Stay Secure: Timesys Vigiles — On-demand Monitoring for More Secure Products

Security notification tailored to your software platform + Patch/upgrade = Peace of mind

Maintaining your device's established security posture is no easy task. With the increasing rate of security vulnerabilities and the unpredictability of discoveries, keeping up with this manually is time-consuming, and it's just not feasible.

Every day, you need to keep up with newly issued CVEs by monitoring security databases and mailing lists and identifying CVEs which are relevant for the version of each software component included in your system. Once relevant issues are identified, you're still tasked with the process of finding and applying security updates and patches to your software.

Timesys Vigiles will:

- Notify you when known security issues (CVEs) that are specific to your product are found
- Provide you with the status (fixed or unfixed) of the vulnerabilities
- Provide you with links to the fixes
- Allow you to selectively apply updates and patches to your software

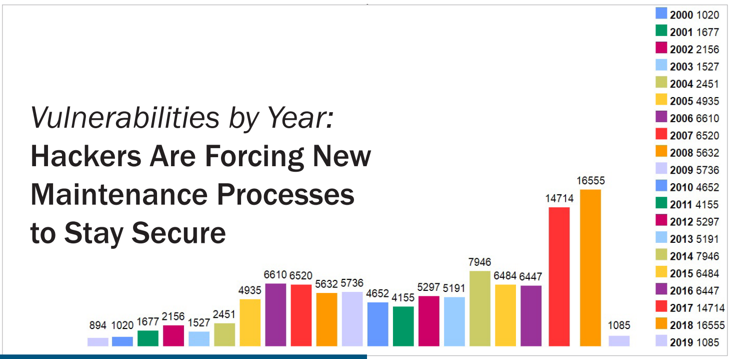
Vulnerabilities by Year: **Hackers Are Forcing New Maintenance Processes to Stay Secure**

Image source: cvedetails.com

Timesys Vigiles automated security vulnerability monitoring and patch notification helps to significantly reduce the time and costs associated with maintaining software security — our customers have proven ROI.

Timesys Vigiles enables you to more efficiently manage and maintain your device's security posture

Timesys Vigiles provides powerful Software Composition Analysis (SCA) and mitigation tools optimized for embedded system software projects. Rely on Timesys Vigiles automated security vulnerability and patch notification to help you:

- **Eliminate the time spent monitoring vulnerabilities** — Vigiles relieves your team of the burden of constant CVE monitoring and analyzing their impact. With Timesys Vigiles, you receive on-demand notification of only the vulnerabilities relevant to your software. And Vigiles uses Timesys curated data from multiple vulnerability feeds, enabling it to deliver expedited notification of new vulnerabilities as well as a monitoring process that is less prone to false positives and CVE misses.
- **Remain in control of security fixes** — You receive minimum kernel version information and a link to the corresponding patch. You can selectively apply patches ... so you decide what gets updated.
- **Stay Secure** — Our service helps you minimize the chance of your software being exploited. Because Vigiles makes it easier for you to manage vulnerability identification, assessment and patch/update integration, you can respond to CVEs rapidly and efficiently.

Timesys brings open source embedded software expertise to helping you stay secure

When you subscribe to Timesys Vigiles for your vulnerability monitoring and patch notification, we help you keep your embedded Linux based product secure in the most cost-efficient way possible. We've worked with hundreds of boards, on thousands of projects and with numerous build systems including: Yocto Project, Timesys Factory, Buildroot, PetaLinux, and LTIB. All of this experience has enabled us to streamline the entire process of monitoring, analyzing and responding to vulnerabilities for better embedded Linux security.

> *"Security is at the forefront of today's IoT issues as the discovery of new vulnerabilities and the rate of attacks continue to escalate. Improving security is becoming especially critical for IoT and IIoT devices because of the rapid expansion of deployments combined with the rise in botnet, bricking and other attacks against these smart devices. Timesys is bringing to market a timely solution, designed to make these devices more secure and maintain that improved security posture into the future."*
>
> – Roy Murdock, VDC Research

Timesys Vigiles options:

Activate Vigiles Free and get Prime FREE Evaluation for 30 days

Features	Vigiles Free	Vigiles Plus	Vigiles Prime
Duration/term	Free	Yearly subscription	Yearly subscription
CVEs affecting your software components	Detailed	Detailed	Detailed
Push notifications of vulnerabilities	Summary	Detailed	Detailed
Track multiple Software Bill of Materials (BOMs)/manifests	Limited to 1	Unlimited per product family	Unlimited per product family
On-demand CVE report generation via Web	✓	✓	✓
On-demand CVE report generation via command line	Summary	Detailed	Detailed
CVE summary by severity, status, and software package	✓	✓	✓
Build system support: Yocto, Buildroot, and Timesys Factory	✓	✓	✓
Upload Software BOM or create one using Web wizard	✓	✓	✓
Software License information (Yocto & Buildroot only)	✓	✓	✓
Filter based on Component or Status	✓	✓	✓
CVE search tool for Timesys curated CVE database	✓	✓	✓
CVE report history with CVE trend plot	✓	✓	✓
CVE report sharing	✓	✓	✓
Early CVE notification		✓	✓
Team sharing and CVE mitigation collaboration tools		✓	✓
Continuously track specific issues and CVE status changes		✓	✓
Integration with Jira for streamlined vulnerability issue tracking & management		✓	✓
Whitelist already reviewed CVEs to streamline reviews		✓	✓
Filter reports by severity (CVSS) score or attack vector		✓	✓
Software BOM/Manifest editor and revision management		✓	✓
Download reports in different formats		✓	✓
Comparison of changes between builds/releases (SBOM/manifest difference)		✓	✓
Comparison of reports for new and changed CVEs		✓	✓
Custom vulnerability score/prioritization and filtering			✓
Reference links to available patches, mitigation, and exploits			✓
Link to mainline kernel fix commit for Linux kernel CVEs			✓
Minimum kernel version with a fix for a kernel CVE			✓
Filter reports based on kernel and U-Boot configuration			✓
Suggested fix for OSS CVE remediation			✓
Access to free Vigiles Quick Start Education Program			✓

Start detecting vulnerabilities for your specific project in 30 minutes or less with the Vigiles Quick Start Education Program. It's free for Vigiles customers and Prime Trial users. Learn more at **www.timesys.com/security/vigiles-quick-start-program/**

To learn more about Timesys Vigiles, email us at sales@timesys.com or call us at **1.866.392.4897** (toll-free) or **+1.412.232.3250** to schedule a complimentary, no-obligation consultation.

Disclaimer: *Security is an ongoing process and is not foolproof. Timesys' security offering provides assistance with minimizing known vulnerabilities based on known issues, but doesn't have any warranty.*

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