

Evidence-Backed Cloud Controls Effectiveness Testing

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 Control Effectiveness Testing



Service Description:

KPMG's evidence-backed Cloud Control Effectiveness Testing includes the validation of control design and operating effectiveness, across all domains including but not limited to security, resilience, service operations, governance, and the provision of recommendations to implement and uplift the controls.



Service Categories

- Test strategy design
- Test planning
- Test of design
- Test of operating effectiveness
- Remediation recommendations and roadmap support



What are the benefits of KPMG Powered IT service?

Accelerated review and validation of controls

- Quickly confirms whether cloud controls are well-designed and operating effectively, using predefined testing methods for fast, reliable assurance.

Accelerated remediation of control issues

- Provides rapid, actionable fixes for identified gaps, helping organisations reduce risk and strengthen cloud resilience sooner.

Prioritisation of heat maps and control remediation

- Delivers clear, risk-based heat maps to focus attention on the most critical control weaknesses, ensuring remediation efforts have maximum impact.



Our service features

Test strategy design

- A focused, tailored testing approach aligned to the organisation's cloud environment and risks.

Test planning

- Structured planning covering scope, timelines, evidence needs, and stakeholders to ensure smooth execution.

Test of design

- Reviews whether controls are designed effectively to address intended risks.

Test of operating effectiveness

- Confirms controls work as intended in practice through sampling, walkthroughs, and evidence review.

Remediation recommendations

- Provides prioritised, actionable guidance to strengthen control design and operational performance.

Our Approach

KPMG proposes a well-defined approach that will assist in delivering a customised solution that meets your requirement. Using our predefined test strategies, we will accelerate controls testing and ultimately speed up your journey to cloud.



Requirements

Access to Cloud Control Documentation

- Provide detailed control descriptions, process flows, policies, and evidence needed to assess design and effectiveness.

Availability of Control Owners and Operators

- Key personnel must be accessible for walkthroughs, interviews, and clarifications to support design and operational testing.

Defined Scope and Testing Boundaries

- A clear definition of in-scope systems, environments, controls, and risk areas is required to ensure accurate test planning and execution.

Evidence Readiness and Data Availability

- Relevant logs, reports, tickets, configurations, and operational artefacts must be available to validate whether controls operate as intended.

Engagement in Remediation Activities

- Teams must be prepared to review findings, prioritise remediation actions, and implement improvements based on recommendations.



Activities

1. Control Design Validation

- Perform walkthroughs with control operators and controls owners
- Review control design and document results in excel report template.
- Identify evidence and data points for control effectiveness testing

2. Control effectiveness testing

- Customise KPMG's test plans/ strategies for the client
- Perform Operational Effectiveness Testing and document results in excel report template.

3. Assessment reporting

- Raise remedial actions over control weaknesses
- Track remedial actions to closure.
- Capture any relevant updates within the Risk and Control Framework to accurately reflect uplifted Cloud Controls post remediation.



Outcomes

- Accelerated review and validation of control design and effectiveness
- Actionable solutions for improvement and accelerated remediation of control issues



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.

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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