

Gcp Migration Modernisation

G-Cloud

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Google Cloud Migration and Modernisation

End-to-end Google Cloud migration execution with landing zone foundations. Delivers workload migration and modernisation for UK public sector organisations.

1 Service Overview

Appvia's Google Cloud Migration and Modernisation service delivers end-to-end migration execution aligned with Google Cloud Architecture Framework. We establish landing zone foundations and execute workload migrations.

What you get:

- **Landing Zone setup** — Secure multi-project foundation aligned with NCSC principles
- **Migration execution** — Automated, repeatable migration patterns
- **Rehost execution** — Lift and shift using Migrate for Compute Engine
- **Replatform** — Migration to managed services (Cloud SQL, GKE, Cloud Run)
- **Refactor support** — Cloud-native re-architecture guidance
- **CI/CD integration** — Cloud Build or GitHub Actions pipelines
- **Infrastructure as Code** — Terraform templates
- **Security validation** — Compliance verification throughout migration
- **Knowledge transfer** — Paired working to upskill your team

Aligned with Google Cloud Architecture Framework best practices.

2 Our Approach

We follow a structured migration methodology that minimises risk while accelerating delivery.

Migration phases:

Phase	Activities
Mobilise	Landing zone setup, migration tooling, team onboarding
Migrate	Wave execution, testing, cutover, validation
Modernise	Platform optimisation, managed services adoption, automation
Operate	Handover, documentation, ongoing support transition

Migration patterns: - **Rehost** — Migrate for Compute Engine for lift-and-shift - **Replatform** — Database migration to Cloud SQL, containers to GKE - **Refactor** — Cloud Run, Cloud Functions, microservices

We use Infrastructure as Code throughout, ensuring all migrations are repeatable, documented, and version-controlled.

3 Getting Started

Migration timelines depend on portfolio size and complexity. A typical programme structure:

Month 1: Mobilisation Landing zone deployment, migration tooling setup, first wave planning, team onboarding.

Months 2-6: Migration Waves Iterative wave execution with each wave including migration, testing, and cutover. Velocity increases as patterns mature.

Month 7+: Operate & Optimise Handover to operations, cost optimisation, continued modernisation support.

Prerequisites: - Completed migration assessment or equivalent planning - Landing zone or budget for landing zone deployment - Source infrastructure access for migration tooling - Application teams available for testing and cutover windows

4 Your Responsibilities

To ensure successful service delivery, you will need to:

- Provide timely access to required resources, stakeholders, and information

- Make appropriate subject matter experts available for design and integration discussions
- Ensure business users are available for acceptance testing as agreed
- Procure necessary software licenses and subscriptions
- Empower your project team to make decisions in a timely manner
- Review and approve deliverables based on agreed acceptance criteria
- Provide source infrastructure access for migration tooling
- Ensure application teams are available for testing and cutover
- Approve cutover windows and rollback criteria
- Provide test data and acceptance criteria for validation
- Participate in paired working sessions for knowledge transfer

5 Security & Compliance

This service supports workloads classified up to **Official-Sensitive** where appropriate controls are in place.

Our security credentials:

- **ISO 27001:2013** and **ISO 9001:2015** certified
- **Cyber Essentials Plus** certified
- **75%+ of our team hold SC clearance**
- All access to customer environments is logged and auditable
- Data remains within UK regions unless explicitly agreed

We operate in alignment with GDS, NCSC, and CDDO security principles.

6 Support & Exit

Ongoing Support

- Dedicated Service Delivery Manager as your primary contact
- Regular service reviews with clear reporting on performance and incidents

- Defined change management aligned with ITIL best practices

Knowledge Transfer

We embed knowledge sharing throughout our engagement: - Documented runbooks and operational procedures - Regular knowledge sharing sessions with your team - Post-incident reviews that share learnings

Exit Process

When the engagement ends, we ensure an orderly transition: - Complete documentation of all configurations and procedures - Knowledge transfer sessions as required - 90-day standard notice period - No disruption to your services during handover

7 Why Appvia

We're a UK-based SME with deep expertise in cloud platforms and a strong track record delivering for UK government.

Cloud Partnerships

- AWS Advanced Tier Services Partner & Public Sector Partner
- Microsoft Azure Solutions Partner
- Google Cloud Partner

Open Source Credentials

- Creators of Terranetes (CNCF project for Terraform on Kubernetes)
- Developers of Wayfinder, a self-service cloud platform

Public Sector Experience

We understand the unique requirements of government and public sector organisations, from security clearance to GDS service standards.

"Appvia have helped us realise our cloud-first strategy with excellent product solutions. The security, governance and peace of mind brought in by the cloud landing zone has dramatically accelerated our journey to cloud-native adoption."

— **Peter Macchiocci**, Bank of England, Head of Platform Engineering

8 Contact Us

To discuss your requirements or request a detailed proposal, contact our Public Sector Team.

Phone: 020 3917 2888

Email: sales@appvia.io

Website: www.appvia.io

When you get in touch, please include: 1. The name of this service 2. Your organisation name 3. Your contact details 4. A brief description of your requirements

We'll arrange a discovery call to understand your needs and provide a tailored response.

Appvia helps organisations build, secure, and innovate across cloud, data platforms, and AI by blending practical engineering expertise with real-world experience.



About Appvia

Appvia helps organisations build, secure, and innovate across cloud, data platforms, and AI by blending practical engineering expertise with real-world experience. Drawing on our background in creating open source CNCF projects like Terranetes and our self-service developer platform, Wayfinder, we bring that industry know-how and expertise into your organisation to help unlock the true value of the Cloud. As an AWS Advanced Tier Partner and a Microsoft Solutions Partner, we specialise in delivering secure, scalable cloud-native platforms and services, including containerisation, FinOps, modernisation, and AI integration.

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