JioCloud

Disaster Recovery

Overview

JioCloud Disaster Recovery helps your organisation build resilience by replicating entire application environments: compute, storage, databases, even network settings - to a secure secondary site. JioCloud's platform combines infrastructure components into logical "applications" making protection and recovery easier. With real-time alerts and centralised visibility, it ensures your teams are notified early, giving them time to respond and fix issues before they escalate. Whether it's a natural disaster or an unexpected outage, JioCloud Disaster Recovery helps maintain business continuity, supports compliance, and brings peace of mind.

Key Features

- **End-to-end application protection**
  Encapsulates compute, storage, and networking layers for homogeneous DR coverage.

- **Built-in redundancy**
  Offers high availability by using native infrastructure replication.

- **Technology agnostic**
  Operates across platforms and supports block, file, object storage, and databases.

- **Real-time alerts**
  Sends notification to teams when DR risk and/or compliance risk exists and requires intervention.

- **Policy-driven resilience**
  Aligns recovery workflows with the business's priorities and/or compliance requirements.

Benefits

- **Recover quickly from any disruption**
  Minimise downtime with fast, reliable failover from protected environments.

- **Stay audit-ready always**
  Stay aligned with regulatory standards through continuous visibility and policy adherence.

- **Avoid vendor lock-In**
  Support DR across diverse tech stacks without being tied to one provider.

- **Earn stakeholder trust**
  Show customers, regulators, and partners that you're prepared - always.

- **Free up IT focus**
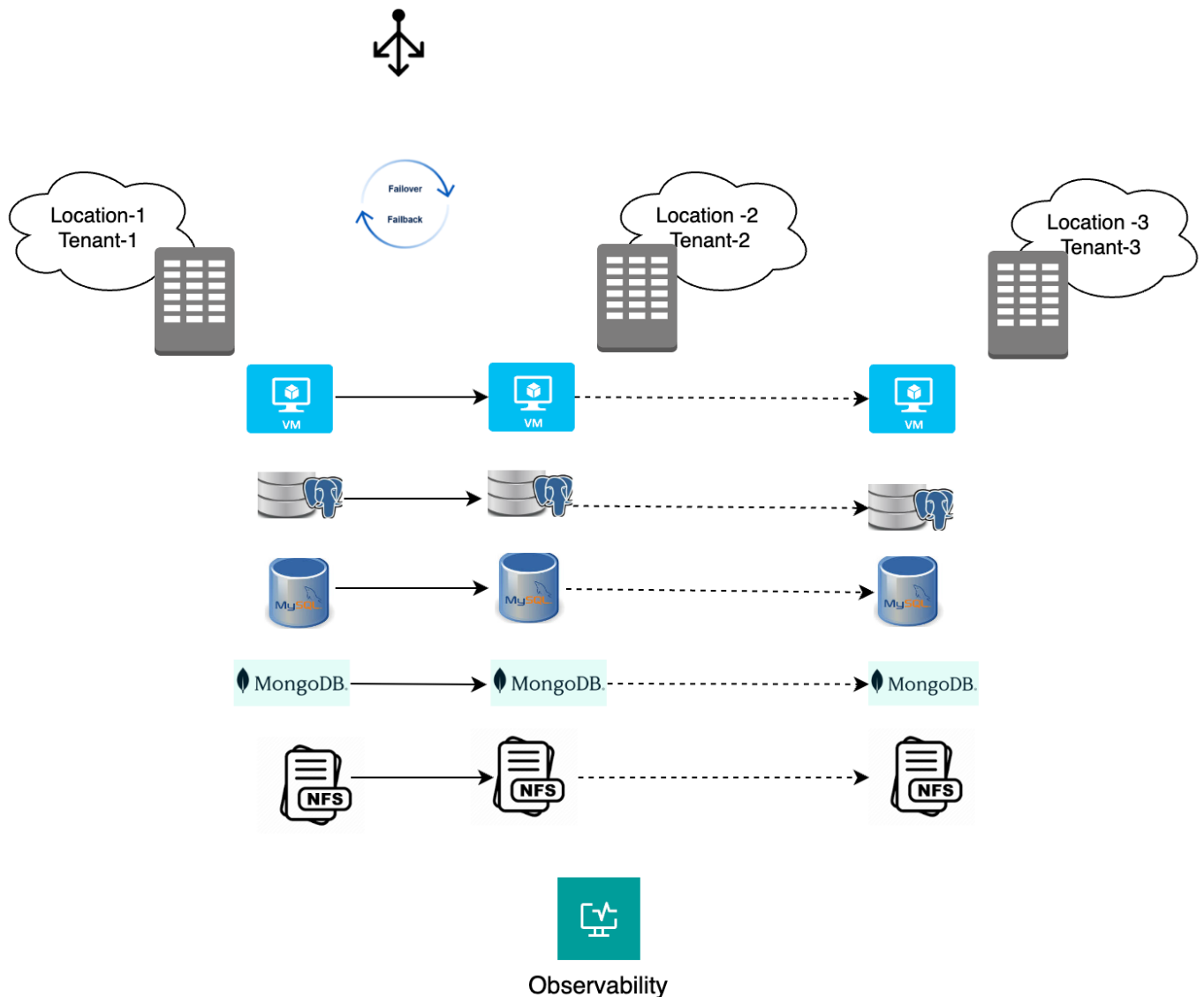 Let your teams drive growth while JioCloud takes care of DR.

Technologies Supported

- **Operating Systems:** Linux
- **Databases:** PostgreSQL, MongoDB, MySQL, MS-SQL
- **Storage:** NFS, Block
- **Cloud Integrations:** Azure-HCI, Redhat

Technical Specifications

Specification	Details
RPO	As per discussion between the platform and customer application architects based on load, throughput
RTO	As per discussion between the platform and customer application architects

Architecture Diagram

Location-1
Tenant-1

Failover
Failback

Location -2
Tenant-2

Location -3
Tenant-3

VM → VM ----→ VM

MongoDB → MongoDB ----→ MongoDB

NFS → NFS ----→ NFS

Observability

Use Case

- **Full-stack protection**
  Secure your applications, storage, and network configurations end-to-end.

- **Flexible failover**
  Restore workloads across cloud or on-prem environments as needed.

- **Compliance-driven industries**
  Designed for industries such as finance, healthcare, and telecom where regulations and audits are critical.