More Endpoints, More Vulnerabilities

Organizations have rapidly expanded their digital footprint. They have flooded their network with new endpoints, and created a new operating environment that is difficult to map, monitor, manage, and protect.

Organizations have attempted to secure this new endpoint-rich environment by adopting an expanding set of traditional endpoint protection (EPP) tools. Yet organizations are now realizing that many of these tools have not holistically improved their risk posture.

The Problem with Traditional Endpoint Protection Tools

Traditional endpoint protection tools fail to deliver a meaningful improvement to endpoint security and risk due to a few flaws inherent in their approach.

Traditional endpoint protection tools:

Narrowly focus on prevention alone when endpoint protection is a complex solution set that presents multiple opportunities to secure the environment against vulnerabilities and threats.

Provide a very limited scope and require organizations to adopt multiple endpoint protection tools that are often siloed from one another and difficult to manage as a cohesive whole.

Retain a chaotic endpoint environment with out-of-date operating systems and applications, on managed and unmanaged endpoints, with limited ability to reduce the volume and severity of incidents experienced.

In summary, traditional endpoint protection tools do not holistically improve an organization’s risk posture simply because they weren’t designed to do so. They have left organizations in a reactive position where they must continue to firefight an escalating volume of endpoint incidents—and to do so without any additional visibility or control over their endpoint environment than held prior to investing in these tools.

Clearly, a new approach to endpoint protection is needed.

A Comprehensive Approach to Endpoint Protection

Tanium’s unified endpoint security (UES) solution is founded on a more robust definition of endpoint protection (EPP) than traditional tools.

Built on the belief that endpoint protection should extend far beyond the application of preventative controls, Tanium’s approach takes into consideration that protection begins long before a security compromise makes itself known.

By taking this differentiated approach, Tanium has designed and built a faster, simpler, and more comprehensive solution package to replace the need for multiple endpoint protection tools.

This unified endpoint security solution packages critical hardening, detection, response, and reporting features. And by rethinking endpoint protection from the ground up, Tanium offers its customers the ability to identify the root causes of endpoint incidents, directly targeting and helping to disarm risk at critical steps along the way.

The result: Tanium helps identify, manage, and protect endpoints in the world’s largest and most complex environments—resolving risk at the root of the problem.
Why Tanium for EPP?

By replacing scattered, siloed, and legacy endpoint protection technology with a unified endpoint security solution, Tanium helps to make endpoint protection:

**Fast**
Find, flag, and fix vulnerabilities as they appear in your environment.

**Efficient**
Replace hundreds, or thousands, of servers with a single distributed instance.

**Flexible**
Enact change on a wide range of managed and unmanaged endpoints.

**Collaborative**
Gives multiple teams a shared tool and set of real-time data to work from.

**Scalable**
Scan enterprise-scale endpoint environments in minutes and rapidly cascade changes.

**Unified**
Drive critical endpoint protection and management tasks within a single console.

What Tomorrow Looks Like with Tanium’s EPP Solution

Tanium’s endpoint protection solution will help you:

- **Save Time and Effort**
  Streamline core endpoint protection activities and reduce the burden on IT.

- **Lower Operational Costs**
  Reduce the need for multiple EPP tools (that aren’t even delivering results).

- **Gain Visibility and Control**
  Leverage a suite of new endpoint capabilities that extend beyond prevention.

- **Reduce Endpoint Risk**
  Harden endpoints by reducing your systems’ attack surface.

- **Suffer Fewer Incidents**
  Raise the barrier to entry for malicious actors who seek to breach your environment.

- **Build a More Secure Environment**
  Perform a fundamental transformation of your environment’s risk posture.

As part of a unified endpoint security solution, helps you determine the root cause of your endpoint risk and gain visibility and control over your environments.

**Resolve the Root Cause of Your Endpoint Risk**

Most endpoint protection tools focus entirely on incident prevention and do little to create a more secure environment that is less prone to suffering incidents. Without hardening the environment, prevention controls deal with an impossibly large attack surface to defend.

