

How KISA Relies on Cybellum's SBOM Management to Secure Infrastructure



Background

As a public institution, the Korea Internet & Security Agency (KISA) oversees cyber security in the private sector in Korea. As threats grow at the same pace as innovation, KISA's Convergence Security Certification team operates testbeds and IoT security certification systems to ensure they are ready to face the ever-evolving threat landscape that we know today.

Focusing on embedded security for IoT devices, the Convergence Security Certification team helps companies from design through development to ensure that the products, and the components within them, remain secure.

This is especially important in an era of new regulations, such as the EU's CRA and the FCC's Cyber Trust Mark, where companies must meet a minimum security standard to earn the trust of consumers across markets.

Today's need is tomorrow's requirement

Requiring a high quality of security and functionality across all product security activities, KISA set out to find a solution that not only met their needs but was able to work with them in a way that fit the existing processes of a public agency.

This meant:

- Reliable insights into files that lack Software Bills of Material (SBOMs) and supporting documents
- Analysis within the context of a product data into the asset repository to enrich asset information.
- Meeting internal policies as well as satisfying regulatory requirements from multiple agencies

”

As a testbed for groundbreaking products, it's critical that we can allow manufacturers to test the security posture of their products against real-world threats. The Product Security Platform" allows us to identify the make-up of embedded products, such as software components, and match them with risks and vulnerabilities to identify relevant device risk and address it accordingly

FIRST LAST of KISA's Convergence Security Certification team.

Choosing the Product Security Platform

After a thorough evaluation involving multiple options across the market, Cybellum's Product Security Platform proved to hold the extraction, analysis, and SBOM management capabilities needed to meet KISA's high standards.

Going beyond today's market realities, the Product Security Platform helps KISA manage product security activities throughout the entire product lifecycle. This is critical in meeting their mission of securing connected products at the moment while preparing for secure development and deployment in the future. Such a strong foundation allows them to support manufacturers while giving them the tools needed for the full product lifecycle.

Smooth implementation

Clear communication was key throughout the implementation process. This ensured a smooth rollout and delivered the functionalities the security team needed.

With the platform fully operational, the team gained access to powerful tools. These tools enabled them to automate firmware risk identification and streamline open-source compliance. This freed up resources from vulnerability management, allowing the team to focus on efficiently addressing product security gaps.

”

Working to secure emerging products is a responsibility we don't take lightly. Seeing as these products will be used for both consumer and business needs, we stayed by KISA's side during implementation and beyond to ensure they could focus on maximizing the product's capabilities for the greatest impact.

Eddie Lazebnik, VP Channel Sales at Cybellum

How KISA uses the platform to manage device risk

Beyond helping product security teams to more easily conduct and recall tasks, Cybellum helped to integrate into KISA's existing systems to implement smooth:

- Compliance-ready SBOM creation- By analyzing source code, binary files, hardware bills of materials (HBOM), and other data the Product Security Platform can produce complete SBOMs for use in vulnerability management and compliance.
- Full lifecycle SBOM management- The ability to merge multiple SBOMs to see the software as it stands that day as well as versions used throughout the device's history enables more accurate decision-making.
- Product SBOM view- View all the packages of the product's underlying components while being able to search for them for a specific software product across the full system. Reports can be easily generated to communicate findings across departments or organizations.



About us

CYBELLUM IS WHERE TEAMS DO PRODUCT SECURITY.

Top Automotive manufacturers such as Jaguar Land Rover, Nissan, Audi, and Faurecia use Cybellum's Product Security Platform and services to manage cybersecurity risk and compliance across business units and lifecycle stages. From Asset & SBOM Management to Assurance & Vulnerability Management, CSMS Management, and WP. 29 Compliance Validation, teams ensure their connected products are fundamentally secure and compliant – and stay that way.



Experience what product security can be. [Book a demo.](#)