Device Security Has Become a Strategic Imperative

The recent proliferation of connected device vulnerabilities and offensive activities has pushed customers and regulatory agencies to rapidly increase their demands for improved device security, while for device manufacturers and vendors it has significantly increased security-related risks to their business, reputation and bottom line. As a result, device security has become a strategic imperative for manufacturers, vendors, operators and service providers in multiple verticals, which requires them to quickly scale up their device security controls across all business units and product lines.

Automated Platform for Optimal Connected Device Security

The Vdoo Integrated Device Security Platform is the only automated device security platform that covers the entire device lifecycle – from design, development and testing to deployment and maintenance. Our platform provides everything companies need to secure their connected products including security analysis, gap resolution, compliance validation, embedded protection, operations monitoring and actionable insights. Our threat intelligence operations provide the most relevant and updated device-focused data which, combined with robust machine learning capabilities, becomes the basis on which the entire platform functions.

Security by Design

To ensure optimal security, all the right building blocks need to be baked into the device while it’s still being developed. This approach, called Security by Design, dramatically decreases the attack surface and tackles most cyber threats, making it very hard to exploit vulnerabilities even if they exist. By following the Security by Design process, the Vdoo device security platform ensures that security is properly implemented from the start so that all attack methods, from basic known ones to advanced unknown ones, are significantly weakened later on. This can also be done retroactively on devices that have already been deployed, allowing vendors to quickly fix critical security flaws.

Bottom-Line Impact

Vdoo’s unique platform and device-focused approach have helped leading companies across the globe rapidly scale up their device security capabilities. As a result, our customers have significantly reduced their overall security risks while shortening their time-to-market, reducing resource requirements and improving customer adoption.
How Vdoo Can Help You

Security Analysis
Quickly identify, prioritize, and manage your device security issues

Gap Resolution
Quickly and efficiently resolve security gaps without requiring security expertise

Compliance Validation
Validate your compliance with the leading security standards and regulations

Embedded Protection
Automatically create tailored agents that protect devices post-deployment

Operations Monitoring
Monitor device runtime data and new vulnerability alerts that are specific to your devices

Actionable Insights
Discover smart insights into device security issues and trends across your product portfolio

Benefit from Automated Security Across the Device Lifecycle

Reduce risk level
Proactively find and fix a broad range of product security exposures including potential zero-days

Strengthen the brand
Secure a competitive edge by improving customer adoption for secure products

Enable new business
Offer your customers holistic security solutions by providing device-related services

Shorten time-to-market
Automate processes to improve turnaround time while controlling related costs

Prioritize security gaps
Focus only on resolving the device-specific security exposures that really matter

Cut resource needs
Reduce security technology and service budgets, and the need for security experts

Control 3rd party security
Gain visibility into the security of code and components from the supply chain

Achieve compliance
Verify that products comply with relevant standards, regulations and internal policies

Drive decision making
Gather risk assessment and trend data for actionable insights into product security
Built on Industry-Leading Device Security Expertise

Vdoo's offering is built on the extensive experience of our team that includes world-class experts in embedded system architecture and vulnerability research, reverse engineering, and binary code analysis. The team has analyzed thousands of firmware images, hundreds of millions of binaries, and thousands of vulnerabilities to generate a vast device security knowledgebase and has so far discovered more than 300 new zero-day vulnerabilities.

Why Secure Your Devices with Vdoo?

- **Integrated**: Combines all the capabilities you currently get from multiple point solutions, both automated and manual, in a single solution.
- **Comprehensive**: Everything you need to ensure optimal device security, exactly when and where you need it, in a fully modular platform.
- **Smart & fast**: Provides you with highly accurate rapid results through automation and sophisticated machine learning algorithms.
- **Device-focused**: Helps you provide security that is specific to each device and aware of its attributes, components and configuration.
- **Full lifecycle**: Secures the entire device lifecycle – from design and development through to deployment and maintenance.
- **Easily scalable**: Rapidly secure devices across multiple business units through full visibility, actionable insights and seamless integrations.

**Key Statistics**

- **20,000** Device firmware images analyzed
- **304** New zero-day vulnerabilities discovered
- **100M** Binaries identified
- **1,100** Security requirements defined
- **1.5B** Devices impacted
- **5M** Third-party software files covered

About Vdoo

Vdoo was founded by serial entrepreneurs who previously sold cybersecurity company Cyvera to Palo Alto Networks, bringing with them extensive knowledge of endpoint and embedded system security. The company has raised $45 million from top-tier investors including 83North, Dell Technology Capital, WRVI Capital, GGV Capital, NTT DOCOMO and MS&AD ventures. Vdoo has offices in the US, Europe, Japan and Israel, and dozens of well-known global customers.

For additional information, please contact us at info@vdoo.com or visit our website at https://vdoo.com

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