

# Back Up



## Overview

JioCloud Backup is a fully managed solution that automates your backups across cloud and hybrid environments—while giving you full control through an intuitive console. It enables backups for everything from VMs to databases to file systems with ease. Whether you need frequent snapshots, long-term archival, or application-aware recovery, JioCloud BaaS adapts to your business. Encrypted, policy-driven, and built for speed, JioCloud BaaS keeps your data safe, your operations resilient, and your compliance needs covered.

## Key Features

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- **Automated backup scheduling**  
Schedule backups for all workloads—no manual tracking required.
- **Snapshot-based VM protection**  
Capture and restore VM states quickly with minimal disruption.
- **Agent-Based Backup for Databases and Files**  
Ensure integrity with targeted backup agents for critical systems.
- **End-to-end encryption**  
Protect data in transit and at rest with built-in security.
- **Multi-site redundancy**  
Store encrypted backups across multiple locations for added resilience.
- **Customizable policies**  
Tailor backup plans to fit different workloads, compliance needs, and recovery objectives.

# Benefits

- **Up to 90% less downtime**  
Restore in minutes, not hours—with fast, reliable recovery that keeps your business running.
- **One dashboard, full control**  
Track, manage, and customise all your backups from a single place—no toggling between tools.
- **Stronger continuity, reduced stress**  
Get peace of mind with automated scheduling, multi-location backups, and zero surprises during incidents.
- **Scale as you grow**  
Expand backup coverage without re-architecting. JioCloud BaaS grows with your data—and your business.

## Technical Specifications

Supported Workloads	VMs, File Systems, Databases, Containers
Full, incremental, snapshot-based	Full, Incremental, Snapshot-Based
Backup Agents	Optional for Database and App-Level Protection
Retention Policies	Configurable (Daily, Weekly, Custom)
Access Interface	Web-Based Dashboard, CLI/API (Where Applicable)
Security	AES-256 Encryption, Secure Transmission

## Operating / Environmental Requirements

Works With	Works With Jio Cloud-Hosted Virtual Machines, Containers, and Storage
Requires Supported Backup Agents	DB/File-Level Backup (Linux/Windows)
Recommended VPC And Security Group	Settings for Agent Communication
No Specific Hardware Required	Fully Managed As-A-Service Offering

## Integration Details

<b>Integrates With</b>	Jio Cloud Virtual Machines
	Block/File/Object Storage
	Kubernetes Environments (for Container Backup)
<b>Works With</b>	Directory Services for Access Control
<b>Integrated With</b>	Backup Logs and External SIEM or Monitoring Tools
<b>REST APIs</b>	Backup Orchestration (Planned)

## Scalability / Sizing / Performance Benchmarks

<b>Scales On Demand</b>	To Meet Growing Data Protection Needs
<b>Supports</b>	Multiple Parallel Backup Jobs Across Workloads
<b>Incremental Backups</b>	To Optimize Performance and Storage Cost
<b>Benchmarks</b>	May Vary Based on Workload Type and Backup Size (Available Upon Request)
<b>Scales</b>	Backup Storage Scales from GBs to PBs

## Use Cases

- **Virtual Machine backup**  
Snapshot and restore of entire cloud VMs.
- **File system backup**  
Backup of specific drives or folders.
- **Database backup**  
Agent-based DB backups (SQL and NoSQL DBs.).
- **Container backup**  
Backup and recovery of containerised workloads along with their persistent data and configurations.
- **Disaster recovery**  
Critical for business continuity planning.
- **Compliance archiving**  
Long-term retention for audits and regulations.