AUTONOMOUS PATCH MANAGEMENT

In today's increasingly complex IT and security environments, organizations face mounting challenges in managing and securing endpoints across increasingly complex IT and OT environments. The proliferation of devices, fragmented management tools, and a persistent skills gap in IT and security have left many enterprises exposed to cyber threats, regulatory penalties, and operational disruptions. Unpatched systems are prime targets for ransomware, data breaches, and compliance failures, driving up both risk and cost.

Traditional patch management approaches rely heavily on manual processes, disparate solutions, and cause slow decision cycles. These methods lack real-time endpoint intelligence, safe automation, and unified visibility, resulting in longer exposure windows and higher audit risk. The inability to orchestrate patching across enterprise IT toolchains and enforce policies consistently further weakens the security posture.

The root cause of these challenges lies in the fragmentation of workflows, tool sprawl, and the absence of integrated, intelligent automation.

Autonomous Patch Management, powered by Tanium's Autonomous IT Platform, addresses these issues head-on. By leveraging AI-driven insights, agentic workflows, and real-time endpoint intelligence, Tanium enables organizations to automate patching safely and at scale. Confidence scores and progressive ring deployments ensure that updates are rolled out efficiently, minimizing risk and manual effort.

The solution delivers high-level benefits including:

- Strengthened security resilience and compliance
- Reduced operational risk and cost
- Real time intelligence across the entire estate
- Accelerated patch cycles, deployment times, decision agility
- Unified visibility and reporting for IT and Security

With Tanium Autonomous Patch Management, organizations can confidently remediate vulnerabilities, maintain business continuity, and achieve audit readiness in a rapidly evolving threat landscape.

Autonomous

Autonomous Patch Management from Tanium leverages agentic workflows and AI-driven insights to guide safe change and automate remediation. Real-time intelligence surfaces vulnerabilities and actionable issues, enabling the platform to recommend and execute remediation actions with minimal manual intervention. Confidence scores and role-based access controls ensure that updates are deployed safely, while ring-based deployment workflows allow for staged rollouts and deferred targeting. No-to-low-code automation playbooks deliver consistency and efficiency across cross-functional workflows, allowing teams to reclaim time spent on repetitive tasks.

This autonomous approach not only closes security gaps but also empowers IT and security teams to focus on strategic initiatives. By automating investigation and remediation, Tanium accelerates patch cycles, improves compliance, and strengthens the overall security posture of the organization.

Integrated

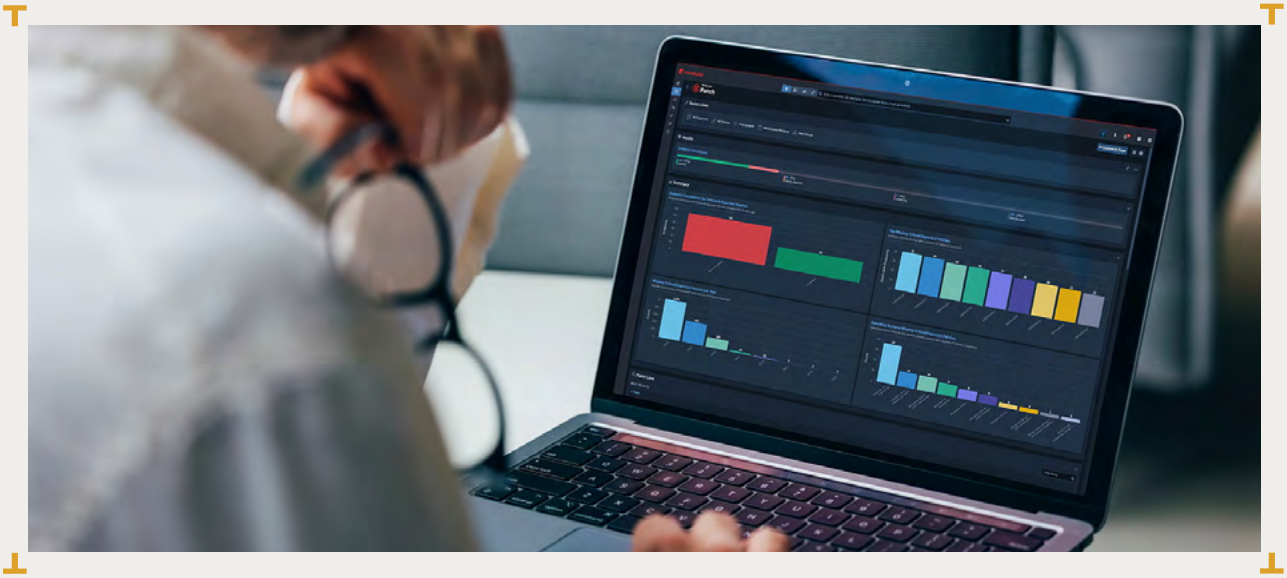
Integration is at the heart of Tanium's solution. The platform unifies asset context and health indicators, combining inventory and configuration data to inform decisions and trigger governed actions. Deep integration with IT Service Management (ITSM), identity, and security platforms streamlines workflows, enabling automated patching and policy enforcement. This unified process delivers consistent protection and compliance across IT, Cloud, and mobile environments.

By consolidating endpoint and exposure management into a single platform, Tanium eliminates tool sprawl and overlapping spend, reducing complexity and cost. Unified visibility and reporting empower teams to track compliance, exposure, and patching lifecycle in real time, simplifying audit readiness and reducing exposure risk. This integrated approach ensures that patch management is not an isolated function but a core component of enterprise security and operations.

Comprehensive

Autonomous Patch Management from Tanium provides complete, endpoint health and policy enforcement in real time across heterogeneous environments. The platform offers full visibility into asset state and coverage, supporting end-to-end audit trails for patching, software deployment, policy enforcement, and incident investigation. Declarative device management for Apple platforms and configuration management across IT, Cloud, and mobile assets ensure consistent governance and operational integrity.

Comprehensive coverage means organizations can confidently manage and secure their endpoints, regardless of location or device type. Real-time intelligence on risks and vulnerabilities empowers teams to identify, prioritize, and remediate issues at scale. The solution's ability to deliver accelerated actions, unified reporting, and continuous compliance sets it apart from fragmented, siloed approaches, thus enabling organizations to maintain operational integrity and meet regulatory requirements.



Conclusion

The Tanium Autonomous IT Platform accelerates decision agility, saves costs and strengthens resilience through integrated IT and security automations and AI.

Autonomous Patch Management from Tanium transforms endpoint security and operations by delivering autonomous, integrated, and comprehensive patching at scale. Organizations benefit from reduced risk, improved compliance, and increased efficiency, all within a unified platform that streamlines workflows and empowers teams to protect their business in a dynamic threat environment.

Explore more tactical use cases for Tanium autonomous patch management.

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Talk with an expert to learn how Tanium can automate your patching processes.

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