ORACLE

Oracle Isolated Cloud Portfolio: Deploy Where Needed, Scale When Ready

Your Mission. Your Timeline. Your Choice.

The challenge

Adversaries iterate in days while your procurement cycles measure in years. They deploy AI-powered drones that adapt mid-flight while you struggle to have enough computing resources to process data and images. They coordinate swarm attacks using algorithms refined hourly while your intelligence systems have data silos.

The reality of modern warfare:

1. **Speed:** By the time your targeting data reaches a decision-maker, the opportunity may be gone. Your exploitation chains are measured in minutes while threats evolve in seconds. Every hour spent in committee is another algorithm your adversary has refined, another capability they have deployed.
2. **Sovereignty:** Commercial clouds promise innovation but put your most sensitive data at risk. Legacy systems keep data secure but cannot scale to process petabytes of sensor feeds or run the AI models that turn noise into actionable intelligence.
3. **Budget:** You need enterprise-scale capabilities but cannot wait for annual funding cycles. Your tactical units need edge AI today, not after the next appropriation cycle.

Meanwhile, from contested waters in the Pacific to drone-saturated skies over Ukraine, the battlefield punishes hesitation. Your forces operate where GPS is jammed, networks are severed, and the only computing power that matters is what is in the hands of frontline troops – while facing adversaries who update their attack vectors faster than you can navigate approval chains.

This is not sustainable. But you can change it – on your terms, at your pace.

What if you could deploy exactly the cloud capability your mission needs today—from a single edge device to a hyperscale, air-gapped region—without oversized commitments or integration nightmares? What if every dollar spent on today's tactical needs directly built toward tomorrow's strategic advantage?

With Oracle's Isolated Cloud Portfolio, you are in command. Start with what fits today's budget and mission. Scale when you're ready.

Defense Challenges...
We Speak Your Language

Defense Tech at the Speed of War
Commercial AI updates deploy in hours while many defense programs deliver code to operators in months. Ukraine scaled from near-zero to producing about 4 to 4.5 million drones annually while innovating across electronic warfare, AI-enabled targeting, and command systems—compressing exploitation chains from minutes to seconds as your acquisition cycles still measure in years.

Contested Edge Operations
The U.S. Army fields about 250,000 GPS-dependent systems—600 per brigade—all vulnerable when signals are jammed. In Ukraine, modern forces lose 10,000 drones monthly to jamming, with electronic warfare now pervasive from trenches to tactical vehicles. Your edge systems must maintain autonomy for days in denied conditions and every emission invites precision strikes.

Sensor Data Deluge
Ukraine collects about 5-6 terabytes of drone footage daily, accumulating 2 million hours to train battlefield AI. Combined with MQ-9 Reapers generating terabytes per minute and Navy warships logging about 150 TB daily, you are drowning in data that must be processed at the edge before targets disappear, and opportunities are lost.

Multi-Domain Exploitation Chains
US Army experiments have compressed targeting from minutes to seconds using AI, but true targeting convergence remains elusive. You need any sensor to instantly cue the best asset across all domains—achieving machine-speed fusion where decisions happen in milliseconds, not the tens of minutes current systems require.

Coalition Data Sovereignty
Allied forces generate terabytes of intelligence daily across NATO, Five Eyes, and Indo-Pacific partnerships, but incompatible classification systems and data residency laws create operational silos. You need to share targeting data with Polish F-35s, coordinated maritime surveillance with Japanese destroyers, and synchronize special operations with Australian SAS – all while ensuring each nation's classified data never leaves their borders and maintaining milliseconds-fast decision cycles that modern warfare demands.

Our solution

Oracle's **Isolated Cloud Portfolio** delivers the only comprehensive solution that puts you in command – from battlefield to headquarters – with flexible deployment options that match your mission workloads and budget. **Start Anywhere, Scale Anytime**

Why "Isolated" Matters: In defense operations, "disconnected" isn't enough. Disconnected systems can reconnect when networks return, but truly isolated infrastructure operates permanently behind air gaps, never touching public networks. Oracle's isolated solutions maintain complete operational autonomy, ensuring your classified workloads run securely whether connected to an Oracle Cloud Isolated Region or operating in DDIL environments. This is not just about tactical resilience, it is about maintaining sovereign control over your most sensitive operations.

