



Mindtree

A Larsen & Toubro Group Company

Towards the Future of Threat and Vulnerability Management

Businesses are moving towards new possibilities to address system weaknesses by embracing a modern approach through Mindtree's Msecure platform.

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#ReimagineNewNormal



1. Introduction

Technology plays an important role in our lives, accelerated by the use of third-party built software components (3PP). The growing use of such common 3PP components on company assets, particularly those that process critical business data, introduces additional vulnerabilities and exposures. An example of these cases are incidents due to the Heartbleed and Shellshock with the famous OpenSSL suite, and the Bash shell that made millions of Linux systems vulnerable. For large companies with hundreds of products and services, the problem created by such vulnerabilities represents a risk that could be many orders higher in magnitude.

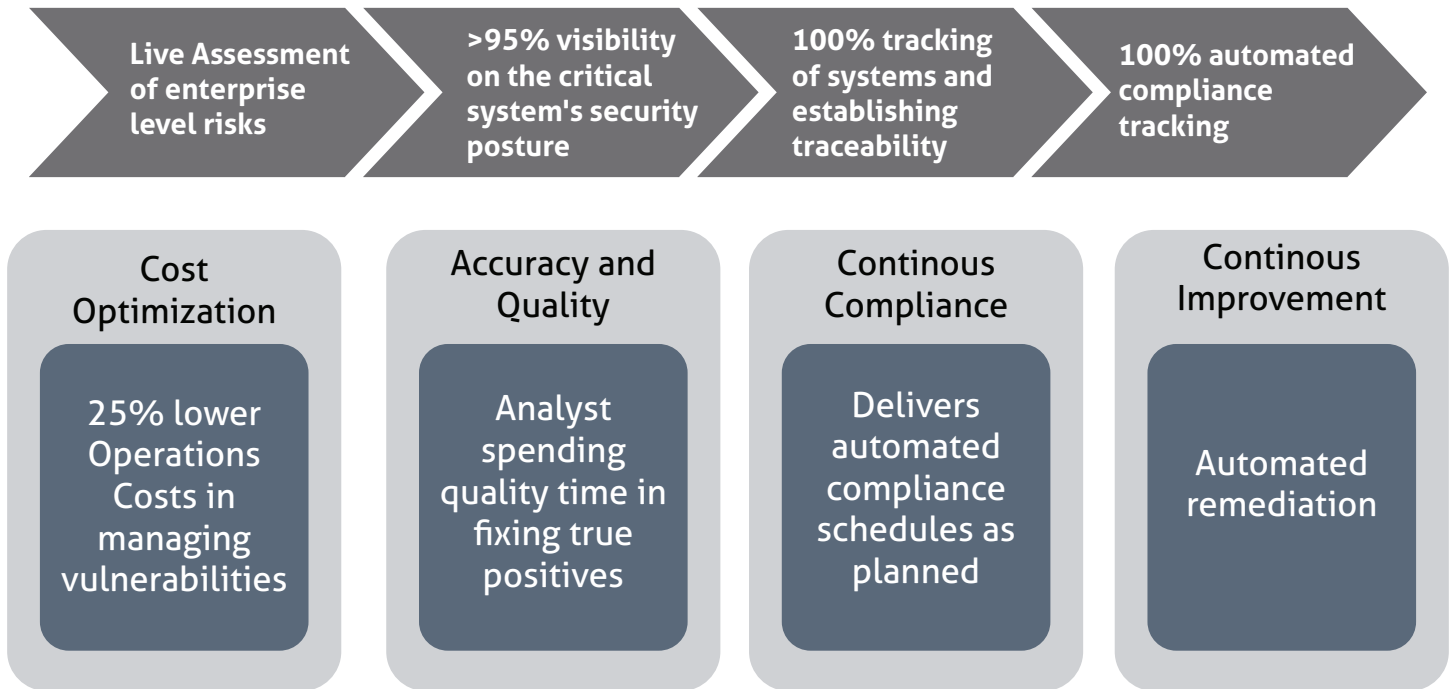
To be able to respond in a timely manner and minimize the risks associated, organizations require advanced vulnerability management capabilities, tools, and more effective processes. Another important challenge that exists within vulnerability management is timeline orchestration and setting up the priority between the security teams and the resolver groups.



Businesses face huge data risks and ransomware-type of attacks with a poor security management program.



Fortunately, Mindtree's Cyber Security offerings can help organizations build proactive measures and compensating controls to maintain their security posture. **MSecure-Threat Vulnerability Management (TVM)** Service is one of Mindtree's cyber-security platforms that proactively tracks the overall system-level risk in real-time. MSecure-TVM enables enterprises with proactive visibility to identify system risks as well as direct orchestration of the chain of activities across multiple teams to ensure critical events are addressed in a timely manner.



MSecure-TVM Service Benefits



2. About MSecure-TVM Service

Mindtree's MSecure-TVM Service serves as the backbone in reducing an organization's system exposure, hardening the endpoint surface area and increasing organizational resilience. Our service can be implemented as part of an IT vulnerability management program. It can also seamlessly integrate with existing processes to uplift response velocity.

