



Colibri
Digital

G-CLOUD 15 SERVICE DEFINITION

AWS CLOUD MIGRATION

READINESS ASSESSMENT

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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

Our AWS Cloud Migration Readiness Assessment is designed to evaluate an organisation's ability to migrate and operate in the cloud. Built upon the AWS Cloud Adoption Framework (CAF), the service identifies potential migration risks and provides recommendations to support a transition to AWS. Assessments are conducted by AWS-certified consultants in alignment with industry security practices.

Specifically tailored for UK public sector organisations, this assessment identifies gaps in cloud readiness across six key perspectives: Business, People, Governance, Platform, Security, and Operations. The assessment aligns migration strategies with technical requirements and identifies gaps against common public sector security frameworks.

NOTE: This service definition covers time-bound professional services activities for assessment, design, and activities. Ongoing managed operations and 24/7 support are out of scope.

We conduct a deep-dive evaluation of your digital estate to produce a data-driven migration roadmap. This process incorporates:

Discovery	Automated and manual analysis of server, database, and application inventory. Analysis of existing architecture, platforms, and integrations. Identification of technical debt and legacy dependencies.
	Key Outputs: Inventory Audit Report and Dependency Map.
Alpha (Assessment)	Deep-dive sessions with technical and business leads to score readiness across the six AWS CAF perspectives: Business, People, Governance, Platform, Security, and Operations.
	Key Outputs: Cloud Readiness Scorecard and Gap Analysis
Beta (Analysis)	Review of existing security controls against the NCSC 14 Cloud Security Principles, as agreed. Creation of a Total Cost of Ownership (TCO) model comparing on-premises expenditure with projected AWS consumption.
	Key Outputs: Security Assurance Pack, evidence-based, and TCO Report
Live (Final Review)	Presentation of the data-driven migration roadmap to key stakeholders. Validation of success criteria and high-level migration options (e.g., the 7 R's).
	Key Outputs: Prioritised Migration Roadmap and Executive Summary

Core Public Sector use cases include:

Data Centre Exit	Provides a structured evaluation for organisations planning to decommission physical data centres. It identifies technical debt and maps dependencies to inform a "secure-by-design" transition to the cloud without disrupting critical public services.
Workload Validation	Evaluates the readiness of sensitive legacy systems to move to AWS. The assessment identifies the specific security controls and encryption standards required to meet the NCSC 14 Cloud Security Principles, as agreed before migration begins.
Legacy Application Modernisation	Determines which legacy monolithic applications are potential candidates for refactoring. This use case evaluates the feasibility of modern cloud-native architectures to support future operational efficiency.
Budgetary & Business Case Justification	Supports financial planning by providing a Total Cost of Ownership (TCO) analysis. This enables departments to justify cloud spend and secure funding by comparing current on-premises costs against projected AWS consumption.
Inter-Departmental Data Sharing	Assesses the readiness of platforms to support secure data exchange between government entities. It evaluates how VPC Peering or PrivateLink can be used within a governed structure to facilitate collaborative analytics while maintaining UK data sovereignty.
AI & Analytics Foundation Planning	Identifies the prerequisites for deploying advanced data and AI services. The assessment informs the organisation that it has the necessary data governance and "sandboxed" environments to experiment safely with Generative AI.

2. Features & Benefits

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

Technical Features	Benefits
AWS Cloud Adoption Framework (CAF) Assessment	Holistic Readiness. Identifies non-technical blockers in people and processes early, reducing the risk of stalled migrations.
Application Discovery & Dependency Mapping	Risk Identification. Identifies technical inter-dependencies to inform migration planning.
NCSC Security Principle Benchmarking, as agreed	Alignment Review. Provides a clear path to meeting OFFICIAL-SENSITIVE (subject to buyer assurance/accreditation) requirements before any data is moved.

Cost Optimisation & TCO Analysis

Financial Forecasting. Enables accurate business cases and prevents "bill shock" by right-sizing resources before migration.

Skills Gap Analysis & Training Roadmap

Operational Excellence. Identifies exactly where your internal teams need upskilling to manage the target AWS environment independently.

3. Technical Requirements

Recommendations are aligned to a Cloud First approach and may include Infrastructure as Code options where appropriate. The service is delivered by SC-cleared consultants, subject to availability and buyer requirements, using a hybrid model of remote and on-site support.

Discovery

Initial workshops to capture business drivers, technical constraints and inventory data.

Assessment

Deep-dive sessions with technical and business leads to score readiness across the CAF perspectives.

Analysis

Processing of inventory data to create a high-level migration plan and TCO report

Final Review

Presentation of the Migration Readiness Report and an actionable roadmap to key stakeholders.

4. Security & Quality Assurance

Colibri Digital is an AWS Premier Tier Partner with the AWS Government Consulting Competency. The assessment is delivered using AWS and public sector security guidance appropriate to the buyer's context.