Fast-Start Options – Choose your entry point based on mission:

- **Oracle Public Cloud or Sovereign Cloud Tenancy:** Operational in hours. Begin here for development, testing, and unclassified workloads. Use a tenancy to rapidly prototype ISR algorithms or validate targeting applications before deploying to classified environments. Minimal investment, maximum flexibility.
- **Roving Edge Infrastructure (Ultra/RED):** Operational in about 2-4 weeks. Extend reach with tactical AI and processing power. Operates disconnected in denied environments or connected to Oracle Cloud when networks permit. Pay only for the edge capacity you need.
- **C3 Isolated:** Operational in about 6-8 weeks. Deploy with flexibility – run air-gapped with local administration or connected to Oracle Cloud regions for hybrid operations. Right-sized compute and storage for your budget.
- **Oracle Cloud Isolated Region:** Operational in about 12 months. Unlock enterprise capabilities with air-gapped, hyperscale infrastructure with Oracle Cloud hosted within your data centres. Transform defense operations with proven commercial innovation at all security classification levels.

Your Phased Strategy – Grow at your own pace, on your terms:

- Start with any Fast-Start option above—or combine multiple options like like deploying Roving Edge Devices alongside C3 in isolated mode or use C3I while building your Oracle Cloud Isolated Region—and scale to meet mission needs and within budget parameters.
- Leverage the same management console, APIs, and applications across each deployment model—deploy once, run anywhere.
- Every dollar invested today directly enables tomorrow's capabilities. No stranded investment.

The Bottom Line: Oracle's Isolated Cloud Portfolio eliminates the choice between tactical capabilities and strategic infrastructure. Start small with mission-critical workloads, prove value within existing budgets, then scale seamlessly as funding and requirements grow. You maintain control over classified data while accessing the Oracle Cloud capabilities your current missions demand.

Oracle's Isolated Cloud Portfolio Highlights

Deploy where needed
From edge devices to hyperscale regions – choose your starting point. Whether supporting a forward operating base with Roving Edge or standing up a nation's sovereign cloud infrastructure with Oracle Cloud Isolated Region, you deploy exactly what the mission requires today. Start right-sized to your mission and budget, without oversized commitments.

Scale When Ready
Seamless evolution from tactical to strategic without re-architecture. Start with a single edge device for your pilot program, expand to C3 Isolated for brigade operations, then grow to an Oracle Cloud Isolated Region when funding aligns—all while your applications and data transition effortlessly between deployment models.

Fast Start Available
Same-day tenancy and operational (air-gapped) edge cloud in about 6-8 weeks with right-sized deployments from edge devices to C3 Isolated to a hyperscale Oracle Cloud Isolated Region. While others talk about future capabilities, you can deploy classified workloads next month. Speed to value without compromise.

Unified Experience
Same APIs and tooling from core to edge. Your developers code once and deploy anywhere—from disconnected tactical operations to classified data centers—eliminating retraining costs and accelerating mission deployment by months.

Flexible Operations
Choose your Operations Model: Oracle-managed, partner-operated, or self-operated models. Whether you need Oracle support due to personnel constraints, want to leverage cleared partner expertise, or prefer complete autonomous control, you decide who manages your cloud based on your security requirements and operational readiness.

