



Red Hat Sovereign Cloud Assessment

Contracting body

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CGI

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Service Definition overview

CGI's Sovereign Cloud Assessment helps public sector organisations understand whether their existing digital platforms, data holdings, and operating models can be migrated to, or re-platformed onto, sovereign or quasi-sovereign environments. The service evaluates constraints associated with sensitive data, regulatory obligations, RBAC models, supply chain exposure, and operational jurisdiction. Where appropriate, CGI identifies opportunities to use Red Hat technologies such as OpenShift, Ansible Automation Platform and Infrastructure-as-Code tooling - including Terraform (under Red Hat's parent organisation, IBM) - to deliver secure, self-hosted, or private-cloud solutions that meet sovereignty requirements. The assessment produces a clear set of architectural options, constraints, risks, and recommended next steps.

Why CGI?

CGI delivers secure cloud and infrastructure transformation across defence, national security, policing, health, and critical national infrastructure - where sovereignty, data residency, assurance, and operational jurisdiction are non-negotiable. Our UK-based, security-cleared consultants apply repeatable methodologies and domain-specific knowledge to sovereign cloud constraints. CGI's global delivery network allows controlled use of UK-only personnel where required, while our strong partnerships (including Red Hat) enable adoption of open, multi-cloud, sovereign-respecting architectures.

1. Service Description

This consultancy service evaluates the feasibility and implications of adopting sovereign or private cloud platforms, including Red Hat-aligned private-cloud stacks built on OpenShift, OpenShift Virtualisation, Ansible Automation Platform, and infrastructure provisioning tools (e.g., Terraform) when appropriate to buyer security posture.

The assessment is structured around People, Process, and Technology, and determines:

- What data classes and workloads can be hosted in sovereign environments.
- What constraints prevent adoption, and how they may be mitigated.
- The architectural and operational implications of sovereign cloud.
- Whether Red Hat technologies can support self-hosted, air-gapped, or controlled environments.
- Required organisational, procedural, and technical changes.

1.1. People

CGI assesses:

Roles, responsibilities, and clearances required to operate sovereign services.

- GDAD-aligned role maturity for secure platform operations (e.g., Infrastructure Engineer, Cyber Security Analyst, Site Reliability Engineer, Technical Architect).
- RBAC alignment and access segregation models.
- Operational separation needs (e.g., UK-only admin rights, dedicated operations teams).
- Required uplift in competencies for managing private/sovereign platforms, including Red Hat OpenShift and automation tooling.

Outputs include a capability gap analysis and options for training, team restructuring, and operational hardening.

1.2. Process

CGI evaluates the buyer's:

- Security processes (e.g., identity lifecycle, privileged access, audit, SIEM integration).
- Data governance and residency processes.
- Change control processes for sovereign platforms.
- Incident response processes requiring UK jurisdiction.
- Supply chain exposure and assurance processes.
- Compliance posture relative to NCSC Cloud Security Principles, DSPT, Cyber Essentials Plus, or relevant regulatory frameworks.

Where beneficial, CGI describes how automation platforms (such as Ansible Automation Platform) can improve repeatability and auditability in a sovereign setting - without implying tooling procurement.

1.3. Technology

CGI reviews the buyer's current estate to determine suitability for sovereign operation, including:

- Data classification, sensitivity, and residency requirements.
- Dependencies that rely on non-sovereign services (e.g., SaaS, cross-border APIs, vendor-administered components).
- Network architecture, trust boundaries, and segregation requirements.
- Compatibility of existing workloads with Red Hat OpenShift, OpenShift Virtualisation, or self-hosted automation stacks.
- Requirements for air-gapped, edge, or private-cloud infrastructure.
- Integration posture and implications for systems requiring UK-only support.

- Technical debt and modernisation needs arising from a sovereign migration.

Outputs include a sovereign cloud feasibility matrix and several target-state architectural patterns (e.g., on-prem private cloud, sovereign hyperscaler regions, Red Hat-based private cloud).

