

G-Cloud 15

Cloud Design & Implement



AtoS

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1. What is Cloud Design & Implement?

Atos understands the challenges of managing a cloud environment and keeping it secure, particularly in today's rapidly evolving business landscape, where Cloud & AI adoption are critical, without compromising compliance requirements to balance innovation and control.

For organisations worried about **geopolitical risk, data sovereignty, and data residency**, we offer **clear, UK-focused design choices**, including **UK-only processing, customer-held keys**, and controlled or hybrid deployment options.

Cloud Design & Implement helps UK public bodies design and build secure, cost-effective cloud platforms that are AI-ready and sovereign-by-design.

We work with AWS, Microsoft Azure, and Google Cloud. We create secure, compliant cloud foundational landing zones, controls, and deployment operating patterns that meet UK compliance & regulations and your risk appetite.

We focus on four outcomes:

1. **Unlock Stranded Value** – make existing cloud spend work harder.
2. **Unified Control** – clear guardrails, one view, less risk.
3. **AI-Ready Foundations** – secure data access, modern pipelines.
4. **Intelligent Operations** – automation, self-service, faster change.

2. What does it deliver?

We deliver services that help organisations design, deploy, and advance their hybrid and cloud environments, enabling them to meet strategic business goals with the right balance of innovation and control. This includes services to benchmark maturity, design and deploy platforms, and uplift operational maturity through **project-based service engagements**.

Cloud Design & Implement is structured into three phases.

Each phase can be purchased on its own or combined as a single engagement

1. Benchmark – Discovery & Maturity Assessment

- **Cloud Maturity Scan** of your current cloud setup, delivered by Cloud experts supported by AI-powered Digital Transformation Engineers
- Gap analysis against **hyperscaler best practices** and UK public-sector guidance.
- Risks, quick wins, and a **prioritised improvement plan** with value impact/effort.
- **Outputs:** Executive summary, maturity score, and recommendations

2. Design & Deploy – Target State & Implementation

- **Target architecture and landing zone design** for AWS/Azure/GCP
- **Policy-as-code** governance (identity, networking, logging, encryption, backup, DR, tagging, cost controls)
- **Data residency controls** and turn-key **UK-sovereignty configurations**
- **Implementation via IaC** (e.g., Terraform) with CI/CD and change control.
Outputs: High-level and low-level designs, guardrails, IaC repositories, runbooks, and knowledge transfer.

3. Advance – Platform Engineering, SRE, and Sovereign Operations Enablement

- **Platform engineering** enablement: golden paths, self-service portals, GitOps.
- **SRE practices** for reliability, observability, and resilience testing.
- **Sovereign configurations** for sensitive data: UK region use, restricted admin paths, break-glass access, data egress controls.
- **Hybrid/controlled options** (e.g., Azure Local, AWS Outposts, Anthos) where data must remain on UK soil.
Outputs: Operating model playbooks, refined guardrails, dashboards, service enablement kits.

Explicitly out of scope: ongoing managed services, 24x7 operations, application development/refactoring, hardware procurement, and licence resale (available separately via other offerings). These are available through complementary Atos offerings.



3. What technology does it use?

We use proven patterns and open tooling to deliver **secure, compliant, and sovereign-ready** cloud foundations for UK public-sector organisations. Our approach reduces risk, strengthens assurance, and accelerates delivery while meeting the UK's strict security and data-protection requirements.

Secure Landing Zones (AWS, Azure, GCP)

Built on native hyperscaler frameworks—Azure Enterprise-Scale Landing Zones, AWS Control Tower, and Google Cloud Foundation Fabric—to give you consistent guardrails, automated policy enforcement, and secure-by-default environments aligned to hyperscaler best practices.

Identity, Access & Network Controls

We implement strong access governance using Entra ID/Azure AD, AWS IAM, and GCP IAM with least-privilege roles, break-glass processes, and JIT access.

Networking uses hub-and-spoke or mesh patterns with private endpoints, controlled egress, and service isolation to prevent data leakage and unauthorised access.

Security & Compliance Controls (UK Public Sector-Aligned)

Security is embedded from the start, aligned to the UK's core regulatory and assurance frameworks:

- **DPA + UK GDPR** – UK-only data handling, encryption, auditable controls, clear data-processing boundaries
- **NCSC Cloud Security Principles** – strong identity, secure configuration, logging/monitoring, and incident readiness
- **ISO/IEC 27001** – alignment with recognised international security control families
- **Cyber Essentials Plus-ready patterns** – patching, access control, secure configuration, boundary controls
- **NHS expectations** – residency, confidentiality, audit, and traceability for health data.