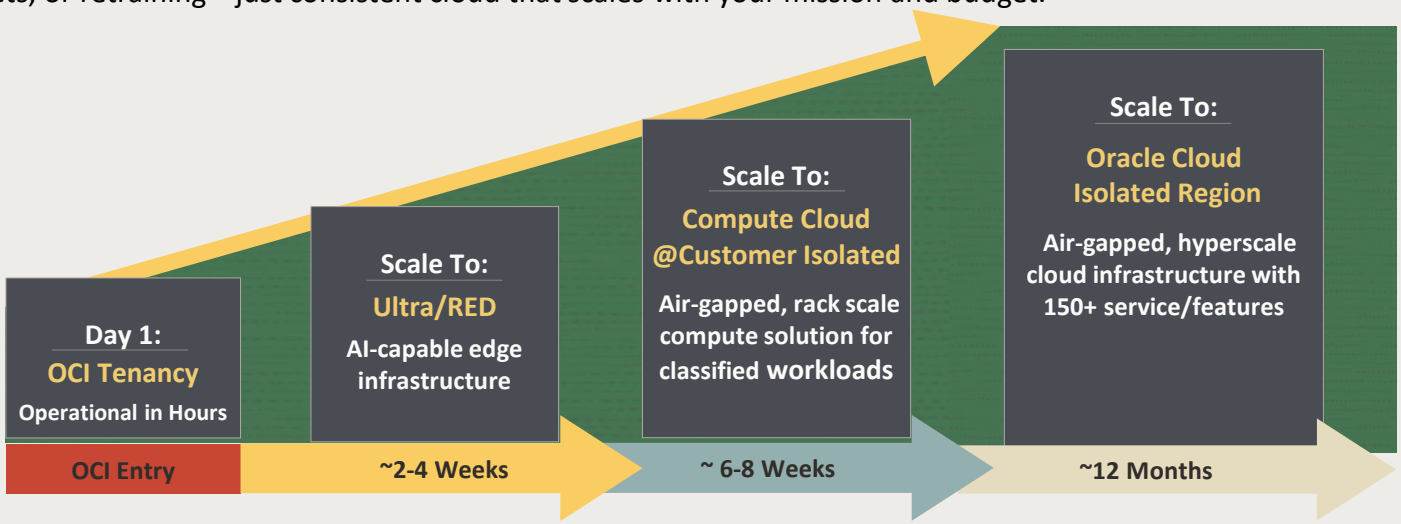
Investment Protection
Preserve edge and C3 Isolated investments when scaling up. Every Roving Edge device or C3 Isolated rack purchased today protects your investment as you scale. When you transition to Oracle Cloud Isolated Region, existing C3 racks can operate as cloud computing outposts, serve specialized workloads, or connect as satellite locations.

