



DevOps

A KPMG Service for G-Cloud 14

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kpmg.co.uk

KPMG About us



KPMG is one of the largest Cloud Advisory & Implementation providers in the UK.

We bring end-to-end services across the entire cloud journey from Strategy and Planning, Designing, Building and Securely running clients Cloud environments with a diverse and multi-disciplined team

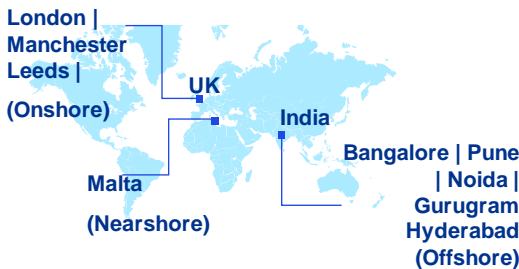
<p>Cloud Practice in its 8th year</p>	<p>1000+ Cloud Team (750+ Architects and Engineers, 250+ Advisors & consultants)</p>	<p>2000+ cloud certifications in Azure, Google, AWS</p>	<p>£50M + cloud spend supported annually</p>	<p>600+ cloud projects completed</p>	<p>50%+ Focused on highly regulated industries</p>
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<h3>KPMG Cloud practice</h3> <ul style="list-style-type: none"> • 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 	<h3>Our Principles</h3> <ul style="list-style-type: none"> • Industrialised approach reusing assets and accelerators • Automate everything • Deliver value for money • Pride ourselves on high quality outcome deliverables 	<h3>How we Operate</h3> <ul style="list-style-type: none"> • Sprint based projects for fast iterative results • Outcome focused multi-disciplinary teams • Deliver with our clients, upskilling as we go • Bringing constructive challenge and opinions • Strong, established network to ensure partnering excellence
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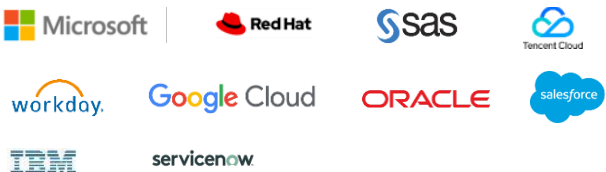
Our Core Cloud Propositions Besides the core cloud propositions we deliver 120+ services mentioned in our Service Catalogue

<p>Cloud Strategy</p>	<p>Cloud Value Management - FinOps</p>	<p>Cloud Build, Migrate & Transform</p>	<p>Operating Model & Cloud Centre of Excellence</p>	<p>Security & Risk, Controls and Cyber</p>
<p>Cloud Managed Services, DevOps as a Service</p>	<p>Cloud Data & Analytics</p>	<p>GenAI</p>	<p>Programme Management & Change Adoption</p>	<p>ESG</p>

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.



DevOps



Service Description:

DevOps services combine software development and IT operations to improve the speed and quality of software delivery. They include continuous integration, continuous delivery, infrastructure as code, monitoring and logging, and collaboration and communication. The goal is to improve efficiency, reliability, and collaboration between teams



Service Benefits

- **Master time-to-market:** Faster delivery of software changes to respond more quickly to changing market conditions and customer needs.
- **Improved quality:** DevOps practices such as continuous integration and delivery, automated testing, and infrastructure as code help to improve the quality of software and reduce the number of defects.
- **Increased efficiency:** DevOps practices help to streamline software development and deployment processes, which improves overall efficiency and reduces waste.
- **Greater collaboration:** DevOps practices encourage collaboration and communication between development and operations teams, which helps to break down silos and improve overall efficiency.
- **Improved customer satisfaction:** DevOps enables organizations to deliver software changes more quickly and with higher quality, which can lead to increased customer satisfaction.
- **Better risk management:** DevOps practices such as automated testing and infrastructure as code help to reduce the risk of software failures and security breaches.
- **Increased agility:** DevOps enables organizations to respond more quickly to changing market conditions and customer needs, which improves overall agility and competitiveness.



