



Colibri
Digital

G-CLOUD 15 SERVICE DEFINITION
SOFTWARE DEVELOPMENT & APPLICATION
MODERNISATION SERVICES

Contents

1. Service Overview	3
Technical Product Description	3
Core Public Sector Use Cases	4
2. Features & Benefits	4
3. Technical Requirements & Implementation	5
4. Security & Quality Assurance	6
6. Constraints	7
7. Onboarding & Offboarding	7
Onboarding	7
Offboarding & Exit	7
Data Portability	7
Knowledge Handover	8

1. Service Overview

Supplier Name	GCI NETWORK SOLUTIONS LIMITED
Service Branding	Colibri Digital
Framework	G-Cloud 15 (RM1557.15)
Service Type	Lot 3: Cloud Support

Software Development and Application Modernisation services provided by Colibri Digital offer UK Public Sector organisations high-performance, enterprise-grade engineering solutions. Our services are designed for complex, large-scale environments where sovereignty, scalability, and security are integrated into the core of every codebase.

As an experienced delivery partner, Colibri Digital transitions organisations from monolithic, fragmented legacy systems to modern, cloud-native architectures. We specialise in public cloud development while supporting customers who maintain on-premise infrastructure, ensuring that application performance remains a seamless bridge between our clients and their internal workforces or end users.

Colibri Digital specialise in the delivery of bespoke application/software delivery from Business Analysis, Architecture & Design through to development.

Technical Product Description

Common Key technical components of the delivery include:

Cloud Native Engineering	Design and development of microservices-based application architectures using technologies such as Docker and Kubernetes to ensure high availability and horizontal scalability.
Legacy Refactoring and Re-platforming	Systematic transition of monolithic applications to modern frameworks, including API-enablement of legacy data and "strangler-fig" migration patterns to maintain service continuity.
Data and API Integration	Development of secure, RESTful APIs and modern data architectures (NoSQL, Serverless Databases) to enable cross-departmental interoperability and real-time data streaming.

Core Public Sector Use Cases

Core Public Sector use cases would include:

Citizen Service Transformation	Colibri Digital modernises high-volume transactional services to meet the demands of a modern digital state. We replace rigid, aging infrastructure with Elastic, Cloud-First Architectures designed to handle extreme peak loads (such as deadline-driven application surges) while ensuring the user interface is accessible, intuitive, and compliant.
Legacy Exit and Cloud Migration	Colibri Digital facilitates the rapid exit from costly on-premise data centres and restrictive proprietary contracts. Unlike a simple "lift and shift," our approach focuses on Migration with Modernisation . We transition your workloads into sovereign public cloud environments, refactoring applications to be platform-independent. This reduces operational overheads, eliminates "technical debt" interest, and ensures that your data and services remain under your total control.
Interoperability and Data Sharing	Colibri Digital builds the secure technical bridges required for "Joined-up Government." We can design and implement Enterprise API Layers and Data Exchange Platforms that allow disparate public sector bodies—such as Housing, Social Care, and Education—to share critical information securely, legally, and in real-time. Our approach replaces manual data transfers and brittle batch processing with modern, governed integration patterns.
Internal Workforce Tooling	Colibri Digital develops secure, cloud-native internal applications designed to replace fragmented spreadsheets, paper-based forms, and manual "email-tag" processes. We build Enterprise-Grade Internal services that centralise data, automate repetitive administrative tasks, and provide real-time, audit-ready workflows. By modernising the internal employee experience, we enable public sector staff to focus on high-value decision-making rather than data entry.

2. Features & Benefits

The following outlines the core technical features of the specific value outcomes they provide to public sector organisations.

Features

- **Microservices & Serverless:** Decoupled architectures using AWS Lambda, Azure Functions, or EKS.
- **Automated Security Scanning:** Integration of DAST/SAST and container vulnerability scanning.

- **Technology Agnostic:** Expertise in Java, Python, .NET Core, Go, and React/Node.js.
- **Legacy System Integration:** Expertise in bridging modern front-ends with legacy back-ends.
- **Agile Multi-Disciplinary Teams:** Scalable squads including Developers, Platform Engineers, and QAs.