Your Deployment Models – Mix, Match, and Migrate as Needed

PUBLIC CLOUD ⟷ **AIR-GAPPED ISOLATED CLOUD**

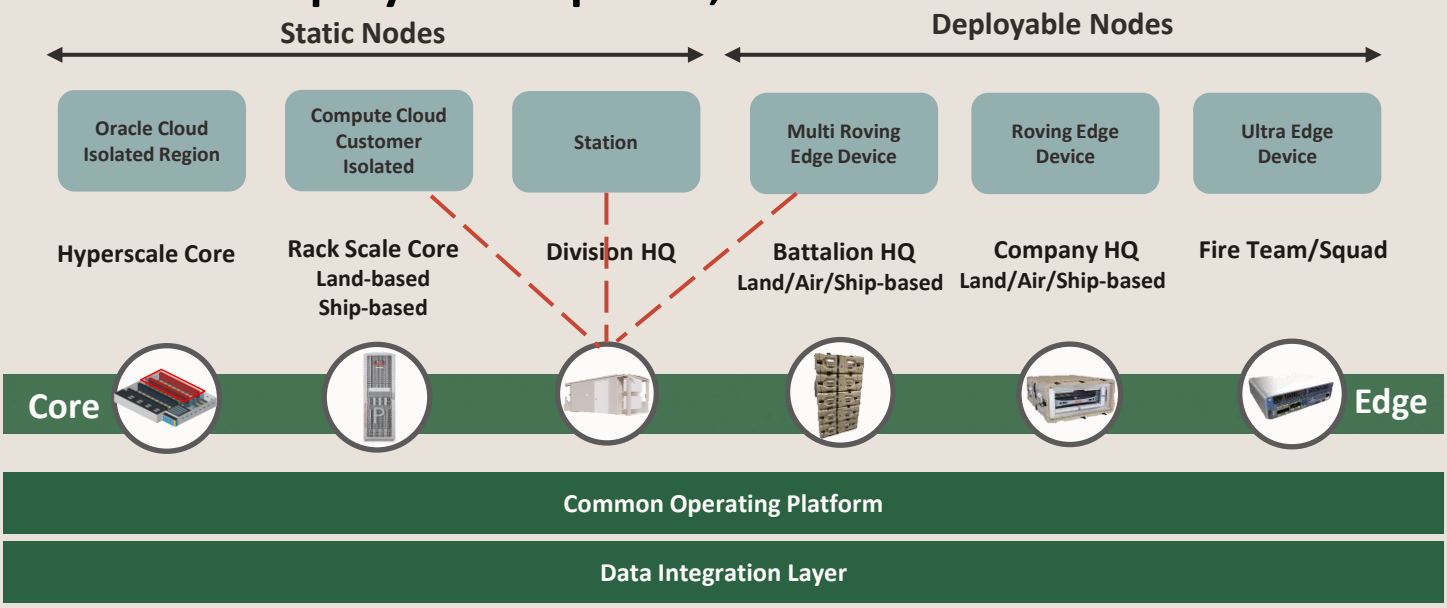
	Sovereign Options		Isolated Options		
	Sovereign Regions (UK, EU)	**Dedicated Region and Alloy**	**Roving Edge Infrastructure**	**Compute Cloud@ Customer Isolated**	**Oracle Cloud Isolated Region**
Connection	Internet- Connected	Internet-Connected	Disconnected/Isolated	Disconnected/Isolated	Disconnected/Isolated
Tenancy	Multi-Tenant	Single, or Customer Controlled Multi-Tenant	Single, or Customer Controlled Multi-Tenant	Single, or Customer Controlled Hosting Provider Model	Single, or Customer Controlled Multi-Tenant
Cloud Isolation	Commercial or Government	Commercial or Government	Government, Defense, Intelligence	Government, Defense, Intelligence	Government, Defense, Intelligence
Operations	Operations Teams that meet certain Gov Requirements	Shared Operations Team	Customer Operated	Three Models: Oracle Customer Success Services, Partner Operated; Customer Operated	Dedicated Operations Team that Meets Specific Government Requirements
Software Delivery	Highly Secure Software Delivery, that Meets Government Requirements	Highly Secure Software Delivery	Highly Secure Software delivery that Meets Government Requirements	Highly Secure Software Delivery, that Meets Government Requirements	Customer Pre-Approved Highly Secure Software Delivery Process

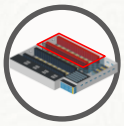
Oracle delivers the defense industry's only unified isolated cloud—from tactical edge to hyperscale—sized to your mission and budget. Unlike competitors' fragmented solutions requiring different tools for each deployment model, our architecture uses identical APIs, management, and security whether you are deploying Roving Edge Devices, C3 Isolated, or an Oracle Cloud Isolated Region. Start with what you need today: every component integrates as you scale, protecting both your investment and sovereignty. No oversized deployments, stranded assets, or retraining—just consistent cloud that scales with your mission and budget.



Deploy Where Needed – Scale When Ready

Four Deployment Options, One Unified Architecture





Oracle Cloud Isolated Region - Air-gapped, hyperscale cloud infrastructure

- Offers the same 150+ IaaS/PaaS/SaaS services/features available in Oracle public clouds in your air-gapped environment or in a colo-provided data center
- Process petabytes, train AI with the latest GPUs
- Transform defense operations at national scale, expand to over 400 racks per region

C3 Isolated - Air-gapped edge cloud in 3 racks (C3 + up to 2 storage/GPU expansions)

- Low latency OCI GenAI, Compute, GPU, HPC, Storage, Networking, OKE at the core or near edge
- Operational in 6-8 weeks with flexible OpEx; Compute, Storage, and GPU where you need it
- Expand from pilot to production, from one unit to site capacity based on power, cooling, and floor space

Roving Edge Device (RED) - Ruggedized edge infrastructure in transit cases

- Process TB of ISR data without connectivity; runs network disconnected or connected; GPU capable
- Operational in ~2-4 weeks and designed for austere locations
- Appliance hardware that scales from 1 to 100+ devices per mission