These controls give public bodies confidence for secure, compliant Cloud & AI adoption.

Automation & Efficiency Through Code

Infrastructure as Code (e.g., Terraform), CI/CD pipelines, and policy-as-code reduce manual error, simplify compliance, and ensure environments remain consistent and traceable.

Built-in cost controls, including tagging standards, budgets, alerts, and help organisations manage spend in line with public-sector oversight requirements.

UK Sovereignty & Data-Residency Patterns

For departments with regulatory compliance or heightened data-sovereignty or geopolitical-risk concerns, we offer sovereign-by-design configurations:

- UK-region placement for all core services
- UK-only data storage, backups, and replicas
- Customer-managed encryption keys held within UK jurisdictions
- Restricted admin pathways and UK-only access options
- Separated supplier access and full auditability

Where workloads require tighter control, we support **Azure Local**, **AWS Outposts**, and **Google Anthos** and **Red Hat OpenShift** to maintain compute and data on UK soil.



4. What terms apply?

To the fullest extent permitted under G-Cloud 15 Framework Agreement and the Call-Off Contract, Atos will provide the Services in accordance with the Atos Supplier Terms (which will include, but may not be limited to, the Supplier Acceptable Use Policy, Supplier Data Processing Agreement, Supplier Specific Shared Responsibility Model, Supplier SLAs and Supplier Licence Terms and any applicable Third-Party Terms outlined in this Service Description document and the Order Form) and this Service Description document.

For clarity:

- Atos Supplier Terms may be modified in accordance with the provisions of the Call-Off Contract, and remain effective except where expressly overridden.
- Hyperlinks included in the Atos Supplier Terms and Service Description document remain effective where they point to Atos' or the relevant Third-Party Terms or documents. Should a hyperlink cease to function, Atos will work with the client to update it through the agreed procedure.



5. Termination

Termination shall be in accordance with:

- The G-Cloud 15 Framework terms and conditions
- Any terms agreed within the Order Form of the relevant Call-Off Contract
- For this specific service, by default Atos ask for at least thirty (30) days prior written notice of termination without cause.

Atos commits to the continued provision of services for the duration of the Call-Off Contract subject to the terms and conditions of the G-Cloud 15 Framework Agreement, the Call-Off Contract, the Atos Supplier Terms and the applicable Third Party Agreements (as defined in the Atos Supplier Terms and indicated in the Order Form) related thereto.



6. How do I order?

Please contact our team at: gcloud@atos.net

- We will prepare a quotation for your review, including any applicable volume discounts.
- Once the quotation is agreed, we will issue the necessary documentation (as required by the G-Cloud Framework) and request a purchase order from you.
- Upon receipt of your purchase order, we will configure the services in line with the agreed requirements. Where applicable, you will also receive access to our self-service portal to begin provisioning services.
- If you are a new customer, you may need to complete additional 'new supplier' forms.
- Invoices will be issued to you and to Crown Commercial Service (CCS), quoting the purchase order number, for the services procured.
- We will also submit the required monthly management information reports to Government Procurement.



7. Glossary

Term	Definition
AWS	Amazon Web Services
JIT	Just In Time
SaaS	Software as a Service
SLA	Service Level Agreement



8. Why Atos

Atos has been a trusted partner on every G-Cloud iteration since the framework began, helping public sector organisations modernise with confidence. We combine global expertise with deep UK experience, delivering secure, scalable cloud solutions that meet the highest government standards.

As Europe's leading provider of cloud and cybersecurity services, Atos offers end-to-end capabilities - from migration and hosting to SaaS and consultancy - supported by UK delivery centres and strategic partnerships with hyperscalers.

Our focus on innovation, sustainability, and social value ensures that customers not only achieve operational excellence but also contribute to a greener, fairer future. With Atos, you gain a proven partner committed to driving efficiency, resilience, and transformation across public service.



About Atos

Atos Group is a global leader in digital transformation with c. 67,000 employees and annual revenue of c. €10 billion, operating in 61 countries under two brands – Atos for services and Eviden for products. European number one in cybersecurity, cloud and high-performance computing, Atos Group is committed to a secure and decarbonized future and provides tailored AI-powered, end-to-end solutions for all industries. Atos Group is the brand under which Atos SE (Societas Europaea) operates. Atos SE is listed on Euronext Paris.

The purpose of Atos Group is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Learn more at: atos.net