



SEPTEMBER 30 – OCTOBER 1, 2025

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EXHIBITION CENTER

SBOMs in MedTech:

Ensuring Compliance, Security, and Innovation in a
Rapidly Evolving Regulatory Landscape

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Forces Driving the MedTech SBOM Imperative

- Regulatory pressure continues to escalate (524B, EU NIS2, FDA, EU CRA, etc.)
- Supply chain threats proliferate through third-party components
- Continuous post-market vigilance, timely responses to vulnerabilities expected
- Changing market dynamic with more customers demanding transparency

How MedTech Manufacturers Are Using SBOMs Today

- To improve supply chain visibility by tracking third-party components
- To identify risks by mapping SBOM components to known vulnerabilities
- To provide engineering teams visibility during the product build process
- For premarket submissions as required by FDA
- To respond to customer cybersecurity documentation requests

Where Manufacturers Go Wrong in SBOM Implementation

- Treating SBOMs as one-time artifacts, not evolving SBOMs across lifecycle
- Incomplete or shallow coverage of components
- Format inconsistency hindering interoperability
- Failure to operationalize - not linking SBOM into QMS, CAPA, other workflows
- Lack of post-market process for continuous monitoring and updates

How Leaders Get SBOMs Right

- Move beyond one-time SBOMs to continuous lifecycle management
- Ensure complete visibility across build and runtime components
- Integrate SBOMs into compliance workflows and processes
- Use SBOMs as a strategic enabler, building customer trust
- Measure and demonstrate tangible results, like time to deploy security patches

COMPANY OVERVIEW

Bayer is a global enterprise with core competencies in healthcare and agriculture. Their commitment to innovation and sustainability drives them to develop cutting-edge solutions that address some of the world's most pressing challenges.

As a leader in the life sciences industry, Bayer prioritizes transparency, security, and compliance to maintain trust with stakeholders and meet evolving regulatory requirements.



Case Study: Bayer

SOLUTION



Comprehensive SBOM Oversight: Unified data integration from both development and runtime environments to generate complete and actionable SBOMs.



Automated, Scalable Processes: Optimized workflows that minimize manual intervention, accelerating regulatory submissions.



Regulatory-Ready Compliance: Seamless alignment with FDA and international standards, supporting defect density metrics and versatile export formats (e.g., CycloneDX, SPDX, PDF, VEX).



Proactive Risk Management: Continuous risk assessment and prioritization, enabling real-time monitoring of vulnerabilities and their impact on specific products.

COMPANY OVERVIEW

Ascensia Diabetes Care is a global leader in medical device manufacturing, dedicated to improving the health and lives of people with diabetes.

Since its founding in 2016, Ascensia has been at the forefront of healthcare innovation. Headquartered in Basel, Switzerland, the company's commitment to advancing technology and improving patient outcomes sets it apart as a trusted name in diabetes care.



Case Study: Ascensia Diabetes Care

SOLUTION

Ascensia turned to Vigilant Ops to meet their SBOM management needs.



Holistic SBOM Management: Integration of data from development and runtime environments to create complete, actionable SBOMs.



Automation and Scalability: Streamlined workflows, reducing manual efforts and enabling more efficient regulatory submissions.



Compliance-Ready Capabilities: Alignment with FDA and global regulatory requirements, including defect density metrics and flexible export formats (e.g., CycloneDX, SPDX, PDF, VEX, etc.).



Risk Management: Continuous risk scoring and dispositioning to assess and monitor vulnerabilities' impact on specific products.