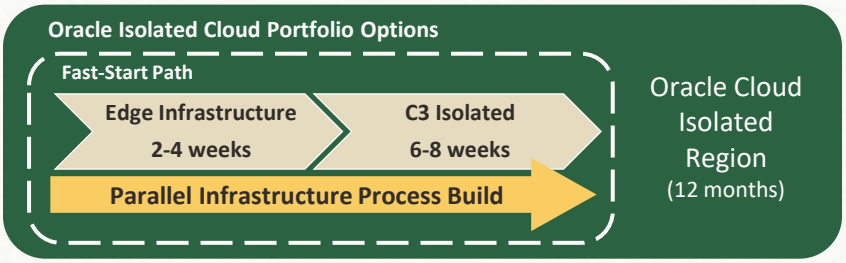
Ultra - Backpack-portable tactical compute power

- AI processing at the dismounted edge; runs network disconnected or connected
- Operational in ~2-4 weeks and designed for austere locations
- Ideal solution for special operations and forward-deployed teams

The Power of Choice: One Architecture, Endless Possibilities: Deploy any option above and take advantage of the same APIs, tools, and training. Start tactical, scale strategic – your investment and expertise carry forward at every step. All solutions can operate disconnected from the internet and from Oracle Cloud's DevOps pipeline, or from a parent Oracle Cloud region. Ultra, RED and C3I can also be connected to an Oracle Cloud region, such as a government region or Oracle Cloud Isolated Region.

Fast Start: Immediate Capacity with Future-Ready Scaling

You control the timeline and investment, Oracle helps you achieve isolated cloud capabilities that match mission requirements and budgets, without compromising security, control, or operational continuity.



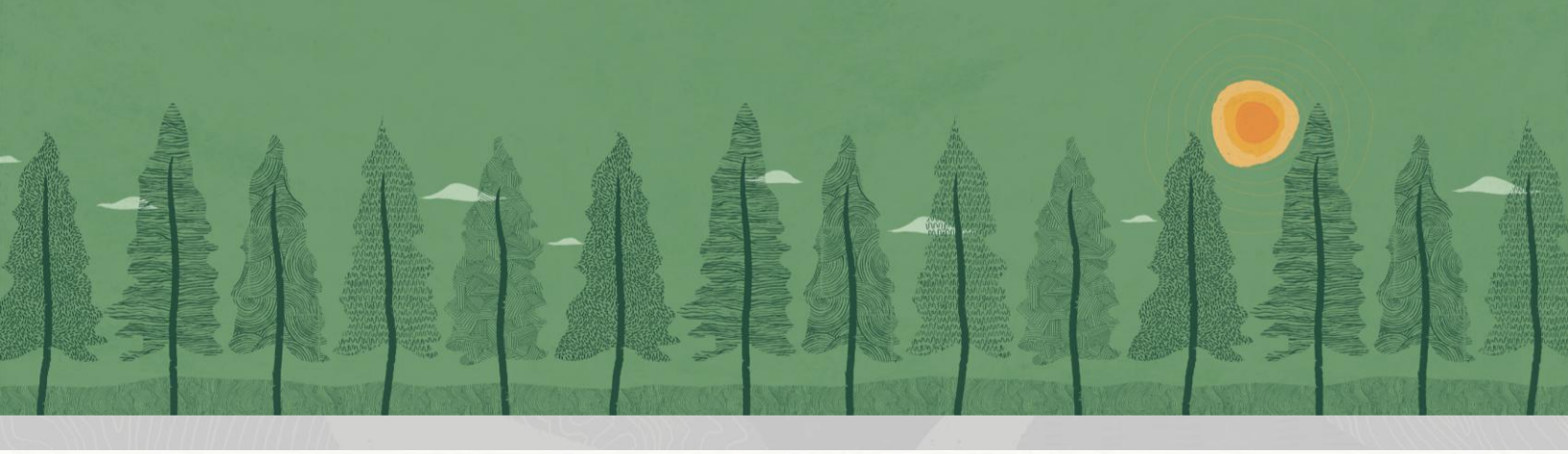
Fast-Start: Get operational now with Oracle air-gapped cloud solutions right-sized to your immediate needs:

- **Same Day:** Create an OCI tenancy for development, testing, and non-classified workloads
- **Weeks:** Deploy Roving Edge infrastructure (~2-4 weeks) for disconnected classified operations at the tactical edge or C3 Isolated rack scale infrastructure for brigade-to-division workloads at the near or far edge or core (operational within ~6-8 weeks)
- **Scale on Your Terms:** Each solution in the Isolated Cloud Portfolio is a separate device (like Ultra, RED, or C3) or infrastructure (like Oracle Cloud Isolated Region) that you can procure as your mission needs evolve. Acquire additional appliances as needed and evolve to hyperscale cloud when ready

