

AIR GAP BACKUP SOLUTIONS.

Isolated & Immutable. Lossless Restorations. Any Environment, Any Cloud.

'In case of ransomware attacks that specifically target backups, conventional data backups may not be effective. Therefore, Regulated Entities shall create backups in an isolated and immutable (and/ or air-gapped) manner to ensure recovery if production system is compromised' - Securities and Exchange Board of India.

The rapid surge in AI-powered cyber malice, namely ransomware, is driving regulatory mandates for enterprises to move beyond traditional continuity strategies. Cloud4C, world's leading automation-driven Cloud MSP, offers advanced Air Gap Backup solutions on high availability, in-country compliant infrastructure, for data residing on any on-prem, private, public, hybrid, or multi-cloud environment with lossless restorations. Back up critical enterprise data on network-isolated, immutable, and fully managed storage systems, retrieved only via military-grade secure protocols.

- ✓ Seamless backups of critical data across multiple landscapes and cloud environments
- ✓ High performance storage infrastructure. 100% adherence with regulatory DR mandates and best practice guidelines
- ✓ Physically or logically gapped storage systems, complete network isolation between production and air-gapped environments
- ✓ Meets strict regulatory requirements for industries with stringent data protection standards (Ex: SEBI guidelines)
- ✓ Highly secure, SOP-driven data access protocols in events of necessity
- ✓ Periodic safety drills ensuring data readiness, secure maintenance preventing data leakages
- ✓ Super-fast, lossless data restorations for continuous business operations, anytime and anywhere
- ✓ Available as dedicated and shared services models for maximum ROI

Why Choose Cloud4C as Your Mission-critical Continuity Partner?

Serving **4000+** Enterprises including **60** Fortune **500**, across fast-growing and highly regulated economies

Managed enterprise data backup and restorations, supported by **26** dedicated Centers of Excellence

Certified expertise across **AWS, Azure, GCP, OCI**. Seamless private, hybrid, and multi-cloud data backups

Intelligent Cyber Defense, fully secure and lossless data maintenance

Rated-IV, group Datacenters for high availability storage and infrastructure hosting

Compliant with in-country data residency, sovereignty laws across **30+** countries

Cloud4C Full-scale Air Gap Backup and Continuity Capabilities

Physical Air Gapping

Backup data is stored on physically disconnected media (e.g., tapes, external drives) or in isolated backup appliances. Periodically reconnected for updates.

Logical Air Gapping

Data is backed up to logically and network isolated environments (VPC, firewalls, access restrictions) within cloud infrastructure. Data remains connected but inaccessible.

Cloud-to-Cloud Backup (Multi-cloud)

Data from one cloud provider is replicated to a secondary cloud provider (multi-cloud). Isolated access rules prevent cross-cloud exposure.

On-Premises to Cloud Backup

Data from on-prem systems is backed up to cloud storage. Connectivity is severed after transfer, creating a time-based air gap.

Cold Storage Backup

Data is stored in cold or archive storage in the cloud or privately, which is designed for long-term storage and minimal access.

Offline Backup Storage Systems

Dedicated backup devices store data locally. Data can be transferred to the cloud or other devices periodically, maintaining an air gap between operations.

Immutable Cloud Backup

Backup data is stored in immutable formats (cannot be altered or deleted) on cloud platforms with built-in air-gapping features.

Multi-Region Cross-Cloud Backup

Data is stored in isolated regions within the same cloud provider. Backup data is replicated across regions with strong access controls to maintain isolation.

Managed DR Services, DRaaS

Automated, platform-driven DR services across multiple environments including private on-prem, hybrid, and multi-clouds, with policy-driven data.

Start With an Assessment Workshop to chalk out your Air Gapped Backup roadmap



Business objective analysis and goals assessment



Analysis of data-landscape, flows and data types across organization



Landscape maturity assessment, data risk factors analysis and considerations



Recommendation report on ideal backup & restoration strategy

About Cloud4C: Globally Trusted Multi-cloud Partner for Mission-critical Transformations

Cloud4C is the world's largest application-focused and automation-driven cloud managed services provider in high-growth economies and fast-growing sectors, serving **4000+** enterprises including **60** of the Fortune **500** multinationals in **30+ countries**. Cloud4C helps in migrating, modernizing, and managing mission-critical enterprise IT landscapes end-to-end across in-country compliant public, private, hybrid and multi-cloud environments in a **single 99.95% SLA** till application login layer. As one of the leading AI and Automation-powered managed security and continuity providers, Cloud4C enables risk-proofed enterprise operations and transformation initiatives at maximized returns.

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