1.4. Deliverables

Typical deliverables include:

- Sovereign Cloud Feasibility Report.
- Data categorisation and residency impact assessment.
- RBAC and identity/jurisdictional constraints assessment.
- Sovereign architectural patterns (conceptual and high-level).
- Gap analysis for people, process, technology.
- Options analysis for Red Hat-aligned sovereign/private cloud platforms.
- Recommendations and prioritised roadmap.
- Executive summary and leadership playback.

2. Data backup and restore

Not applicable – consultancy service. We do not host, operate, or store buyer systems. We may assess backup practices and sovereign/air-gapped requirements as part of the advisory activity.

3. Service Continuity

Consultancy delivery only. CGI provides resource substitution and schedule management to maintain continuity. Responsibility for platform continuity, DR, or failover remains with the buyer.

4. Onboarding and Offboarding

4.1. Onboarding

- Kick-off and scope confirmation
- Agreement on sovereign classification considerations
- Documentation request and stakeholder alignment
- Scheduling of workshops (data, RBAC, operational, architectural)

4.2. Offboarding

- Delivery of all assessment artefacts.
- Playback with stakeholders.
- Handover of analysis data and recommendations.
- Revocation of access and secure deletion of held materials.

4.2.1. Access to data upon exit

All assessment outputs and collected data are returned to the buyer. CGI retains no data post-exit.

5. Service constraints

- Advisory service only; no hosting or managed services provided.
- Requires buyer SME involvement for data classification and RBAC mapping.
- May require read-only access to architecture diagrams, policies, and operational documentation.
- External dependencies (e.g., supplier-administered components) may restrict full assessment.

- Change control applies for scope changes.
- No implication of sourcing sovereign infrastructure or Red Hat tooling via CGI.

6. Service levels

- Response to queries within two working days.
- Draft report delivered within agreed timelines (typically 2–6 weeks depending on scope).
- Final artefacts issued within five working days of feedback receipt.

7. After sales support

CGI offers a 30-day clarification and follow-up window, including a Q&A session and one optional playback. Further work (e.g., detailed design or migration planning) may be contracted under separate G-Cloud services.

8. Technical requirements

The buyer must provide:

- Data classification scheme(s).
- Existing architecture and network diagrams.
- Access to RBAC, identity, and access governance documentation.
- Information on suppliers, support models, and cross-border data flows.
- Named SMEs for workshops.
- Relevant regulatory or compliance requirements.

9. Outage and maintenance management

Not applicable – consultancy service. All discovery activity is scheduled to avoid operational impact.

10. Hosting options and locations

Not applicable – no hosting is provided. CGI activities are conducted within the buyer's environment or via approved secure collaboration channels. Work is UK-based by default.

11. Security

CGI applies secure handling and processing of sensitive information aligned to UK Government security classifications. Access is least-privilege and time-limited. All working data is deleted at project close. Personnel hold appropriate clearances where engagements require them.

12. Service Pricing and Terms and Conditions

12.1. Pricing

Please refer to the G-Cloud 15 portal for the rates available.

12.2. Terms and Conditions

Please refer to the associated Terms and Conditions Document relevant for this Service including termination by the Buyer or Supplier.

13. Further information

For more information about this or any of our G-Cloud services, please contact us:

Phone: +44 0845 070 7765. Ask to speak to the G-Cloud team.

Email: uk.gen.ccsframeworks@cgi.com, including the following information:

1. The name of this service.
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

We will prepare a quotation for you. Once the quotation is agreed upon, we will issue you the necessary documentation (as required by the G-Cloud Framework) and ask you to provide us with a purchase order.

Once we have received your purchase order, the services will be configured to the requirements agreed with invoices issued to you for the services procured.

On a monthly basis, we will also complete the mandated management information reports to Government Procurement.

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The information in this proposal is submitted on 30 Jan 2026 - Issue 1.0 on behalf of CGI by the following authorised representative:

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