Fast-Start's comprehensive **Flexible Operations Model** lets customers choose their operational approach—from Oracle or Partner managed to self-operated—while building cloud capabilities immediately:

- Oracle Customer Success Services (paid service)
- Partner-Operated (requires training)
- Customer-Operated (requires training)

Component	Description
Target Customer	Defense organizations facing urgent operational needs without time for traditional procurement cycles
Speed to Mission	Operational in ~2-4 weeks for Roving Edge and ~6-8 weeks for C3 Isolated
Initial Configuration	Start with one Ultra or RED at the near or far edge – prove value before scaling
Commitment Terms	Multi-year commitments apply for C3 Isolated and Oracle Cloud Isolated Region. The flexibility lies in choosing the right-sized starting point for your mission – from single edge devices to rack-scale infrastructure
Key Benefits	1. Immediate Operational Value: Process ISR data, run AI/ML workloads, and enable JADC2 applications at classification levels—no waiting for perfect infrastructure 2. Flexible Operations Model: Choose Oracle-managed, partner-operated, or self-operated based on security requirements 3. Investment Protection: Every rack or device purchased today scales seamlessly with Oracle's Isolated Cloud Portfolio. RED/C3I can connect to future hyperscale deployments as satellite infrastructure – no stranded assets.



Your Isolated Cloud Strategy – Plot Your Own Course:

Phased Strategy: Build from any starting point as mission and budget evolve. Whether you begin with a cloud tenancy, roving edge infrastructure, a C3 Isolated deployment, or an Oracle Cloud Isolated Region, Oracle's consistent architecture ensures seamless growth. Expand from tactical to strategic, from pilot to production, from single site to multi-region—all while preserving every investment in training, applications, and operations.

What makes this approach unique:

- **Pay for what you need today**, not what you might need tomorrow
- **Prove value with small deployments** before scaling up
- **Move workloads freely** between deployment models without reengineering
- **Maintain consistent operations** whether managing one device or an entire region

Start where your mission demands, scale when your budget allows, and maintain complete sovereignty throughout your phased strategy—from your first deployment to national infrastructure.

Oracle enables you to: Test AI on the flight line this quarter, consolidate data at brigade scale next year, and land an accredited hyperscale region when the mission matures.

Phase	Mission Question	Example Use Case	Deployment Model
Test & Evaluate	Can I trial a new capability in denied, degraded, intermittent or limited (DDIL) conditions—fast?	A UAS/USV developer trains an AI target-modeler, synching results when comms become available.	Roving Edge Ultra & Roving Edge Device (RED) *(appliance hardware)*
Accelerate & Consolidate	Can I fuse sensor data, run GPUs, and host secret-level apps near the fight—without building a data centre?	A brigade HQ stands up an enclave for counter-UAS analytics and coalition C2 in just 1-3 racks.	C3 Isolated *(rack scale infrastructure)*
Transform & Scale	Can I process nation-scale sensor data, train sovereign AI models, and coordinate multi-domain operations when tactical infrastructure hits capacity?	A defense ministry outgrows its tactical infrastructure when ISR data explodes to petabytes daily, demanding hyperscale GPU clusters for real-time AI processing.	Oracle Cloud Isolated Region *(hyperscale infrastructure)*