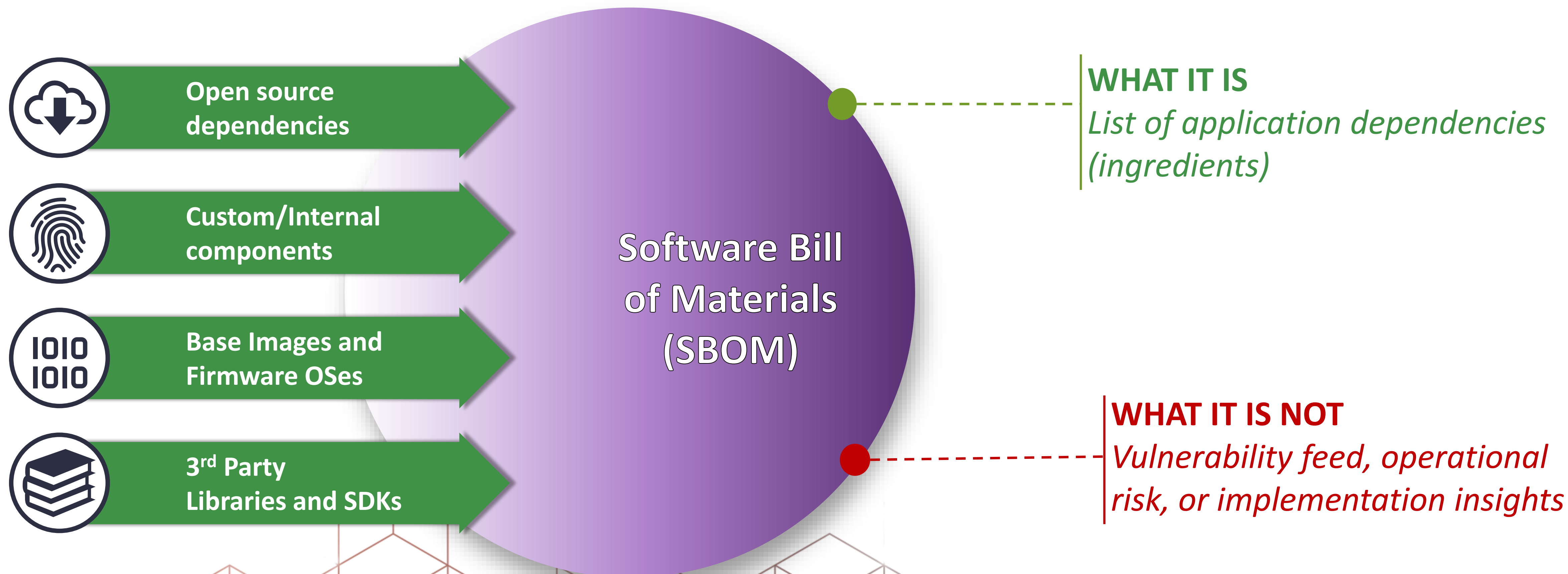
Looking beyond SBOMs to Workflows



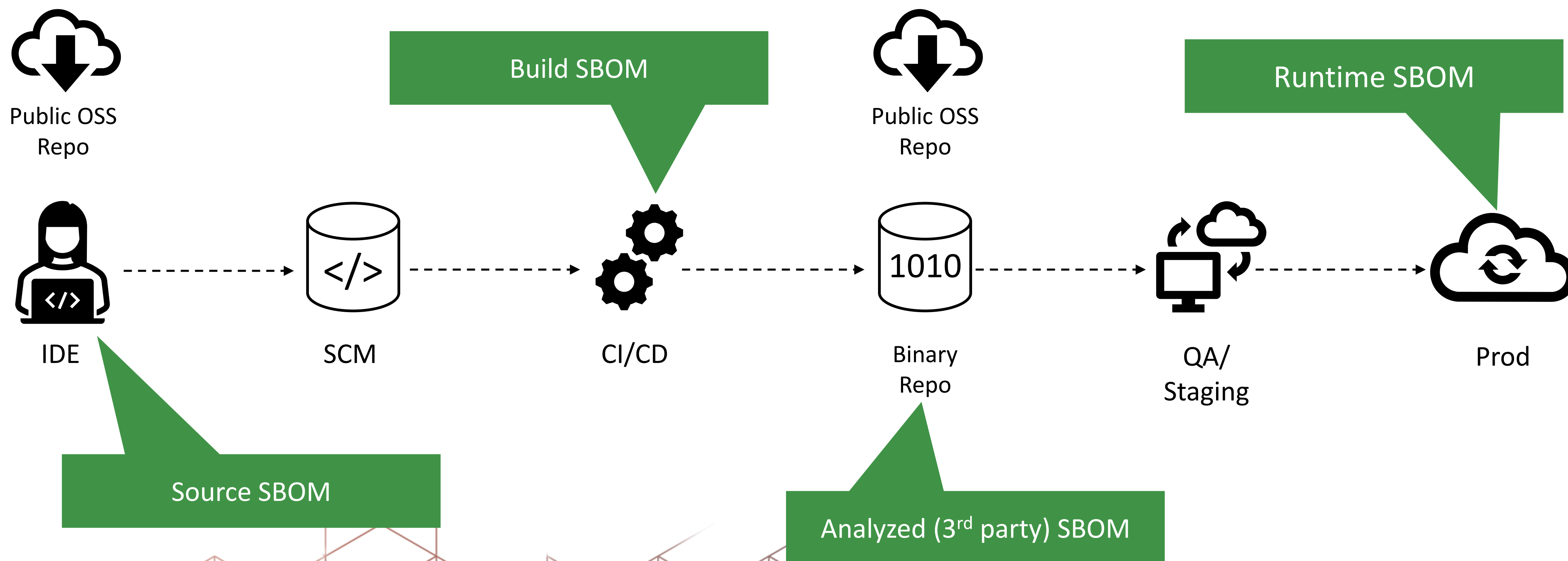
