JioCloud

Next Generation Firewall

Overview

JioCloud's Next Generation Firewall gives you a clearer view and stronger control over how traffic moves in your cloud. It doesn't just check IPs or ports. It looks deeper, decrypting traffic if needed, understanding which apps are in use, and applying policies based on context, such as user, device, or workload. It blocks malware, flags suspicious patterns, and adapts to new threats in real time. Whether you're protecting a single app or a large multi-tiered environment, you get a firewall that's built to match how cloud networks actually behave — with everything managed in one place.

Key Features

- **Layer 7 inspection**
  Understand application behaviour — not just where traffic comes from.
- **Intrusion prevention**
  Detect and block known attacks, scans, and suspicious behaviour inside your cloud.
- **SSL/TLS decryption**
  Inspect encrypted traffic to catch hidden threats, then re-encrypt safely.
- **User and app-aware policies**
  Create rules based on real-world context, not static rules.
- **Built-in threat intelligence**
  Get updated feeds to spot malware, ransomware, and botnet activity fast.
- **Centralised management**
  Set policies, monitor traffic, and view alerts from one place.

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Benefits

- Stronger protection against advanced threats, including in encrypted traffic.
- Clearer visibility into what's happening inside your cloud — not just at the edge.
- Faster response to incidents, with centralised logging and alerting.
- Easier compliance through auditable controls and consistent enforcement.
- The flexibility to secure workloads without slowing them down.

Use Case

- **Healthcare platform protection**
  A cloud-based EHR platform secures sensitive patient data across user access, app tiers, and databases. The firewall inspects encrypted traffic, detects policy violations, and blocks zero-day threats — helping meet HIPAA and data privacy standards.

- **Internal threat detection in financial services**
  Banks monitor east-west traffic between microservices using Layer 7 inspection. The NGFW detects suspicious behaviour, blocks lateral movement, and logs activity for audit trails, improving response time and compliance.

- **DevSecOps integration for telecom apps**
  Teams integrate the firewall into CI/CD pipelines, enforcing policies from development to production. With API access and real-time alerts, they secure DNS, customer data flows, and third-party integrations — without slowing release cycles.