Software defined storage and networking, infrastructure as code (IaC), and self-service deployment
- Integration across hybrid environments for holistic management
- Supporting modern workloads, including AI LLM capability

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.



Requirements

Releasing the benefits of private cloud requires operating model change and collaboration from across technology. These requirements allow the flexibility of cloud to be retained while hosting on-prem.

Key requirements:

- Alignment of business, technology and platform strategies across traditional infra, private, and public clouds.
- Centralised oversight of infrastructure standards, policies and patterns.
- Implementation of a dev-ops model across application teams for embed infrastructure delivery and self service
- Inter-platform/application co-ordination for aligned roadmap delivery and product development.
- Software defined networking and storage.
- API centric delivery philosophy to allow for flexible development.



Activities

Build your Private Cloud strategy

- Create detailed roadmap for Private Cloud capabilities aligned with business objectives
- Deliver a workload placement strategy that maximises the ROI of application migration investment

Agile infrastructure delivery

- Centralise and formalise feature development backlog
- Implement agile practices across infrastructure delivery

Self-service & automation

- Architect and deliver automation for infrastructure management operations
- Create business-centric self-service capabilities for the Private Cloud

Infrastructure architecture

- Architect infrastructures that enable automated change and self-service with embedded security controls
- Implement Infrastructure-as-Code (IaC) for infrastructure delivery



Outcomes

Enable business agility

- Drive user satisfaction by organising around products not technologies
- Increase platform adoption by aligning platform and application roadmaps

Agile platform delivery at scale

- Increase throughput for infrastructure change
- Continuously align platform direction with business needs

Cloud capabilities, everywhere

- Enable business autonomy for platform consumers through self-service APIs and portals
- Minimise friction when porting applications between hosting targets, through cross-platform feature parity

Future-ready platform architecture

- Security and flexibility designed in from the ground up to ensure lifetime value
- Minimise technical debt through regular agile infrastructure evolution



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.

Initial Assessment: 8-12 Weeks

Transformation: > 12 Months

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



Tom Bragg

Director,
**Head of Cloud Engineering
Modern Hosting**

KPMG LLP, CIO Advisory
2 Forbury Place
33 Forbury Road
Reading, RG1 3AD
tom.bragg@kpmg.co.uk



kpmg.com/uk

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