Tanium takes a different approach. By targeting the root cause of endpoint risk—the lack of extensive and real-time visibility and control over the enterprise—Tanium’s EPP solution provides a comprehensive toolset to map, monitor, manage, and ultimately help protect the endpoint environment.

As a result, Tanium helps customers raise the barrier to entry for malicious actors and reduce the volume and severity of incidents they experience. When incidents occur, Tanium’s built-in tools help detect, investigate, and respond to threats.
Gain Visibility and Control Over Your Environment

With Tanium, drive meaningful transformation of your environment’s security and risk posture. Develop a comprehensive picture of your endpoint environment and deploy tools to take the appropriate action needed to address what you find.

Endpoint Visibility

Tanium creates a comprehensive view of your endpoint environment, including both managed and unmanaged endpoints, as well as endpoints you didn’t know were connected to your network, but which still impact your risk posture.

With real-time visibility into your environment, monitor endpoints as a whole, or at the granular level of any individual endpoint.

Once adopted, Tanium gives you the ability to ask questions, to your endpoints, at any time, and receive your answer in minutes, helping you:

- Map your endpoint environment.
- Connect forensic data sources.
- Discover hidden, unmanaged endpoints.
- Reveal vulnerabilities, including unpatched and misconfigured assets.
- Quickly achieve data collection and visibility, including sensitive data.

Endpoint Control

Tanium provides the ability to enact a wide range of changes on your managed endpoints remotely—from within the solution’s console or through public APIs—eliminating the need to physically collect and interact with suspected endpoints.

Tanium can also install an agent on previously unmanaged endpoints, such as shadow IT and legacy systems, increasing your control over your environment.

With Tanium, act as bluntly or as surgically as you need to help secure your endpoint environment in a few minutes, with just a few clicks. Specifically, Tanium offers the ability to:

- Take remote action from a single console.
- Apply patches and software updates.
- Enforce configurations and security controls.
- Remediate compromised endpoints.
- Install the agent on unmanaged endpoints.
Perform Endpoint Protection Actions from One Console

Tanium’s unified endpoint security solution packages all three core features of endpoint protection identified below into a single solution. A simple, intuitive console provides the ability to switch seamlessly among these critical actions:

<table>
<thead>
<tr>
<th>Core Feature One: End-to-End Hardening</th>
<th>Core Feature Two: Integrated Detection and Response</th>
<th>Core Feature Three: Consolidated Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Find exploitable endpoints that need to be hardened.</td>
<td>1. Integrate internal and third-party threat intelligence feeds.</td>
<td>1. Develop real-time data for core operational and security metrics.</td>
</tr>
<tr>
<td>2. Identify the hardening actions required.</td>
<td>2. Detect conventional, advanced, and file-less threats.</td>
<td>2. Track compliance, risk, and more with one unified solution.</td>
</tr>
<tr>
<td>3. Help fortify one endpoint, or multiple related endpoints, with a single click.</td>
<td>3. Create indicators of compromise.</td>
<td>3. Visualize 30-day trends on security controls and incidents.</td>
</tr>
<tr>
<td>5. Reduce cycle time and infrastructure requirements for patch management.</td>
<td>5. Expand incident visibility with in-depth historical telemetry.</td>
<td>5. Automate report generation and distribution.</td>
</tr>
<tr>
<td>6. Help ensure system updates are completed in a timely manner.</td>
<td>6. Leverage guided investigation and response.</td>
<td>6. Export data to multiple formats.</td>
</tr>
<tr>
<td>7. Automate core hardening activities.</td>
<td>7. Perform automated and manual remediation actions.</td>
<td>7. Integrate data with external reporting or orchestration platforms.</td>
</tr>
<tr>
<td>8. Harden both managed and seemingly unmanageable devices.</td>
<td>8. Respond in minutes with remote commands.</td>
<td>8. Use a suite of common, out-of-the-box reports.</td>
</tr>
</tbody>
</table>
Go Beyond Prevention and Develop Defense-in-Depth

With Tanium, gain a comprehensive approach to endpoint protection that extends your defenses to layers that most conventional solutions ignore.

