

# Evidence-backed Azure Disaster Recover Implementation and Strategy

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.

London |  
Manchester |  
Leeds  
(Onshore)

UK  
Malta  
(Nearshore)

India  
Bangalore | Pune |  
Noida | Gurugram |  
Hyderabad  
(Offshore)

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.



# Azure Disaster Recover Implementation and Strategy



## Service Description:

The KPMG evidence-backed Azure Disaster Recovery Implementation and Strategy service focuses on designing and executing extensive disaster recovery plans, ensuring business continuity, data protection, and system resilience across cloud and on-premises environments, tailored to meet the unique recovery objectives and risk tolerance of each organisation.



## Service Categories

- Disaster Recovery Planning and Design
- Business Continuity Strategy Development
- Cloud-Based Disaster Recovery Solutions
- On-Premises to Cloud Migration for Disaster Recovery
- On-Premises to Cloud Migration For Disaster Recovery
- Automated Failover and Failback Procedures
- Risk Assessment and Mitigation Strategies
- Disaster Recovery Testing and Simulation
- Recovery Time and Recovery Point Objective (RTO/RPO) Optimisation



## Service Benefits

- Ensures business continuity, minimising operational disruptions during unforeseen events.
- Reduces recovery times, quickly restoring critical services after a disaster.
- Lowers risk of data loss, protecting valuable business information.
- Cuts down disaster recovery costs through efficient cloud-based solutions.
- Enhances operational resilience, preparing businesses for any emergency scenario.
- Streamlines disaster recovery processes with automated failover and failback.
- Simplifies compliance with industry regulations through comprehensive disaster planning.
- Improves confidence in business stability among stakeholders



## Our service features

- Disaster recovery planning for business-specific needs and objectives.
- Strategic development of business continuity plans.
- Implementation of cloud-based solutions for scalable and efficient disaster recovery.
- Seamless on-premises to cloud migration services enhancing disaster recovery capabilities.
- Comprehensive data backup and replication strategies safeguarding critical assets.
- Automated failover and failback procedures for minimal downtime during disasters.
- Regular disaster recovery testing and simulation to ensure plan effectiveness.
- Optimisation of Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO) for rapid recovery.

# Our Approach

We tailor disaster recovery plans to your business needs, emphasising minimal downtime and data loss with automated failover mechanisms. Through rigorous testing and continuous improvements, we ensure your strategies remain effective and aligned with evolving technologies and organisational requirements.



## Requirements

Successful implementation of Azure disaster recovery strategies requires a detailed understanding of the organisation's critical workloads, data importance, and recovery objectives. It involves ensuring business continuity by designing redundant systems, implementing failover mechanisms, and establishing clear recovery processes that minimise downtime and data loss.



## Activities

### Disaster Recovery Planning

- Assess critical applications and data to determine recovery priorities.
- Define Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO).
- Develop a comprehensive disaster recovery plan that includes both failover and fallback procedures.

### Infrastructure Setup and Configuration

- Configure Azure Site Recovery services for replication.
- Set up secondary disaster recovery sites within Azure to ensure geographical redundancy.
- Implement automation scripts for failover and recovery processes to reduce manual intervention.

### Testing and Validation

- Regularly conduct drills and simulations.
- Adjust and update recovery plans based on testing outcomes to address any gaps or issues.
- Ensure all team members are trained and familiar with disaster recovery procedures.

### Monitoring and Continuous Improvement

- Implement monitoring tools to continuously track system health and replication status.
- Analyse performance and make adjustments to optimise disaster recovery strategies.
- Stay updated with Azure's latest disaster recovery technologies and best practices.



## Outcomes

The Azure Disaster Recovery strategy ensures that organisations can quickly recover from disruptions with minimal impact on operations, protecting critical data and maintaining business continuity. This robust framework not only reduces the risk of significant financial and reputational damage but also enhances the organisation's resilience against future disasters.



## 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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