



Network Load Balancer

Keep Your High-Traffic Apps Running Fast

With JioCloud Network Load Balancer, distribute TCP and UDP traffic with low latency, automatic failover, and zone-aware routing – built for real-time, business-critical workloads.

The Challenge

- Real-time apps, streaming, etc., demand flawless performance. When a single backend node fails, latency spikes and user experience shatters.
- Traditional load balancers can't handle raw, non-HTTP traffic or scale intelligently. Manual fixes are too slow.
- Manual intervention for routing or scaling creates operational delays and risk.



The JioCloud Solution

JioCloud Network Load Balancer provides high-speed Layer 4 load balancing across backend services – purpose-built for high-volume, low-latency applications.

It works at the protocol level (TCP/UDP), reroutes traffic when servers go down, and keeps services online across zones. Designed for speed and fault tolerance, it scales automatically and integrates with your existing monitoring and automation tools.

Key Features

- **Fast layer 4 traffic handling**
Handle large volumes of TCP (Transmission Control Protocol) and UDP (User Datagram Protocol) traffic across backends – with minimal delay and overhead.
- **Health-based failover**
Ensure continuous uptime by detecting and rerouting traffic away from unhealthy servers automatically.
- **Multi-zone traffic distribution**
Distribute requests across availability zones for continuous service and protection against outages.
- **Scalable by design**
Instantly add more tunnels, ports, or throughput as demand grows, no re-architecture required.
- **Protocol flexibility**
Seamlessly works with a range of services – from VoIP and DNS to financial APIs and custom apps.
- **API-driven control**
Fully programmable via APIs and Terraform for DevOps and platform teams.



What You Gain

- Handle real-time load with consistent low-latency delivery.
- Maintain uptime with built-in failover across zones.
- Eliminate manual routing and reactive troubleshooting.
- Support diverse protocols beyond HTTP/S.
- Scale cleanly as demand grows — without infrastructure sprawl.



Use Cases in Action

Keep payments flowing

Balance thousands of TCP connections for real-time transactions — with instant rerouting during backend failures.

Secure always-on operations

Enable 24/7 uptime for backend APIs and database services - with traffic balanced across redundant zones.

Power High-concurrency services

Support multiplayer gaming, video streaming, or telecom apps - with sub-second response times and protocol-level flexibility.

Simplify network scaling

Add or modify traffic rules through APIs and templates - without touching individual nodes or ports.

Who It's For

Cloud infrastructure architects
design scalable backend systems

DevOps and platform engineers
automate load balancing in CI/CD pipelines

SREs and NOC teams - maintain uptime for real-time and backend applications

Network engineers
configure protocol - and port-level routing

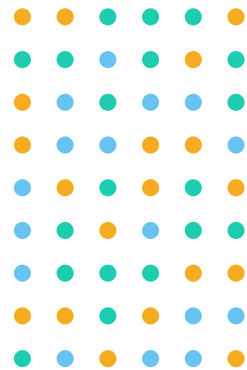
IT managers and digital operations heads
oversee infrastructure performance

Why JioCloud

Seamlessly integrated with JioCloud networking, monitoring, and orchestration tools.

Low-latency Indian network backbone with in-region presence.

SLA-backed availability, localised support, and compliance alignment.



Deliver Low-Latency Performance - Even Under Pressure

Get started with JioCloud Network Load Balancer. Contact us at jpl.cloudsales@ril.com or visit [\(website\)](#).

