



Evidence-backed AWS Security

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 Security



Service Description:

KPMG's evidence-backed in-depth evaluation of your AWS infrastructure from a security standpoint against industry standards including CE+. Providing comprehensive assessments with tailored remediation roadmap strategies focussing on quick wins to enhance your cloud security posture ensuring assets and data are protected against evolving threats. We can also remediate any issues found.



Service Categories

- Security compliance
- Identity Access Management
- Least privilege
- Data encryption
- Continuous monitoring



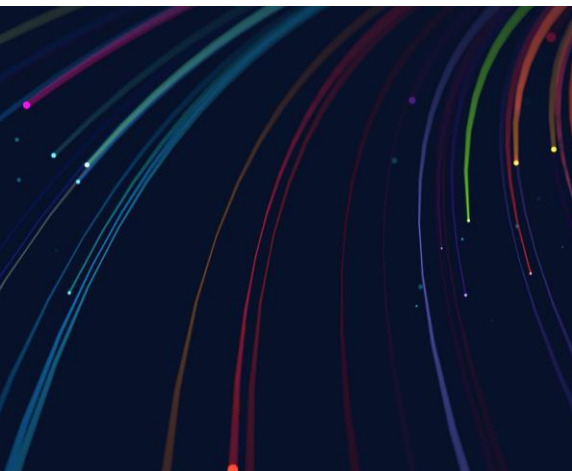
What are the benefits of KPMG Powered IT service?

- Improved security posture by identifying and advising on improvements.
- Compliance assurance against security standards and regulatory requirements
- Ensures sensitive data is adequately protected against unauthorised access.
- Identify observability enhancements for proactive remediation of security issues.
- Provides a solid foundation for informed decision making.
- Actionable advice for remediation



Our service features

- Identifies IAM role over-privileges and policy lapses.
- Assesses EC2 patching and compliance status.
- Assesses ECR software vulnerabilities
- Evaluates VPC networking architecture and security gaps.
- Analyse key data services permissions for exposure risk.
- CloudTrail scanning for abnormal activity patterns.
- Confirms encryption of data at rest and transit
- Summary of identified vulnerabilities with remediation actions
- Option to fix discovered issues with staff upskill training programme



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

- Provide compliance against any of the 143 security standards supported by AWS, like PCI-DSS, GDPR, FIPS 140-2, NIST 800-171 or CE+.
- Reduce security risk minimising workload attack surface
- Implement least privilege access: Grant users and applications only the minimum permissions required to perform their tasks.



Activities

Design

- Our AWS security assessment begins by consulting with key stakeholders to gain an understanding of both the business objectives and technical architecture of the cloud workload, allowing us to tailor our approach based on the AWS services, third party platforms and specific concerns.
- By default, we focus on the key areas of IAM policies, encryption practices and network configurations, and then tailor our assessment based upon the type of workload (VM, container, serverless, or database).
- Our holistic approach ensures the evaluation covers technical compliance and looks at enhancing the organisation's overall security posture in a way that supports its goals analysing existing security policies

Implementation

- We help clients in migrating to a secure cloud environment and improve their overall security posture prioritising minimum downtime and ensuring data integrity.
- After the in-depth analysis of the environment using AWS tools such as AWS Config, Inspector and CloudTrail complemented with our own toolkits, we develop a migration plan that includes the implementation of all findings identified against industry standards such as the AWS Well-Architected Framework.



Outcomes

- Enhances Security Posture by reducing risk of security breaches and data leaks.
- Provides improved protection against cyber attacks and malicious activity.
- Reduced downtime and data loss in the event of a security incident.
- Faster recovery times and minimized business disruption.
- Demonstrates compliance with industry standards and regulations.



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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