Benefits

- **Reduced Risk:** Proven methodologies that ensure services pass assessments and meet user needs.
- **Cost Efficiency:** Move from high CAPEX to a consumption-based OPEX model with zero "idle" costs.
- **No Vendor Lock In:** Open-source first approach ensures long-term flexibility and maintainability.
- **Operational Continuity:** Modernise incrementally without the risk of an "all-at-once" failure.
- **Increased Velocity:** Faster time-to-market for new features and critical legislative updates.

3. Technical Requirements & Implementation

The service is delivered in line with the Government Digital Service (GDS) Service Standard, applying an iterative, evidence-led approach to reduce delivery risk and ensure services are secure, reliable, and user-focused.

Delivery follows a structured four-phase model, allowing customers to adopt the service incrementally and maintain control over scope, risk, and cost throughout implementation.

1. Discovery

The Discovery phase establishes a clear understanding of the customer's current technical environment and constraints, as well as their future requirements. Activities typically include:

- Analysis of the existing architecture, platforms, user journeys and integrations
- Identification of technical debt and legacy dependencies
- Assessment of data classification, data residency, and sovereignty requirements
- Review of operational, security, and compliance constraints
- Definition of success criteria and high-level migration options

Outputs from Discovery are used to inform the recommended technical approach and reduce delivery risk before any migration activity begins.

2. **Alpha** The Alpha phase validates the proposed solution through a Proof of Concept (PoC). This is delivered in a sandboxed cloud environment to ensure no impact on live services.

Typical activities include:

- Configuration of a representative cloud environment
- Validation of tooling, automation, and migration patterns
- Early security and access control configuration
- Testing of connectivity, performance, and integration assumptions

Alpha provides evidence that the proposed approach is technically viable and meets customer requirements before progressing to live workloads.

3. **Beta** During Beta, the service supports a pilot migration of non-critical services, typically with limited live traffic.

Activities include:

- Migration of agreed pilot identities
- Controlled exposure to live users or traffic
- Performance, resilience, and operational testing
- Refinement of runbooks, monitoring, and support processes
- Validation of security controls in a live context

Beta allows customers to confirm operational readiness and build internal confidence before full-scale deployment.

4. **Live** The production phase delivers the full production delivery, transitioning agreed services into the target environment.

This phase includes:

- Execution of the agreed migration plan
- Cutover and validation activities
- Integration with live monitoring and support tooling
- 24/7 hyper-care support during the stabilisation period
- Handover to steady-state service management

Live delivery is designed to minimise disruption to end users and operational teams.

4. Security & Quality Assurance

Colibri Digital ensures that all Ping/ForgeRock deployments meet the highest security standards:

- **ISO 27001 & Cyber Essentials Plus:** Our delivery teams operate under strictly audited internal security frameworks.

5. Support & Service Levels

Not available for this offering. Ongoing 24/7 managed operations are not included but can be provided through a separate aligned managed services offering.

6. Constraints

The following constraints apply to the AWS Cloud-Native Modernisation with DevSecOps service to ensure transparency and prevent operational disputes:

Professional Services Scope	This is a Lot 3 Cloud Support offering; it does not include the ongoing cost of AWS resource consumption or the provision of third-party software licences.
Network Infrastructure	The speed and performance of modernised applications integrated with on-premises systems are constrained by the buyer's existing network infrastructure and bandwidth.
Managed Services Exclusion	This service definition covers the initial assessment, design, and modernisation; ongoing 24/7 managed operations are not included but can be provided through a separate aligned managed services offering.
Maintenance Windows	Certain modernisation activities or platform updates may require scheduled maintenance windows, which will be agreed upon in advance to minimise disruption.

7. Onboarding & Offboarding

Onboarding

Buyers are onboarded via a formal kick-off meeting, typically within five working days of a Call-Off Contract. We provide a tailored Project Initiation Document (PID) and access to our secure Jira/Confluence collaboration portal.

Offboarding & Exit

ForgeRock/Ping Identity supports Open Standards. All user data can be exported in standard LDAP/JSON formats, ensuring that the organisation can migrate to another provider if necessary without data loss.

Data Portability

ForgeRock/Ping Identity supports Open Standards. All user data can be exported in standard LDAP/JSON formats, ensuring that the organisation can migrate to another provider if necessary without data loss.

Knowledge Handover

Colibri Digital provides a structured "Shadowing" period where your internal IT staff work alongside our engineers. This is supplemented by:

- **Platform-specific Runbooks.**
- **Video-recorded Training Sessions.**
- **Code-level documentation for all orchestration flows.**