Personnel

All project staff are SC-Cleared, subject to availability and buyer requirements.

Data Handling

All assessment data is stored securely in the EU-WEST-2 (London AWS region), unless agreed otherwise, and handled in strict accordance with GDPR and Data Protection Act 2018 standards.

Standards

Our delivery processes are certified to ISO 27001 and Cyber Essentials Plus.

5. Support & Service Levels

This service definition covers time-bound professional services. Ongoing managed operations and 24/7 support are out of scope, unless agreed otherwise.

6. Constraints

The following constraints apply to the AWS Cloud Migration Readiness Assessment to maximise transparency and prevent disputes:

Professional Services Scope	This is a Lot 3 Cloud Support offering; it does not include the provision of cloud resources or the migration of workloads themselves.
Data Access	The accuracy of the assessment is dependent on the buyer providing timely access to the platform, key personnel, and inventory data.
Third-Party Tooling	Use of automated discovery tools may require temporary installation within the buyer's environment, subject to internal security approval.

7. Data Restoration & Disaster Recovery

Colibri Digital incorporates Resilience by Design principles into the initial discovery and architectural planning phases. This approach identifies disaster recovery (DR) requirements as a fundamental component of the proposed migration roadmap and target architectural vision.

Our Approach to DR Planning

During the assessment, we evaluate the buyer's existing recovery requirements to inform how the proposed AWS architecture can support organisational resilience goals.

Business Continuity Assessment	We identify "Mission Critical" versus "Business Important" workloads to suggest a tiered DR strategy. This supports the development of cost-effective protection and sustainability targets.
Architectural Resilience	Our architectural blueprints identify strategies—such as AWS multi-Availability Zone (Multi-AZ) and multi-region patterns—designed to mitigate the risk of single points of failure.
Data Protection Framework	We define recommended frameworks for automated backups using services such as AWS Backup. This includes evaluating the requirements for cross-account and cross-region replication to support recovery planning against ransomware or regional outages.

DR Strategy Mapping

As part of the comprehensive options appraisal, we map workloads to potential AWS DR strategies based on the buyer's stated Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO):

Backup & Restore	Assessment of low-cost data restoration options using Amazon S3 or AWS Backup.
Pilot Light	Evaluation of minimal-footprint environments for core databases requiring rapid scaling.
Warm Standby	Review of scaled-down, functional versions of environments for business-critical services.
Multi-Site Active-Active	Architectural planning for real-time traffic distribution to support near-zero downtime requirements.

Technical Validation & Infrastructure as Code (IaC)

To support repeatable and reliable restoration, Colibri Digital recommends a Cloud-First approach using Infrastructure as Code (IaC), e.g., Terraform or AWS Cloud Development Kit (AWS CDK).

Repeatability	We advise on how DR environments can be provisioned programmatically, supporting the principle that documentation and deployment remain synchronised.
NCSC Alignment, as agreed	Restoration recommendations are reviewed against NCSC Cloud Security Principles, as agreed, with a focus on service availability and data integrity.

Shared Responsibility Model

Colibri Digital provides the strategic roadmap and architectural blueprints for restoration. Under the AWS Shared Responsibility Model, the operational execution of backups and the maintenance of the recovery environment remain the buyer's or their appointed Managed Service Provider (MSP) 's responsibility. Our workshops clearly define these demarcations to inform operational clarity.

8. Onboarding & Offboarding

Onboarding

Scheduled following call-off, subject to buyer availability and mobilisation dependencies.

Offboarding & Exit

Colibri Digital follows a structured exit process designed to ensure the buyer retains full ownership of the assessment outputs and can proceed with migration planning without ongoing supplier dependency.

Engagement Conclusion	A formal closing session to present the final Migration Readiness Report and Executive Summary.
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Access Revocation	Systematic removal of Colibri Digital’s access to any buyer inventory tools or data environments provided for the assessment.
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Asset Transfer	Confirmation that all contracted deliverables, including the Cloud Readiness Scorecard and TCO Report, have been successfully transferred to the buyer.
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Data Portability

All assessment artefacts are handed over in open, non-proprietary formats (e.g., PDF, CSV, or DOCX). This ensures the buyer can easily integrate findings into internal business cases or share them with other service providers for the implementation phase.

Knowledge Handover

Knowledge transfer is integral to our Cloud Support methodology. We ensure that the buyer’s internal teams are equipped to interpret and act upon the assessment findings.

Technical Briefing	A structured walkthrough of the Gap Analysis and Security Assurance Pack to ensure technical leads understand the rationale behind the recommendations.
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Operational Alignment	Briefings for business stakeholders on the TCO model and CAF perspectives to support internal budgetary and business case justifications.
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Skills Roadmap Review	Guidance on the identified skills gaps to help the buyer plan internal training or recruitment to manage the future AWS environment independently.
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