Service Categories

- DevOps Maturity Assessment
- via DORA or SPACE frameworks
- DevOps implementation
- IaC Implementation for Platform
- Developer experience Implementation & Assessment
- Automation of existing DevOps set up
- Automated LandingZone Implementation on cloud
- Implementation, review and modification of Pipelines
- Implementation of DevOps implementation and adoption of best practices



Service Features

- **Automation:** DevOps services automate many aspects of software development and deployment, including testing, deployment, and infrastructure management.
- **Continuous Integration and Continuous Delivery (CI/CD):** DevOps services enable continuous integration and delivery of software changes, which allows for faster and more frequent releases.
- **Infrastructure as Code (IaC):** DevOps services use code to automate the provisioning and management of infrastructure, which allows for more efficient and consistent infrastructure management.
- **Containerization and Orchestration:** DevOps services enable the deployment and management of containerized applications, which allows for greater scalability and flexibility.
- **Monitoring and Logging:** DevOps services provide monitoring and logging capabilities to help teams identify and troubleshoot issues in real-time.
- **Collaboration and Communication:** DevOps services facilitate collaboration and communication between development and operations teams, which helps to break down silos and improve overall efficiency.
- **Security:** DevOps services include security features to ensure that software and infrastructure are secure and compliant with industry standards.
- **Scalability:** DevOps services are designed to be scalable, allowing teams to easily scale up or down as needed.
- **Flexibility:** DevOps services are flexible, allowing teams to choose the tools and technologies that best fit their needs.
- **Analytics:** DevOps services provide analytics and reporting capabilities to help teams measure and improve their performance over time.



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

- Current Organisational Design and Operating Model
- Current Measurement of Continual Improvement
- Current Tooling Governance
- Current skill set of the organization
- DevOps adoption strategy
- Reference architecture of the DevOps tools across platform and Applications
- Golden Pathways if followed
- Developer Platform Experience
- Measurement metrics around DORA



Activities

Frame

- Problem statement
- Document the current ways of working and DevOps maturity
- Understand & analyze the enterprise level, operation level & technical level details
- Understand the current tooling and skill level maturity

Discover

- Deep dive into the analysis to verify the cause and effect relationships.
- Map out the value stream and the Build and Delivery pipeline, and DevOps Toolchain.
- Create the strategy document for DevOps.

Design

- Prioritize and develop the strategy recommendations
- Organize into Objectives and Key Results
- Create the Backlog and Plan the work

Deliver

- Form the Delivery Team
- Deliver and evaluate against the OKRs.
- Then Iterate..



Outcomes

People

- Team Topology
- SPACE framework
- Platform Engineering
- Learning Pathways

Automation & Tooling

- Shift Left Security Best practices
- Automated testing & framework, Controls, Golden pathway
- Tooling catalogue, Value stream Mapping, Enterprise tooling framework

Data & AI

- DORA Metrics, SPACE , Developer surveys
- AIOPS
- Observability & DevOps Assessment
- Insights and Metrics Platform
- Code Assistance & Delivery
- Log Monitoring



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:

- 4-6 weeks: Maturity assessment and operating model definition
- 6-24 weeks: Implementation & automation
- 24 weeks+: Collaborative implementation for Optimized solution using new tools, automation & Data



Why KPMG



Top Professional Brand

We have robust methodologies. 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 in delivering similar engagements and an intimate knowledge of challenges faced by our clients. KPMG has a strong brand and excellent reputation.



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 practice



We employ a collaborative, integrated team approach

We deliver a full suite of 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 deliver holistic thinking and insights to even the most complex challenges.



We have strong relevant recent credentials

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

Thought Leadership



How to secure your data on cloud



ESG Centric app. development strategy



Why a "Cloud Exit Strategy" is essential



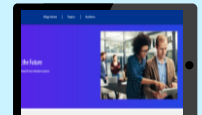
AI & Cloud

100+ POVs/Blogs

Some of them are displayed here



What does sustainability in IT really mean?



Mainframes modernisation



How can we harness cloud as the route to the future of compute?



Enterprise Architecture considerations for ERP

And many more....



KPMG Industry Analyst Recognition



2022 Partner of the Year Winner
Dynamics 365 Finance Award
2022 Partner of the Year Finalist
Global SI & Advisory Digital Transformation Award
Advisory Services Award

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



UK'S LEADING MANAGEMENT CONSULTANTS 2023



WOMEN IN TECH EXCELLENCE AWARDS 2021

Industry analysts recognition and accolades - KPMG Global



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