



C I R R O

**Managed Platform as a Service (PaaS)
for API Data Integration and Software
Development as a Service**



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Service Name

Managed Platform as a Service (PaaS) for API Data Integration and Software Development

A secure, managed Platform as a Service (PaaS) combined with expert software development capability. The service enables public sector organisations to design, build, document and operate APIs, and to create bespoke data integrations between systems. It provides both the platform and the specialist development expertise required to deliver interoperable, secure and reusable digital services.

Overview

Our Managed PaaS for API Data Integration and Software Development delivers a complete, end-to-end service for API-led integration and digital service delivery. The service combines a managed development and integration platform with experienced software engineers who design, build, document and maintain APIs and integrations on behalf of public sector buyers.

This approach enables organisations to accelerate delivery while maintaining control, security and architectural consistency. The platform abstracts infrastructure and tooling complexity, while our development teams provide practical delivery capability aligned to public sector standards and ways of working.

This service is offered under G-Cloud 15 Lot 1a: Infrastructure and Platform Services, where the platform is the primary offering and development activity is delivered as a managed, platform-enabled service.

Key Capabilities

API Design, Development & Documentation

- API Design Services: Design of RESTful and event-driven APIs using open standards and government-recommended patterns.
- API Development: Build, test and deploy APIs using secure, scalable platform runtimes.
- API Documentation: Creation of clear, maintainable technical documentation to support reuse and onboarding.
- Versioning & Lifecycle Management: Controlled release, versioning and deprecation of APIs.
- API Reuse & Standardisation: Design for reuse across services to reduce duplication and cost.

API Data Integration & Bespoke Integrations

- System Integration Development: Creation of bespoke integrations between existing applications, platforms and data sources.
- Legacy System Integration: Wrapping existing systems with APIs to enable modern interoperability.

- Data Transformation & Mapping: Handling schema translation, validation and enrichment between systems.
- Synchronous & Asynchronous Integration: Support for request/response, messaging and event-based patterns.
- Hybrid Integration: Connect cloud, on-premise and third-party systems securely.

Software Development as a Service

- Dedicated Development Teams: Access to experienced software engineers embedded within the managed service.
- Agile Delivery: Iterative development aligned to agile and DevOps practices.
- Environment Management: Managed development, test and production environments.
- CI/CD Enablement: Automated build, test and deployment pipelines.
- Ongoing Enhancement & Support: Continuous improvement and maintenance of delivered APIs and integrations.

Platform Features & Controls

- API Management & Gateway: Secure exposure, throttling and monitoring of APIs.
- Security & Identity Integration: Authentication, authorisation and role-based access control.
- Monitoring & Logging: Visibility of API usage, performance and errors.
- Audit & Compliance Controls: Logging and reporting to support governance and assurance.
- UK Hosting Options: Platform components can be hosted in UK-based environments where required.

Security & Governance

- Secure-by-design development practices
- Encryption in transit and at rest
- Separation of environments and duties
- Audit trails for API changes and data access
- Clear shared responsibility model between platform, development service and buyer

Benefits to Buyers

- Accelerated Delivery: Platform and developers provided together reduces setup and delivery time.
- Reduced Integration Risk: Experienced teams design and build integrations correctly first time.
- Improved Interoperability: APIs enable data sharing and service reuse across organisations.
- Cost Control: Reusable integrations and APIs reduce long-term development cost.
- Compliance & Security: Delivery aligned to public sector security and governance expectations.

Who This Service Is For

- Central government departments and executive agencies
- Local authorities and combined authorities
- NHS trusts and integrated care systems
- Emergency services and public safety bodies
- Education and arms-length organisations
- Any organisation requiring secure API-led integration and software delivery

Onboarding & Support

Onboarding includes platform setup, access controls, development standards and initial integration planning. Ongoing service includes:

- Software development and integration delivery
- Platform operation and monitoring
- Incident and issue management
- Documentation and knowledge transfer
- Continuous improvement and optimisation

Service levels and support arrangements are defined in the accompanying pricing and service definition documents.

Why Buyers Choose This Service

This service removes the complexity of standing up integration platforms and sourcing specialist development skills separately. Buyers receive a ready-to-use API platform and experienced developers who deliver secure, well-documented integrations that support long-term reuse and interoperability — aligned with G-Cloud 15 principles and public sector digital strategy.

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