JioCloud

Intrusion Prevention System

Prevent Breaches Before They Begin —
with Inline Threat Detection

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With JioCloud Intrusion Prevention System, you can stay compliant, fast, and stop attacks early.

The Challenge

Modern attacks don’t wait.
Today’s cloud environments face constant threats — from zero-day exploits to malware and hidden lateral movement. Traditional firewalls can’t inspect deep packet behavior or stop unknown threats.

Security teams are also under pressure to meet compliance mandates, reduce response time, and avoid service disruption — all while keeping operations lean.

The JioCloud Solution

JioCloud IPS defends your cloud workloads with real-time, inline threat prevention — without sacrificing performance or uptime.

It inspects traffic across Layers 3 - 7 to detect exploits, alert on irregularities, and take action against malicious behavior before it reaches your application. Using a combination of signature detection, behavior analytics, and real-time threat intelligence, JioCloud IPS blocks threats inline without any performance impact.

With a design for cloud-native environments, JioCloud IPS seamlessly integrates into your virtual networks, SOC workflows, and compliance frameworks.

Key Features

- **Deep packet inspection (L3-L7)**
  Monitors all levels of network traffic to expose hidden payloads and application-layer threats.
- **Signature + anomaly detection**
  Uses known threat signatures, then adds behavior analytics to find anomalies and zero-day attacks.
- **Real-time threat bocking**
  Stops the malicious activity as soon as it occurs.
- **Inline, low-latency deployment**
  Protects the traffic without going offline, or experiencing any latency.
- **Automatic threat intelligence updates**
  Automatically pulls the most recent threat intel feed on emerging threats.
- **Granular logging and alerting**
  Monitors the environment and generates real-time alerts, while capturing full event logs for investigations and audits.
- **SOC and SIEM integration**
  Inputs threat data into a central system to allow for a faster response with further analysis if required.

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What You Gain

- Real-time prevention of exploits, malware, and zero-day attacks.
- Easier compliance with continuous logging, alerting, and audit trails.
- Inline protection with zero added latency or performance impact.
- Faster review and response with detailed, contextual alerts.
- Seamless deployment in cloud environments with SOC and SIEM integration.

Use Case: Securing Digital Banking on Cloud

Stop advanced attacks

Detect and stop zero-day exploits, injection attacks, and port scans targeting key backend banking APIs.

Go beyond firewalls

Inspect L3 – L7 inline traffic to capture important threats you would miss with bolt-on payload-based capabilities.

Respond in real time

Trigger alerts with rich context to accelerate triage and have report-ready, compliance-friendly reporting.

Protect without disruption

Deploy IPS in a transparent manner in the cloud - no downtime, no performance hit.

Ideal For

Cloud Security Architects - Design secure, segmented cloud networks

CISOs and SOC Teams - Detect and respond to advanced threats in real time

Network and Firewall Engineers - Implement inline protections and manage policies

Compliance and Risk Managers - Ensure regulatory coverage across cloud services

DevSecOps Teams - Integrate IPS into CI/CD pipelines and app delivery workflows

Why JioCloud

Built for cloud-native environments with full virtual network integration

Deployed in-region for data residency and low-latency protection

Always up to date with automatic threat intelligence feeds

Backed by enterprise-grade SLAs and high-availability architecture

Designed to support Indian regulatory and industry compliance standards

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Ready to Stop Attacks Before They Strike?

Talk to us at jpl.cloudsales@ril.com or visit (website) to get started with JioCloud Intrusion Prevention System (IPS).