

# Application Load balancer /WAF

## Overview

JioCloud Application Load Balancer helps you deliver web apps, APIs, and internal services reliably — even during traffic spikes or attacks. You can direct HTTP/S traffic based on URLs or headers, offload SSL processing to ease backend load, and apply built-in defenses against common web exploits — all without manual configuration. This gives your team the confidence to scale apps securely and efficiently.

## Key Features

- **Smart layer 7 routing**  
Route traffic based on URL, headers, or content to match users with the right service.
- **WAF-backed protection**  
Stop common web exploits and bad bots using preconfigured security policies.
- **Defense against app-layer DDoS**  
Detect and respond to HTTP-based attacks in real time - keeping services up even during high-volume events.
- **Live traffic visibility**  
See traffic patterns and anomalies on dashboards built into your load balancer.
- **Auto-scale based on demand**  
Add or reduce capacity as traffic changes—no need for manual intervention.
- **SSL offload at the edge**  
Terminate SSL at the load balancer to reduce backend load and speed up responses.

# Benefits

- Keep your apps fast and stable, even under heavy traffic or attack.
- Prevent downtime from code-level threats, bot abuse, or misrouted requests.
- Deliver a consistent user experience — with less operational overhead.
- Free up DevOps time by automating traffic handling and scaling.
- Improve conversion rates and trust with secure, responsive access.

## Use Case

- **Handle traffic surges**  
Keep your site responsive during flash sales, marketing campaigns, or seasonal peaks.
- **Serve global users faster**  
Distribute traffic smartly across services and regions with built-in redundancy.
- **Protect customer-facing apps**  
Block bots, injection attempts, and DDoS threats before they reach backend servers.
- **Simplify day-to-day Ops**  
Let your teams focus on product and releases, not firewall rules and scaling triggers.