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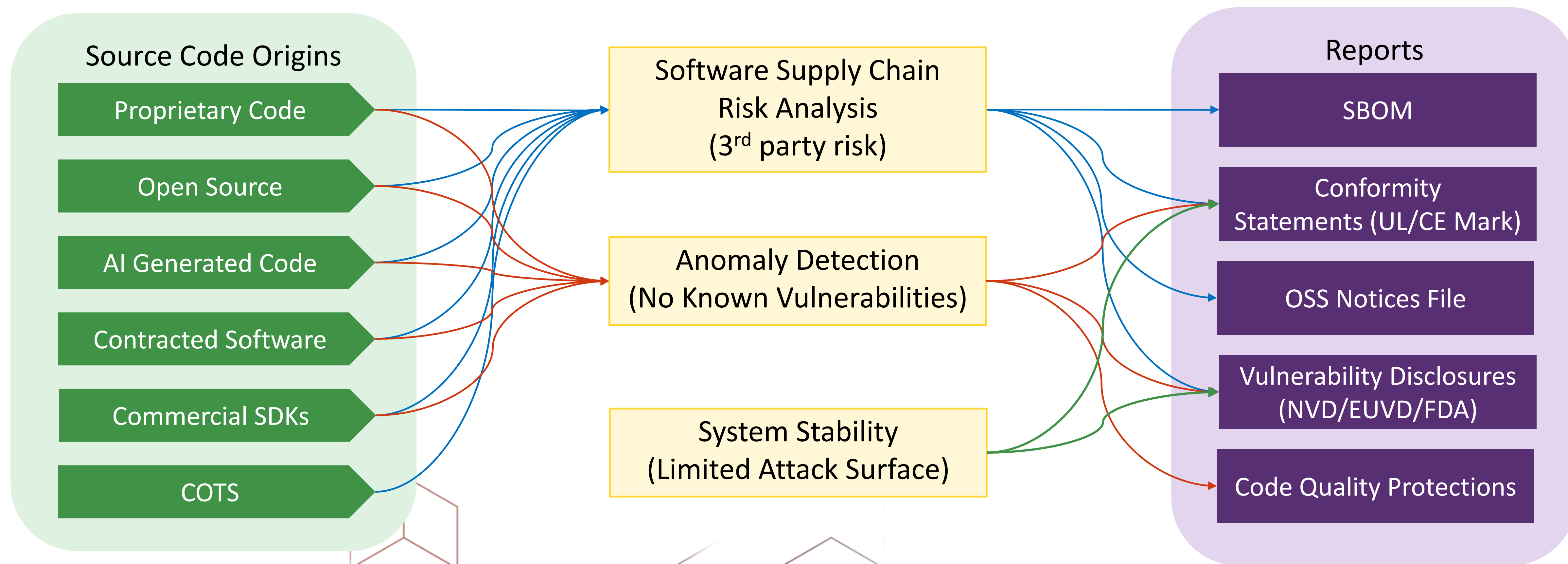
Comprehensive SBOMs identify the origin of all components



