

# Evidence-backed Azure Integration Design and Implementation Services

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.

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|  <p>AI Platforms &amp; Cloud Engineering in its <b>10<sup>th</sup></b> year</p> |  <p><b>1000+</b> AI Platforms &amp; Cloud Engineering Team (670+ Engineers &amp; Architects, 500+ Advisory &amp; Delivery consultants)</p> |  <p><b>2000+</b> AI &amp; Cloud certifications in Azure, Google, AWS</p> |  <p><b>£30M +</b> AI Platforms &amp; Cloud Engineering spend supported annually</p> |  <p><b>600+</b> AI Platforms &amp; Cloud Engineering projects completed</p> |  <p><b>50%+</b> Focused on highly regulated industries</p> |
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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

|                                                                                                                                                                                |                                                                                                                                                                                    |                                                                                                                                                 |                                                                                                                                               |                                                                                                                                    |
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| <b>Operational Excellence</b>                                                               | <b>AI Powered Modern Platform</b>                                                               | <b>Modern Engineering</b>                                    | <b>Value &amp; Sustainability</b>                        | <b>AI Powered Application Modernisation</b>   |
| <ul style="list-style-type: none"> <li>• Cloud CoE &amp; Target Operating Model</li> <li>• Cloud Programme Risk and Assessment</li> <li>• Cloud Maturity Assessment</li> </ul> | <ul style="list-style-type: none"> <li>• Cloud Design, Build, Migrate &amp; Transform</li> <li>• Cloud Risk Controls &amp; Cyber</li> <li>• Cloud Security Architecture</li> </ul> | <ul style="list-style-type: none"> <li>• DevOps &amp; DevSecOps</li> <li>• Secure SDLC</li> <li>• Site Reliability Engineering (SRE)</li> </ul> | <ul style="list-style-type: none"> <li>• ESG</li> <li>• Cloud Value Management</li> <li>• FinOps</li> <li>• Sustainable Technology</li> </ul> | <ul style="list-style-type: none"> <li>• Gen AI</li> <li>• Cloud Data &amp; Analytics</li> <li>• Logging and Monitoring</li> </ul> |

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.



# Integration Design and Implementation Services



## Service Description:

KPMG can help clients build evidence-backed modern integration services hosted on the Azure platform. We help modernise legacy systems with low code and API's, standardise the way messages are passed between your business systems and provide flexibility to support a variety of integration approaches like message based, events and file based, reduce point to point application integrations and provide a secure mechanism to integrate systems coupled with flexible hosting in cloud and on premises.



## Service Categories

- Current state integration understanding
- Integration requirements and future state strategy
- Azure integration services approach and design
- Secure and scalable Azure Integration solution implementation
- Common error handling framework
- Automation deployment using CI/CD
- Logging and tracing to enable message tracking and troubleshooting
- Monitoring and governance



## Service Benefits

- Seamless integration across enterprise applications landscape
- Secured integration with 3rd-party API, SaaS applications using API connectors
- Reduces application/systems point-to-point dependency
- Unified Alerts, Logging and monitoring using Azure Log Analytics Workspace
- Reduces application interface development time by using reusable integration patterns
- Auto-heal integration patterns save time/effort recovering from planned downtime
- Limit interruptions when downstream is not available by securely saving messages



## Our service features

- Develop integration using Azure PaaS services such as LogicApp, servicebus, APIs
- Seamless integration with third party API using LogicApp standard connectors
- Implement Low-Latency and High-Throughput interfaces using stateless LogicApp
- Securely publish API using Azure API Management
- Design and develop reusable integration patterns like claim-check, message filter
- Define Integration Strategy as blueprint for designing interfaces
- Design and develop standard reusable Integration Pattern

# Our Approach

KPMG approach towards Cloud maturity assessment involves evaluating organization readiness and effectiveness in leveraging and modernizing on cloud platforms. The assessment is made against 6 key pillars such as strategy, architecture, operations, security, skills and culture to identify gaps and create a roadmap to improve cloud adoption.



## Requirements

Successful Azure integration requires comprehensive planning to connect disparate systems and applications efficiently. Key requirements include understanding existing IT infrastructure, ensuring data compatibility, maintaining high security and compliance standards, and planning for scalability to accommodate future growth.



## Activities

### System and Requirements Analysis

- Conduct a thorough analysis of current systems and integration points.
- Identify functional and non-functional requirements for integration.
- Map out dependencies and potential integration challenges.

### Integration Architecture Design

- Design a scalable and secure integration architecture using Azure services.
- Select appropriate Azure integration tools such as Logic Apps, API Management, and Service Bus.
- Plan for data flow management and error handling mechanisms.

### Implementation and Deployment

- Develop and deploy integration solutions within Azure.
- Configure API gateways and event-driven architectures as needed.
- Ensure all integrations are optimised for performance and security.

### Testing and Validation

- Perform rigorous testing to ensure integrations work as intended.
- Validate data consistency and integrity across systems.
- Adjust configurations based on test results and feedback.



## Outcomes

Implementing Azure integration services results in a seamlessly connected IT environment that supports efficient data exchange and streamlined workflows. This approach not only enhances system interoperability and operational efficiency but also prepares your infrastructure for future scalability and integration of emerging technologies.



## 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**





# Contact Us



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