Our MSecure-TVM Service helps organizations discover vulnerabilities and misconfigurations in real-time, based on data feeds, without having the need for agents or repetitive scans. It prioritizes vulnerabilities based on the threat landscape, sensitivity of information on critical assets, and the business context.



Single portal Assessment

Platform provide the single umbrella to plan the various scan plan

Assess the Infrastructure Application, Code Scan



Leverage Automation and Orchestration capabilities

Scale MSecure to any existing remediation process and migrate to a highly automated process



Streamline vulnerability remediation for whole organization

Standardize remediation with one consistent process across the organization



Centralize Vulnerability Remediation

Centralize Vulnerability scan logs from Network, AppSec and VA/PT solutions into one centralized console











Real time dashboards and reports

Provides for a centralized, 360-degree real-time vulnerability management dashboards and reports

3. MSecure-TVM Service Features

The MSecure-TVM Service consists of Mindtree’s feature-rich cyber security platform and our professional security services to deliver continuous vulnerability reduction, even for the most complex vulnerability management program.

- **Work on a vulnerability only once:** Vulnerability scans tend to report the same vulnerabilities over and over again, until such time that they are corrected and closed. If vulnerabilities are not addressed, then analysts will spend time repetitively analyzing them. MSecure-TVM can track such cases, orchestrate remediation activities, and close them, thus resulting in savings in analysis as well as reducing the overall risk score.
- **Integrated operation with multiple security tools:** Most security tools produce standalone results, which then require additional analyst time to consolidate and correlate multiple result sets to determine the enterprise system risk. In most organizations, the results are not quantifiable at the enterprise level. MSecure-TVM can deliver an assessment of overall system exposure and associated risks by correlating multiple reports, which provides a more accurate exposure vs risk for the enterprise.
- **Centralized management:** MSecure-TVM provides a centralized view and maximized use of data points to display overall progress, risk exposure, and rate of remediation.

 Single portal Assessment	<ul style="list-style-type: none">• Platform provide the single umbrella to plan the various scan plan• Assess the Infrastructure Application, Code Scan	 Leverage Automation and Orchestration capabilities	Scale MSecure to any existing remediation process and migrate to a highly automated process
 Work any Vulnerability once	Past attack and case database provides past vulnerability and its case details to security analysts automatically.	 Streamline vulnerability remediation for whole organization	Standardize remediation with one consistent process across the organization
 Centralize Vulnerability Remediation	Centralize Vulnerability scan logs from Network, AppSec and VA/PT solutions into one centralized console	 Tool Integration	<ul style="list-style-type: none">• Infrastructure, Application, Code Scan tool Integration• Customer Scan tool integration• Customer ticketing tool integration
 Eliminate Duplicates	Automatically eliminate recurring vulnerabilities	 Real time dashboards and reports	Provides for a centralized, 360-degree real-time vulnerability management dashboards and reports

4. MSecure-TVM Service Extensibility

The MSecure-TVM Service is built on a platform that supports integration with customers' toolsets to protect their existing tool investment. Native REST-API extensions provide seamless integration with your existing security toolset, and your tool capabilities are extended in a secure manner. We have ready API integrations for many leading security solutions and IT tools.



5. MSecure-TVM Single Operational Pane

The MSecure-TVM service provides a single operational view to execute and manage multiple tasks, and ensures that management and remediation activities are consistent with your organization's security policy.

Typical security toolsets	MSecure TVM
<ul style="list-style-type: none"> • Infra VA – Nessus or equivalent • Application VA – App spider or equivalent • Penetration test reports • Ansible or SCCM or equivalent for patch management • Multiple excel sheets for tracking the results • Multiple Dashboards for risk assessment 	<div data-bbox="580 1525 1129 1971"> </div> <div data-bbox="1161 1532 1497 1957"> <p>Assets Onboarding</p> <ul style="list-style-type: none"> • Onboard using XLS, CSV • Onboard from CMDB • Onboard through Discovery Scan • Add / edit /Modify <p>Plan and Execute Scan schedule</p> <ul style="list-style-type: none"> • Select Service • Choose the Scanner • Select Compliance (PCI, HIPAA, ISO, SOC2) • Schedule Scan <p>Results and Reports</p> <ul style="list-style-type: none"> • Risk Based • Timeline based • Vulnerability Focus • Asset Focus </div>

6. Conclusion

Organizations have been making investments and implementing pointed solutions to address vulnerability management challenges. Mindtree's Msecure TVM is modern and it also provides organizations with rewarding results.

- Accurately determines the vulnerability that exposes server risks to the enterprise which require immediate attention
- Whether a legacy or modern IT System landscape, MSecure-TVM service can deliver improved remediation velocity to align with your organization's goals
- Enable collaborative effort between security and IT support teams to support identifying and remediating the true positives
- Msecure TVM service integrates both technical and process layers, providing options to determine whether to eliminate, mitigate, or tolerate vulnerabilities based on risk and cost
- Brings visibility to attack vectors and supports in minimizing the attack surface

About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 300+ enterprise client engagements to break down silos, make sense of digital complexity and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of Continuous Delivery to spur business innovation. Operating in 18 countries and over 40 offices across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of over 21,000 entrepreneurial, collaborative and dedicated "Mindtree Minds."