

Data Platform

G-Cloud

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Data Platform Implementation

Data platform design and implementation delivering secure, scalable platforms. We implement modern architectures including lakehouse and data mesh patterns using Databricks, Snowflake, and cloud-native services.

1 Service Overview

Appvia delivers modern data platforms that enable trusted, accessible data across your organisation. We implement lakehouse architectures, data mesh patterns, and cloud data warehouses that your team can operate and extend.

What you get:

- **Architecture design** — Platform aligned to organisational needs
- **Lakehouse implementation** — Using Databricks or cloud-native services
- **Data mesh patterns** — Domain-oriented data ownership
- **ETL/ELT pipelines** — With automated data quality checks
- **Governance capabilities** — Cataloguing and lineage support
- **System integration** — Batch and real-time data processing
- **Self-service analytics** — Platform support for data access
- **AI/ML foundations** — Advanced analytics readiness
- **Automated deployment** — Infrastructure-as-code and CI/CD

Multi-cloud support across AWS, Azure, and Google Cloud.

2 Our Approach

We follow a structured approach that delivers sustainable data platforms.

Implementation phases:

Phase	Activities
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Discover	Requirements, data sources, governance needs
Design	Platform architecture, integration patterns, governance model
Build	Infrastructure deployment, pipeline implementation, quality automation
Enable	Knowledge transfer, documentation, handover

Technology options: - **Databricks** — Unified analytics and AI platform - **Snowflake** — Cloud data warehouse - **Cloud-native** — AWS (Redshift, Glue), Azure (Synapse, Fabric), GCP (BigQuery)

We focus on platforms your team can operate and extend.

3 Getting Started

Data platform implementations typically take 8-16 weeks depending on scope:

Phase 1: Discovery We assess data sources, governance requirements, and technical landscape. We define platform scope and success criteria.

Phase 2: Design & Build Foundation Platform architecture, infrastructure deployment, initial pipeline patterns, and governance setup.

Phase 3: Build & Iterate Data source integration, quality automation, analytics enablement, and iterative refinement.

Phase 4: Enable Documentation, knowledge transfer, and handover to your platform team.

Prerequisites: - Cloud accounts for platform hosting - Access to data sources for integration
- Platform team availability for knowledge transfer - Defined governance requirements

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 cloud accounts for platform deployment
- Grant access to data sources for integration
- Define governance and compliance requirements
- Ensure platform team availability for knowledge transfer
- Participate in architecture and design decisions

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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