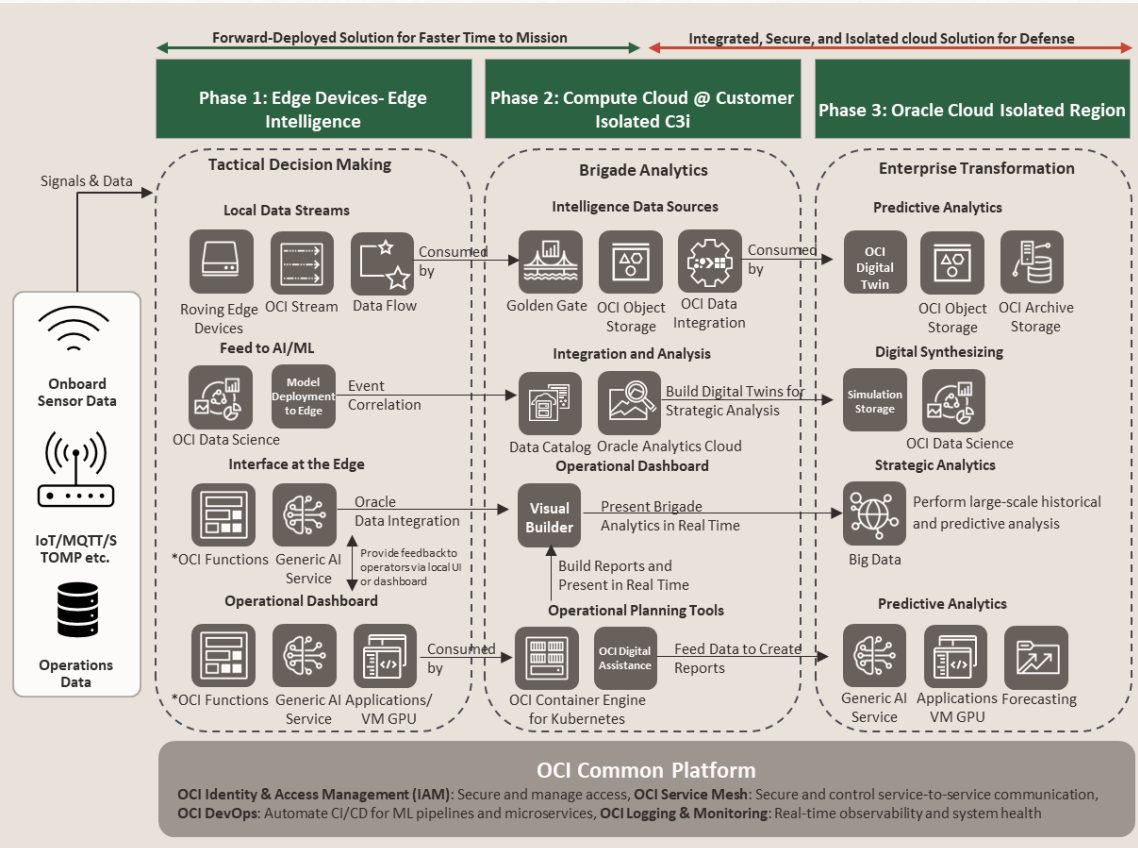
Enabling Technologies Across the Isolated Cloud Strategy

Choose the mission-critical technologies you need, when you need them..

At the tactical edge, **Roving Edge Infrastructure (Ultra/RED)** survives where commercial systems fail. Beyond basic ruggedization, these devices enable mesh networking between teams, run advanced AI without cloud connectivity, and maintain operations in austere and remote conditions. When satellites are jammed and networks are severed, your edge capabilities continue the mission.

C3 Isolated delivers capabilities typically reserved for data centers. Run compute-intensive workloads on the latest processors, leverage NVIDIA GPU acceleration for AI tasks, and deploy containerized applications with OKE. Access services like OCI GenAI for text analysis and generation, configure high-performance computing clusters for complex simulations, and store classified data locally – all air-gapped within your facility. This is not just another server rack; it is core cloud infrastructure delivered where you need it.

Oracle Cloud Isolated Region delivers hyperscale cloud within your sovereign borders. Oracle offers the same 150+ services available in public Oracle regions – from advanced analytics to machine learning platforms – all within air-gapped infrastructure. Train AI models on petabytes of classified data using massive GPU clusters. Build sovereign data lakes that aggregate every sensor, system, and intelligence source across your defense enterprise. This is where commercial innovation meets uncompromising security at national scale.



Key Interactions

1.Local Data Streams ↔ Intelligence Data Sources: Local Data streams allocate locally as processing; Data Feeds from multiple intelligence sources

2.Intelligence Data Source ↔ Strategic Data Collection: Data archive stores enterprise level intelligence data

3.Feed to AI/ML ↔ Integration and Analysis: Data streams are directed to AI/ML models for edge-based data fusion tasks; Multi-source operations timed and analyzed from common operational dashboard.