Layer 1—Asset Visibility and Management
You can’t defend your endpoint environment if you don’t know what’s in it. Maintain a comprehensive picture of known and unknown endpoints impacting your security and risk posture.

Layer 2—Attack Surface Reduction
Malicious actors will often take advantage of known exploits in operations and applications. Help ensure your systems are up-to-date and raise the barrier to entry into your environment.

Layer 3—Risk Definition and Management
You can’t patch everything, and you can’t remove every unmanageable system from your environment. Know your vulnerabilities and develop a criticality and risk profile.

Layer 4—Preventative Controls
The traditional definition of “endpoint protection” is incomplete. Leverage your criticality and risk profile to manage an efficiently, accurately, and precisely applied layer of controls, including:
- Antivirus
- Antimalware
- Firewalls
- Disk Encryption
- Application Whitelisting and Blacklisting
- USB Device Control

Layer 5—Detection and Response
Some incidents are inescapable. Retain the ability to identify issues quickly, investigate them thoroughly, and perform remediation actions before the threat causes real harm.
Build Mature Endpoint Protection in Four Simple Steps

Tanium delivers enhanced endpoint protection through unified endpoint security that increases in effectiveness the longer you use it. Many of our customers follow a modern process similar to below, which more adequately addresses the endpoint protection challenges present in today’s environments to develop a more mature risk posture.

**STEP 1**
**Create visibility**
by performing a security assessment and mapping their current endpoint environment.

*Tanium typically finds 10-20 percent more managed and unmanaged endpoints than our clients knew they had.*

**STEP 2**
**Find vulnerabilities**
by discovering endpoints that are unpatched, outdated, or have other known issues.

*Tanium typically finds hundreds or thousands of instances that are not identified by our clients’ existing solutions.*

**STEP 3**
**Implement controls**
by evaluating existing security controls and find gaps in their current protection efforts.

*Tanium typically finds outdated antivirus, security policies not being applied, and other gaps in our customers’ posture.*

**STEP 4**
**Establish monitoring**
and ensure that now-secure environments don’t develop new security issues.

*Tanium continuously monitors for misconfigurations, movements to non-compliance, and other signs of compromise.*
Deliver Results from Day One

Tanium’s endpoint protection solution is lightweight, extensible, and simple to implement for frontline users and back-end engineers. Built to deliver meaningful outcomes, Tanium’s unified endpoint security solution package is differentiated by its modern approach.

Single Agent
Eliminate the need for a range of different endpoint protection vendors, tools, and consoles. Consolidate your core activities and responsibilities into a single lightweight agent that has been designed from the ground up to integrate its modules into a seamless suite of capabilities.

Distributed Architecture
Remove the dozens, hundreds, or even thousands of servers you operate to achieve endpoint visibility, management, and protection. Replace them with a single Tanium instance that scales effortlessly alongside your environment.

Conservation Model Breadth
Tanium can be deployed on-premises, in the cloud, or through managed services where our Tanium engineers will handle updates, upgrades, and ongoing maintenance of the infrastructure for you. Deployed to fit your needs, Tanium is reliable, lightweight, and increasingly easy to use and load every day.

Open API Integrations
Connect to other solutions through Tanium’s friendly API. Tanium works well out-of-the-box with many other vendors and orchestration platforms. We make it easy to extract data from Tanium to aggregate, centralize, and analyze it as part of your broader security strategy.

Workflow Automation
Streamline and standardize processes. Tanium provides the ability to create custom automated workflows of your daily tasks, progressively reducing the burden on your internal IT operations and security teams, and freeing them to work on bigger problems.

