DLM

Amplify Your Cybersecurity Team's Effectiveness by Improving Your Security Posture with ISS DLM Cumulus

HIGHLIGHTS

Product Design

Guided process that streamlines and automates the definition of cybersecurity controls for products, components and sub-components. Manages the end-to-end lifecycle to define, implement, test and validate that the controls have been implemented.

Manufacturing

Define your manufacturing sites and associated product relationships to monitor and get proactive alerts regarding the cybersecurity requirements with the manufacturing processes.

Governance

Generate real-time evidence that proves compliance and adherence to regulatory requirements, including controls to manage risks and ongoing monitoring of production and after sales processes.

Business Process

Enable real-time visibility into business processes to investigate product support and authorized capabilities related to cybersecurity.

Asset / SBOM

View the definition of assets and all transactional process data related to the specific product or design of a product.

As an Original Equipment Manufacturer (OEM), you face several challenges when launching new products, from development delays and increased costs to new cybersecurity regulations and standards. It becomes even more challenging to manage these risks when you factor in multiple suppliers and the end-to-end device lifecycle. To be successful, you need to amplify the efficiency and reach of your cybersecurity teams across the supply chain.

That's why INTEGRITY Security Services (ISS) developed the Device Lifecycle Management (DLM) Cumulus solution, an operational and cybersecurity focused asset management platform that allows you to quickly and easily define, administer and audit the security controls for all your devices. By streamlining your end-to-end product lifecycle, you can reduce time-to-market and costs to meet cybersecurity requirements. It also improves operational robustness by monitoring business-critical processes and sending proactive alerts that reduce time to resolution or prevent outages.

The DLM Cumulus SaaS platform makes it simpler and faster to:

DEFINE THE PRODUCT

You develop the specifications for the product in an intuitive web-based interface and measure the risks associated with the device. DLM Cumulus then delegates the tasks to meet the cybersecurity requirements and collect any compliance documentation needed for regulatory purposes.

SOURCE YOUR SUPPLIERS

You can have multiple suppliers respond to the product requirements and ensure they have the cybersecurity capabilities to meet them. Suppliers enter the associated software bill of material (SBOM) once in the cloud-based platform so it can be easily searched and used for other devices in the future.

TRACK DEVICE LIFECYCLE

You can track the end-to-end cybersecurity development lifecycle status of your product. And, since DLM Cumulus is part of the ISS DLM platform, you have a complete view from concept to decommissioning, including the ability to detect new vulnerabilities and manage any required updates in a secure fashion.
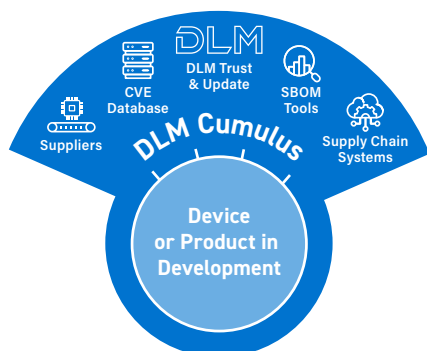
TEST SECURITY CONTROLS

You select from the ISS standards or industry regulations and apply the controls needed for each component. DLM Cumulus can then test product cybersecurity 'use cases' to ensure the security requirements are met and follow the relationships of capabilities within the specific product.

VIEW AND CREATE REPORTS

You can view specific device information using DLM Cumulus dashboards to gain insights into the product status and audit the specifications for compliance with industry requirements. You can also quickly generate the necessary reports to get the device certified to meet industry regulations.

End-to-end Process for the Complete Product Lifecycle

DLM Cumulus can help you define the operational and security requirements for each product while tracking them from the development process through the supply chain to deployment and decommissioning. This end-to-end view of the process is critical in ensuring security and compliance. Additionally, its cloud-based architecture enables you to provide secure, centralized access to critical information for your entire organization and supply chain.

REDUCE COST AND COMPLEXITY OF BUILDING SECURE DEVICES

Designing and building security that will last well beyond the life of the device is increasingly complex and costly. DLM Cumulus helps you maximize off-the-shelf cybersecurity capabilities within your supply chain to build more secure devices. It helps to ensure all components meet the required industry standards and can be updated to address any new vulnerabilities from birth to decommissioning.

COMPREHENSIVE AND UP-TO-DATE PRODUCT DEFINITION

To meet the various industry or corporate requirements, companies must implement the right security across all the components in their devices, systems and suppliers. Ideally, this end-to-end product cybersecurity management happens all in one place rather than across multiple applications or spreadsheets. DLM Cumulus offers a comprehensive and up-to-date view of the product definition, including the core design and unique variations of the device.

FASTER TIME-TO-MARKET WITH LESS RESOURCES NEEDED

Connected devices across industries need to meet stringent regulations from NIST, PCI, FDA and others. Meeting these requirements can take time and delay product launches. The broader ISS portfolio has the products you need to build in the required security faster. By delegating some of the work to track these requirements with suppliers, DLM Cumulus further reduces time-to-market by leveraging these inputs to produce the reports needed for quicker approvals.

Define requirements based on your architecture and threat model.

Simplify supplier vetting and delegate data collection.

Define the cyber blueprint for your product and collect required Bill of Materials

CONCEPT → **DEVELOPMENT: PRELIMINARY DESIGN** → **DEVELOPMENT: DETAILED DESIGN**

SYSTEM INTEGRATION → **SYSTEM DEVELOPMENT / OPERATION** → **SYSTEM SUSTAINMENT / END OF LIFE**

Seamlessly implement and integrate cyber controls with your supply chain.

Track the production lifecycle and manage vulnerabilities.

Perform investigations and analysis plus end of life decommissioning.

THE MOST EXPERIENCED PROVIDER OF EMBEDDED SECURITY PLATFORMS

INTEGRITY Security Services LLC (ISS) provides best-in-class embedded security products and infrastructure solutions for protecting smart connected devices from cyberattacks. With end-to-end solutions ranging from software toolkits to large-scale public key infrastructure and device lifecycle management, ISS secures over 2 billion devices across automotive, aerospace and defense, financial, medical and other industries. Trusted by some of the largest Fortune 100 companies, ISS signs and manages more than 3 billion software images per year and continues to lead the industry in security innovations.

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