



Evidence-backed GCP 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.



GCP Security



Service Description:

KPMG's evidence-backed evaluation provides an in-depth review of your GCP infrastructure from a security standpoint against industry standards including CE+. Our approach delivers comprehensive assessments with tailored remediation roadmap strategies to strengthen your cloud security posture, ensuring assets and data remain protected against evolving threats. We can also remediate any issues identified.



Service Categories

- Network Security
- Security compliance
- Identity Access Management
- Least privilege Principle
- Data encryption
- Application Security



What are the benefits of KPMG Powered IT service?

- Reduce business risk and reduce potential issues to reputation
- Improved security posture by identifying and advising on improvements.
- Compliance assurance against security standards and regulatory requirements
- Ensures sensitive data is adequately protected against unauthorized access.
- Identify observability enhancements for proactive remediation of security issues.
- Provides a solid foundation for informed decision making.
- Actionable advice for remediation
- Protect corporate data - Data Protection and governance controls
- Just in time / Zero Trust approach to elevated Access
- Control who, what and where you can access cloud services



Our service features

- Clearly Defined list of Cloud Security Governance Control.
- Identifies GCP IAM role over-privileges and policy lapses.
- Assesses Compute Engine patching and compliance status
- Assesses Artifact Registry software vulnerabilities
- Evaluates VPC networking architecture and security gaps.
- Cloud Monitoring logs scanning for abnormal activity patterns.
- Summary of identified vulnerabilities with remediation actions
- Recommended security baseline for administrators across Cloud Applications
- Secure System design and controls for cloud access
- Enhance user authentication security through Multi-factor

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

- Client need security clearance from their internal & external customer, So they are keen on enhancing Security postures of their GCP org account.
- KPMG help clients to achieve these clearance implementing security controls.
- Provide compliance against a security standard supported by Google Cloud such as PCI DSS, FedRAMP, HIPAA and more.



Activities

- We help client to identify VPC mis-configuration enables network and enhanced network security.
- Near real-time log access for security visibility in dashboard.
- Binary Authorization: Only trusted containers can be deployed on GKE
- Intrusion Detection System (IDS): Cloud-native threat detection.
- Prevent leakage of sensitive data through Cloud DLP.
- Web App and API Protection: Anti-DDoS, WAF, anti-bot, and API protection.
- Centralised security information such as vulnerability and threat reporting using Security Command Centre.
- Security automation to ensure cloud security solutions can scale alongside cloud infrastructure and rapidly detect, prevent, and remediate potential attacks.
- Container security implementation through targeted security controls for containerized applications.
- Predictive analytics, powered by machine learning, to identify and respond to potential threats earlier in the attack chain.



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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CREATE. | CRT164925A January 2026