

G-Cloud 15

AMOS – Atos Managed OpenShift



Atos

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1. What is AMOS – Atos Managed OpenShift?

The name of the offering is AMOS – Atos Managed OpenShift. Atos Managed OpenShift (AMOS) is a managed service that provides organisations with a ready-to-use, enterprise-grade platform for running modern applications in the cloud or on-premises. AMOS is built on Red Hat OpenShift technology and is delivered as a fully managed solution by Atos. This means customers do not need to worry about the technical complexities of setting up, maintaining, or securing the platform—Atos takes care of everything, allowing customers to focus on developing and running their business applications.

AMOS is designed to help organisations

- Accelerate their digital transformation and cloud adoption
- Modernise existing applications or build new, cloud-native solutions
- Ensure security, compliance, and high availability for critical workloads
- Support innovation, including artificial intelligence (AI) and machine learning (ML) initiatives.



2. What does it deliver?

AMOS delivers a secure, reliable, and fully managed platform for running modern business applications and AI workloads—without the complexity of managing infrastructure.

AMOS provides:

- **Rapid access to a ready-to-use application platform:** Clients can quickly launch, scale, and manage applications in the cloud or on-premises, with minimal setup time.
- **End-to-end management and support:** Atos handles all aspects of platform operations—including setup, maintenance, upgrades, monitoring, and security—so clients can focus on their core business.
- **Consistent performance and high availability:** AMOS ensures applications run smoothly, with built-in resilience, backup, and disaster recovery features.
- **Accelerated innovation:** Integrated DevOps tools and AI capabilities empower teams to develop, test, and deploy new solutions faster.
- **Flexible deployment options:** AMOS supports public, private, hybrid, and sovereign cloud environments, giving clients control over where their data and applications reside.
- **Compliance and data sovereignty:** The platform is designed to meet industry and regional compliance needs, supporting clients in regulated sectors.
- **Referenceable Experience.**

Clients using AMOS have:

- Reduced time-to-market for new products and services
- Lowered operational overhead and IT costs
- Improved security and compliance posture
- Enabled business agility and digital transformation.

3. What technology does it use?

AMOS is a fully managed service built on Red Hat OpenShift Container Platform (OCP 4.x), delivered and operated by Atos. It runs on customer-selected infrastructure (public cloud, private/on-prem, or sovereign) with automated Day 0/1/2 operations.

Key building blocks (high level):

- **OpenShift Kubernetes control plane** for orchestration, scaling, and self-service projects (namespaces).
- **Integrated DevOps tooling** (GitOps/CI CD) to accelerate build → deploy → operate.
- **Observability:** Prometheus/Grafana for platform metrics; Loki for logging; alerting via Alertmanager—surfaced in monthly service reporting.
- **Storage:** Supports customer choice (e.g., NetApp, Dell/NAS, Red Hat ODF/Ceph).
- **Backup/Restore:** Policy-driven cluster backups (etcd, registry, system components) using the OADP operator and scripted procedures.
- **OpenShift Virtualisation (KubeVirt)** (optional) to run VM workloads alongside containers with a single control plane.
- **AMOS AI** (optional add-on) adds a managed AI/ML platform layer (GPU-ready) on top of AMOS, for model development, deployment, monitoring, and Day 2 automation.

Security by design (platform):

OpenShift provides **multi-layer security**—container isolation, RBAC, Security Context Constraints, secure registries, and encrypted control plane traffic. AMOS operationalises these controls through certificate monitoring/renewals, policy enforcement, and proactive patching aligned with Red Hat releases (quarterly minor releases; ad hoc security/CVE patches).

Compliance & governance:

- **ISO 27001 alignment:** AMOS' service operations (incident, change, problem, access management, backup/DR, service reporting) follow ITIL and standardised processes consistent with ISO 27001 control objectives—covering risk treatment, change controls (CAB), availability, capacity, and continuous improvement. This provides an auditable trail and governance model that supports client compliance frameworks

- **Sovereign & regulated needs:** AMOS can be deployed in **sovereign cloud** or on-prem to meet data residency and regulatory requirements (e.g., FSI/public sector), with baseline DR (multi AZ where applicable) and **nightly backups** for recoverability.

Cyber resilience:

- **Monitoring & alerting:** Continuous health checks of API/ETCD/operators/nodes; platform metrics and alerts handled by Atos with defined P1-P4 response SLOs.
- **Hardening options:** Extended features—image signing, inbound/outbound traffic controls (Managed Secure Interface with allow lists), SSO with directory sync—can be enabled per customer policy.

Outcome for clients: A managed platform with built-in controls, auditable operations, and optional hardening features—supporting ISO 27001 programs and cyber resilience without adding operational complexity.

Stack Overview:

Core platform: Red Hat OpenShift (OCP 4.x), Operators (CVO, cluster operators)

Automation & GitOps: CI/CD pipelines; config as code for repeatable rollouts and upgrades

Observability: Prometheus/Grafana, Loki, Alertmanager (platform dashboards and monthly reports)

Storage: Red Hat ODF/Ceph, NetApp, Dell/NAS, etc. (per design)

Backup & DR: OADP operator + scripted etcd backups, nightly snapshots, multi AZ designs where applicable

Security add-ons (optional): Image signing, SSO/KC, MSI (allow list egress/ingress), compliance operators

Virtualisation (optional): OpenShift Virtualisation / KubeVirt for VM workloads

AI layer (optional): AMOS AI services for notebooks, serving, pipelines, GPU enablement, and governance



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
AI	Artificial intelligence
AMOS	Atos Managed OpenShift
DR	Disaster Recovery
ITIL	Information Technology Infrastructure Library
ML	Machine Learning
OADP	Operations Automated Data Processing
SaaS	Software as a Service
SLA	Service Level Agreement
VM	Virtual Machine



Crown
Commercial
Service
Supplier

Atos

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