Block Storage

Scale Storage Seamlessly - with High Performance and Built-In Resilience

Accelerate application speed, eliminate overprovisioning, and recover faster with JioCloud Block Storage built for dynamic enterprise workloads.

The Challenge

- **When performance, scale, and uptime can't be optional**
  Modern businesses require storage that matches the speed and scale of digital transformation. But IT teams still struggle with:

- **Slow application response:** Legacy systems can't keep up with high IOPS or low-latency needs of modern apps.

- **Rigid storage limits:** Without flexible scaling, teams risk either overprovisioning or hitting hard limits mid-operation.

- **Disaster recovery gaps:** The lack of built-in backup options slows down restoration and increases the risk of data loss.

- **Operational complexity:** Manual processes and fragmented tooling make storage hard to manage - and even harder to optimize.

The JioCloud Solution

JioCloud Block Storage gives your businesses the performance, reliability, and scalability they need. Built for databases, analytics platforms, and business-critical apps, it offers persistent volumes that stay available through reboots and updates, along with flexible capacity that lets you scale from 100 GB to 2 TB per volume instantly.

With tiered performance options to match your workload - from everyday use to I/O-intensive operations - your applications stay fast and responsive. Snapshot backups and built-in redundancy keep your data protected at all times. And you can manage everything through a clean, intuitive console - no special tools, no manual workarounds.

Key Features

- **Optimised I/O performance**
  Accelerate data access with low-latency, high-throughput block volumes.

- **Persistent storage volumes**
  Data remains intact across system restarts, failures, and updates.

- **Instant snapshots**
  Capture point-in-time data for fast backup and recovery.

- **Multiple performance tiers**
  Choose from Standard, Premium, or Ultra based on IOPS and budget.

JioCloud

What You Gain

- **Boost app performance**
  Speed up databases, analytics, and business systems with high IOPS and low latency.

- **Adapt on the fly**
  Adapt on the Fly - Scale up instantly - no wasteful overprovisioning or downtime.

- **Recover faster**
  Restore from point-in-time snapshots to minimise disruption and data loss.

- **Reduce storage waste**
  Find the right performance tier to match your workload needs - and nothing else.

- **Operate with confidence**
  Rely on persistent volumes, built-in backup, and centralised control.

Use Cases in Action

High-speed databases

A financial services team hosts a mission-critical OLTP database on Premium tier block storage, backed by hourly snapshots for point-in-time recovery.

DevOps workflows

Developers spin up volumes in seconds for CI/CD pipelines - scaling storage dynamically as builds grow.
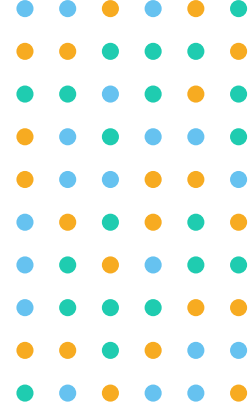
Disaster recovery

Healthcare teams use snapshot and redundancy features to keep patient data safe, available, and compliant.

Ideal for

- Database Administrators running transactional workloads

- DevOps and SREs managing scalable infrastructure

- Cloud Architects designing for agility

- IT Ops teams focused on uptime and recovery

- Application Developers building data-rich apps

Why JioCloud

- **Integrated and local**
  Built on JioCloud's secure, high-performance infrastructure with local data residency and lower latency.

- **Performance on your terms**
  Select the IOPS and throughput tier that fits your app - not the other way around.

- **Enterprise-ready, always-On**
  With RBAC, fault-tolerant design, and snapshot automation, we're ready for your toughest workloads.

- **Support that grows with you**
  Backed by JioCloud experts to help optimise storage, architecture, and resilience - at every stage.

JioCloud

Ready to Power Smarter Storage?

Run faster, scale instantly, and recover with confidence -
with JioCloud Block Storage

Reach out at jpl.cloudsales@ril.com or visit (website) to get started.