Support and Training
Every Tanium client receives one or more Technical Account Managers (TAM). Yours will partner directly with you, guide you through a smooth implementation process, and provide ongoing white-glove service to help ensure you receive meaningful value and results from your solution.

Who It’s For: Organization-Wide Outcomes
Tanium offers role-based access that allows users from multiple groups to safely use the solution at the same time, and cascades benefits throughout your entire organization.

IT Operations
Apply patches, deploy applications, and help ensure systems are running properly.

IT Security
Triage alerts, receive recommended root causes for threats, and respond to incidents.

Leadership and Management
Save time, reduce point solutions, and gain visibility and control over your environment.

Organization as a Whole
Lower your risk, improve your fundamental security posture, and reduce expenses.
Real Clients, Real Results: Tanium EPP

Tanium’s unified endpoint security platform has delivered effective endpoint protection in the most demanding environments.

Global Law Firm

“Our ability to respond to incidents was slower than we needed it to be. Tanium has made the team much faster.”

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Before Tanium</th>
<th>After Tanium</th>
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<tr>
<td>Meeting their heavily regulated client’s security requirements for</td>
<td>Incident and response teams had to connect directly to compromised endpoints,</td>
<td>Endpoint visibility accelerated from weeks to minutes, and endpoint triaging</td>
</tr>
<tr>
<td>incident response, patching, and the like.</td>
<td>requiring travel or shipment of the endpoint, and either hours or days to</td>
<td>and remediation activities now occur remotely, accelerating incident response.</td>
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<tr>
<td></td>
<td>complete the task.</td>
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</table>

Global Retail Group

“We can rely on Tanium to become our single point of visibility and control, to manage and secure our enterprise and to bring new levels of investment efficiencies.”

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<td>Lack of visibility, and manual incident remediation, across a distributed</td>
<td>Inefficient endpoint protection actions that required up to a week to resolve</td>
<td>Endpoint protection activities that required nearly one week to complete are</td>
</tr>
<tr>
<td>global organization of 25,000 employees.</td>
<td>critical issues, and left compromised machines exposed for days.</td>
<td>now completed in less than one day—in some cases, in less than four hours.</td>
</tr>
</tbody>
</table>
Tanium Is Built to Address Today’s Challenges

Tanium is designed to deliver fundamental, holistic and, above all, effective endpoint protection for the most demanding and complex operational environments. In most cases, our out-of-the-box solutions, modules, and workflows provide the tools our clients require to gain visibility and control over their endpoint environments.

But we also provide white-glove, hands-on customized services for clients with unique situations that no out-of-the-box solution can address. We offer a menu of enterprise services for clients with particularly complex endpoint environments that demand augmented or entirely original use cases of Tanium’s endpoint protection solution.

Regardless of your challenges—Tanium is built to overcome them.

Bring Tanium’s Endpoint Protection to Your Organization

To learn more about how Tanium can offer a helping hand—today and tomorrow—please select the next step that is most appropriate for your unique context.

Discover Your Gaps

Request an IT Gap Assessment to gain visibility into your current IT hygiene and to measure your current Cyber Risk Score.

Demo Our Solution

Schedule a demonstration to see Tanium live and to visualize exactly how our solution can transform your endpoint management and security.

Deploy Tanium Now

Bring Tanium to your organization as quickly as possible, and quickly gain visibility and control over your endpoint environment with a custom POC.

About Us

Tanium provides unified endpoint management and security built for the world’s most demanding IT environments. Many of the world’s largest and most sophisticated organizations — including nearly half of the Fortune 100, all six branches of the US Armed Forces, and over 70 percent of the top retailers and financial institutions — trust Tanium to help them confidently manage performance, detect and respond to threats, and ensure compliance across their operations. Tanium ranks 7th on the Forbes list of “Top 100 Private Companies in Cloud Computing” for 2019 and 10th on FORTUNE’s list of the “100 Best Medium Workplaces.” Visit us at www.tanium.com and follow us on LinkedIn and Twitter.

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