ORACLE

Oracle Cloud Isolated Region

Air-Gapped Cloud Solution for Defence & Intelligence Missions

Customer or Partner Operated

Datasheet

Your challenge

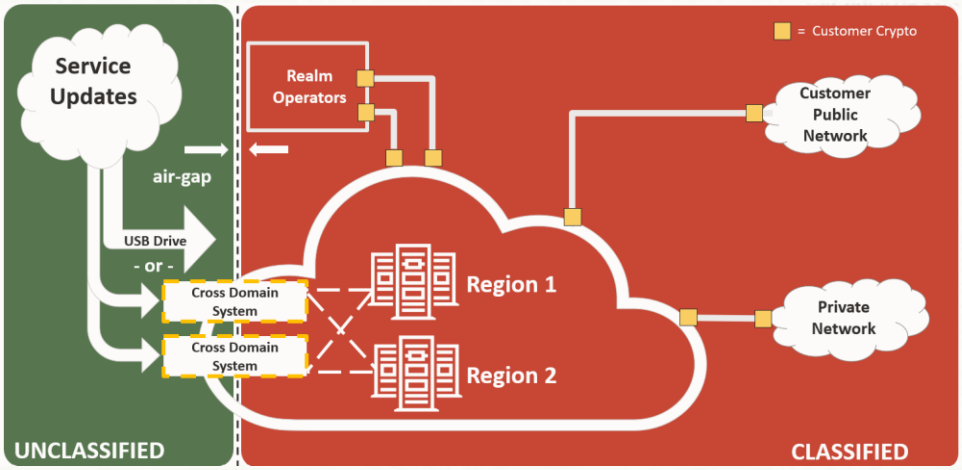
Defence and intelligence organisations need to modernise classified missions while maintaining sovereign control.

Legacy on-premises systems and limited private clouds cannot keep pace with growing sensor data, AI-driven intelligence, and evolving security threats. They also face practical barriers to cloud adoption, including budget constraints, operational sovereignty, and the need to keep sensitive data within national borders.

Oracle Cloud Isolated Region helps put control where it belongs with you through air-gapped hyperscale cloud infrastructure operated by your personnel or a trusted partner, without compromising security or data sovereignty.

Our solution

Oracle Cloud Isolated Region is a secure, air-gapped hyperscale Oracle Cloud Infrastructure solution designed for mission-critical classified workloads in defence and intelligence environments. With no internet connection, it delivers access to 200+ OCI IaaS, PaaS, and SaaS services—including AI services, bare metal GPUs, and GenAI capabilities that can include frontier GenAI models—exclusively on your classified networks. Oracle brings AI to your data, enabling teams to train sovereign AI models, run inference, and deploy AI agents on classified data without leaving the air-gapped environment.



Oracle delivers cloud platform update packages through a cross-domain solution or out-of-band for deployment by your operations staff. Oracle Cloud Isolated Regions support mission continuity through a two-region architecture for high availability and disaster recovery, with additional regions available for greater resilience and protection against physical threats. Services pricing remains identical to OCI public regions, with no upcharge for classified workloads.

Oracle Cloud Isolated Region Highlights

Everything Everywhere
Offers the same services as public cloud and all the latest innovation—just in a disconnected cloud

Customer or Partner Operated
Customer or partner staff operate the Isolated Region, trained to the same standards as Oracle staff

Security-first by design
Oracle cloud is engineered with security at the core, enables zero trust architecture

Comprehensive solution for continuity of operations
Start with two regions for high availability and disaster recovery. Add additional regions to mitigate physical threats to your classified infrastructure

Fastest time to delivery
Building Oracle Cloud Isolated Regions in as little as 12 months—from data centre whitespace to ready for production workloads

Best value proposition
The same transparent and globally consistent pricing as public cloud with no upcharge for classified workloads

Small footprint
As small as ~12m^2 means minimum financial commitments that are manageable for any country's budget—and the footprint can grow with your forecasted demand plan

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Critical Use Cases

Sovereign Compute as a Strategic Asset: Compute infrastructure is emerging as a national strategic asset. Nations that depend on external public cloud providers accessed through contested networks accept a strategic vulnerability: when connectivity is severed, degraded, or compromised, cloud-dependent warfighting systems fail. Oracle Cloud Isolated Region provides air-gapped sovereign infrastructure within your borders—hyperscale cloud operated by your personnel with no dependency on external connectivity.

Modernise Defence Operations: Defence organisations spend most of their budgets on sustainment—logistics, maintenance, and financial operations—often running on legacy systems that are costly to maintain and difficult to secure. With Oracle Cloud Isolated Regions, digitise supply chain management, automate predictive maintenance, modernise HR and financial systems, and consolidate fragmented back-office operations onto a single cloud platform.

Advance Warfighting Capability: Modern warfare demands AI-powered intelligence and the ability to process massive volumes of mission data at classification. Oracle Cloud Isolated Regions provide the hyperscale infrastructure to train sovereign AI models using GPU clusters, build data lakes that aggregate intelligence, and enable multi-domain command and control applications.

Operations Model

- Operated by customer or partner staff, trained by Oracle; on-call support is available for escalations
- ~50 customer or partner staff needed initially, expected to reduce over time with automation
- Infrequent patching using touchless deployment with Oracle-provided packages
- Oracle PMO works with you on service availability, capacity planning, and SLAs
- Very limited data egress from your classified environment—using only customer-approved processes

Start Small, Grow to Hyperscale

Oracle allows you to deploy the capability your mission needs today, and scale when you are ready without retooling.

- **Oracle Cloud Isolated Region:** Operational in about 12 months; air-gapped hyperscale core with 200+ IaaS, SaaS, and PaaS services
- **Oracle Public or Sovereign Regions:** Available now. Research, develop, test, and deploy on Oracle cloud—same UX, tools, and services—and accelerate your time to value on Oracle Cloud Isolated Region

Comprehensive AI Services

From processing ISR data to enabling machine-speed decision-making, AI is transforming modern warfare. AI is embedded across every layer of your Isolated Region.

Infrastructure: Bare metal GPU clusters with RDMA networking and superclusters for large-scale model training.

GenAI & AI Services: GenAI models from leading providers, Vision, Speech, Language, Document Understanding, and AI agents—fully managed in your Isolated Region.

Data: Oracle 23AI with AI Vector Search and natural language database queries; Oracle Autonomous Database and Heatwave.

Applications: AI-powered automation embedded in Fusion Applications for logistics, maintenance, and workforce management.

Train AI models, run inference, and deploy AI agents on classified data—without leaving your air-gapped environment.

Security by Design

Protecting classified data demands security that is engineered into the platform, not bolted on after the fact, enabling zero-trust architecture.

Customer isolation: Custom-designed SmartNIC prevents network traversal attacks at the infrastructure level.

Zero-trust security: Data encrypted by default, at-rest and in-transit. Identity access is role-based with deny-by-default policies.

Data sovereignty: Complete control of log, audit, cross domain solution activity (*if utilised*), and security analytics. No automated data egress.

Secure supply chain: Oracle designs and tests its own hardware with verifiable chain of custody from the factory to your data centre.

Hardware Root of Trust: Firmware wiped and reinstalled every time a server is provisioned or tenancy is created.

Oracle Cloud Isolated Region

Customer-Managed Disconnected Cloud for Highly Sensitive Workloads

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