4.Integration and Analysis ↔ Digital Synthesizing: Combining data streams to form digital twins for operational analyses.

5.Interface at the Edge↔ Operational Insights: Processing of data at the edge-for-edge based decision support systems; Processed intelligence feeds operational dashboards- aiding mission planning

6.Operational Insights↔ Strategic Analytics: Utilizes predictive analytics tools to form data driven strategic analysis

7.Tactical Decision↔ Operational Decisions: Edge processing outputs enable fast tactical-level decisions; Operational feeds produce brigade-level mission planning insights

8.Operational Decisions ↔ Strategic Decisions: Predictive decision outputs secure strategic outcomes

Use Cases

Oracle's **Isolated Cloud Portfolio** delivers the capabilities defining modern warfare: AI-powered target recognition that compresses sensor-to-shooter timelines from minutes to seconds, autonomous edge computing that maintains lethality when satellites are denied and networks severed, and distributed exploitation chains where any sensor can cue precision effects across domains. From GPU clusters training AI on combat drone footage to electromagnetic battlespace management that turns every signal into intelligence, these capabilities ensure decision advantage. Real-world applications include:

Contested Edge Intelligence & Autonomous Targeting: Ukraine loses about 10,000 drones monthly to Russian jamming, forcing operators to pre-load target recognition AI that works without GPS or communications. Oracle's Roving Edge Devices enable similar capabilities —neural networks trained on millions of combat images run autonomously in completely disconnected environments, identifying targets even when SATCOM and GPS are denied. When forces reach secure networks, intelligence syncs upstream using the same C2 and targeting platforms at Division and Corps HQ, transforming electromagnetic isolation into tactical advantage.

Multi-Domain Maritime Command & Control: The Red Sea proves modern naval threats move faster than satellite links can respond, with Houthi drones and missiles giving ships seconds, not minutes, to react. Oracle's C3 Isolated could enable embarked AI that processes radar returns locally, predicts equipment failures before they strand vessels, and coordinates fires without reaching back to shore. The same Aegis combat system interfaces, maintenance applications, and C2 tools used in fleet headquarters run identically at sea, enabling instant handoff between ship and shore command —critical when every second determines whether a $5,000 drone could compromise a $2 billion destroyer.

Distributed Swarm Coordination & Strike Operations: Missile defence systems coordinate hundreds of intercepts against saturation attacks— tomorrow's challenge is coordinating autonomous swarms at theater scale. Oracle enables defense organizations to train swarm AI on classified engagement data in its Oracle Cloud Isolated Region, then deploy models to edge clusters controlling hundreds of autonomous systems. When electronic warfare disrupts communications, pre-trained behaviors execute autonomously. Post-mission data flows back to retrain models within hours at enterprise scale.

Resources

Learn more about Oracle Cloud

- Oracle Cloud Isolated Region
- Roving Edge Infrastructure
- Compute Cloud@Customer
- Global Defense Alliances
- Oracle Sovereign Cloud
- Classified Oracle Cloud for U.S. National Security
- Oracle Cloud for UK Government & Defence
- Oracle Cloud for the U.S. Defense Department

Oracle Sovereign Cloud press releases and blogs

- Oracle Advances National Security with New Sovereign, Air-Gapped Cloud Offering
- Oracle Launches First-of-its-Kind Defense Ecosystem to Redefine National Security Innovation
- Enabling Digital Sovereignty in Europe and the UK with Oracle Cloud Infrastructure
- DSTA Selects Oracle Cloud Infrastructure for Ministry of Defence Singapore Ministry
- Oracle and RAFAEL to Provide Cloud-Based AI Solutions for Defense Missions
- Oracle and Palantir Join Forces to Deliver Mission Critical AI Solutions to Governments and Businesses
- Oracle Achieves Top Secret Authorization
- U.S. DOD Accredits Oracle Cloud Infrastructure (OCI) for Top Secret Missions
- Outline Global powers AI-enabled geospatial mapping with Oracle Database 23ai
- Oracle opens second cloud region in Singapore
- Oracle successfully demonstrates tactical solutions in NATO exercise

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