

Vulnerability Assessment and Patch Management



Overview

JioCloud Vulnerability Assessment and Patch Management helps you take control of your environment — without the manual burden. It identifies high-risk vulnerabilities, shows you what matters most based on business impact, and automates the patching process end to end. You get clear risk scores, real-time visibility, and policy-based workflows, so your teams spend less time reacting and more time securing. Whether you are managing a hybrid fleet or dynamic workloads, JioCloud helps you fix issues faster and prove compliance with less effort.

Key Features

- Asset discovery made easy**
Sort vulnerabilities by CVSS score, asset sensitivity, exploit availability, and patch deadlines.
- Automated patch management**
Deploy patches based on policy by severity, group, or window — without manual effort.
- Continuous scanning**
Use lightweight agents to detect new risks in real time.
- Patch validation and rescanning**
Confirm patch success automatically, with no manual checks.
- Blackout and maintenance controls**
Avoid disruptions with scheduling built for production systems.
- Exception management**
Track exceptions with business justification and expiry controls — all audit-ready.

Benefits

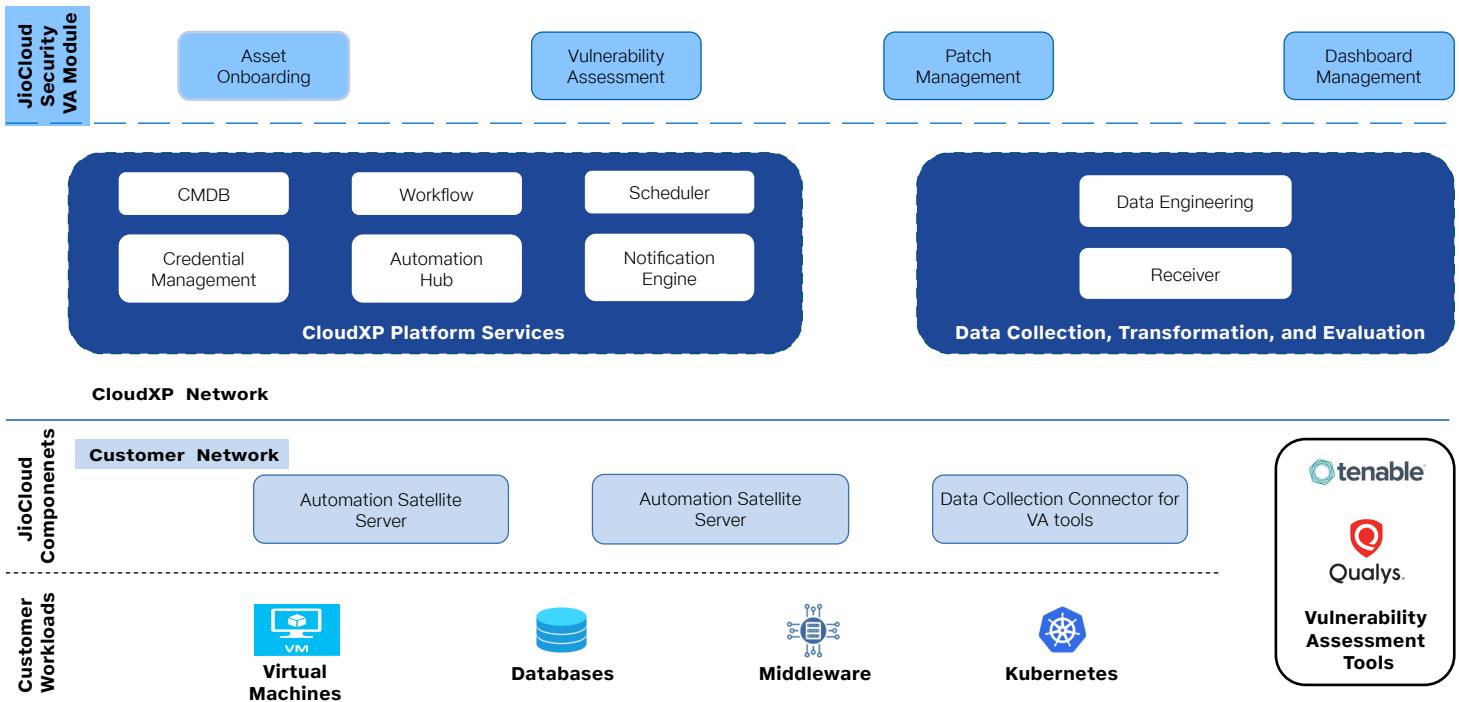
- **Up to 70% reduction in exposure**
Fix high-risk gaps before attackers can exploit them.
- **Automated patch cycles**
Eliminate spreadsheet tracking and manual change requests.
- **Stronger compliance posture**
Generate audit trails and meet SLAs without extra overhead.
- **Aligned security operations**
Focus on what matters most, based on context, not just counts.
- **Faster time to remediate**
Move from detection to fix in hours, not weeks.

Technologies Supported

Operating Systems

RHEL 7.x, 8.x, 9.x
Ubuntu 20.x, 22.x, 24.x
Windows 2019, 2022
Debian 11
SUSE 15
Alma Linux 9.x

Architecture Diagram



Use Cases

- Patch what matters first**
A new CVE affects production. JioCloud flags the impacted internet-facing assets and auto-schedules patches.
- Fix without manual intervention**
Automated patching — on your terms. Continuous scanning detects issues, the user sets the patch window, and JioCloud handles deployment, validation, and reporting.
- Govern exceptions with confidence**
When a legacy app cannot be patched, JioCloud enables a controlled exemption with mandatory business case logging, security controls, and automated expiry — balancing compliance with operational needs.