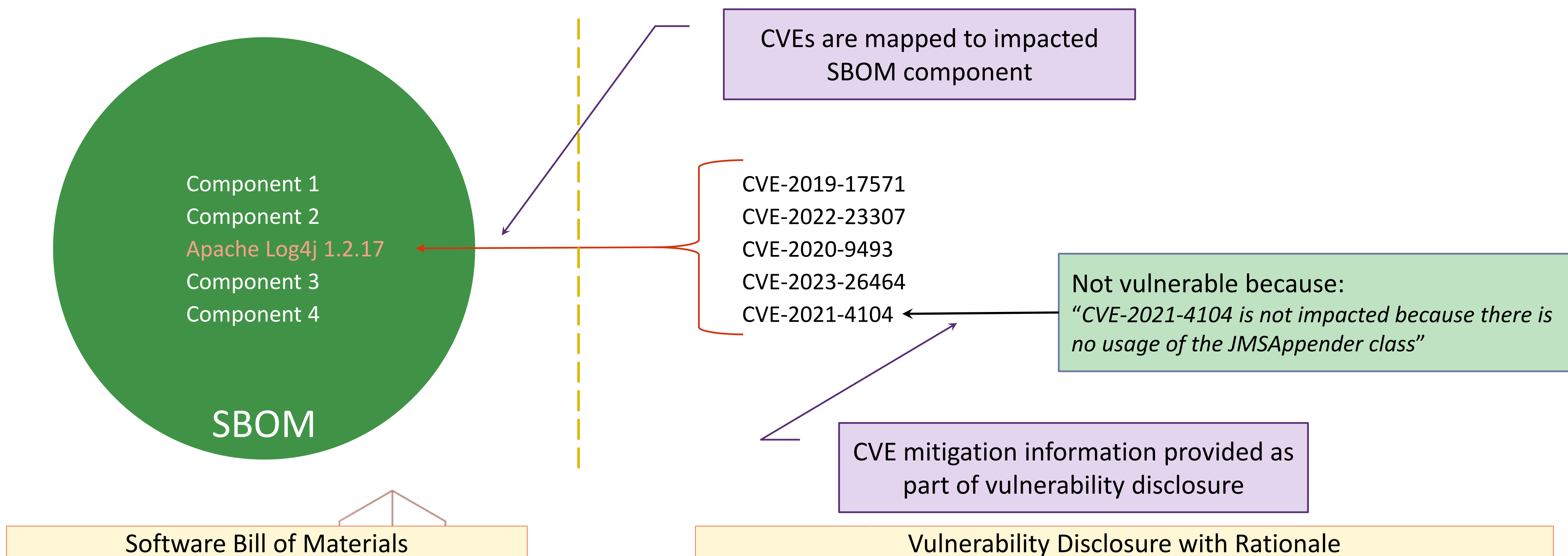
Knowing where an SBOM is created within the SDLC matters



SBOMs are part of a “Secure by Default” cyber-hazard analysis



Disclosing unpatched CVEs present at release or post-market

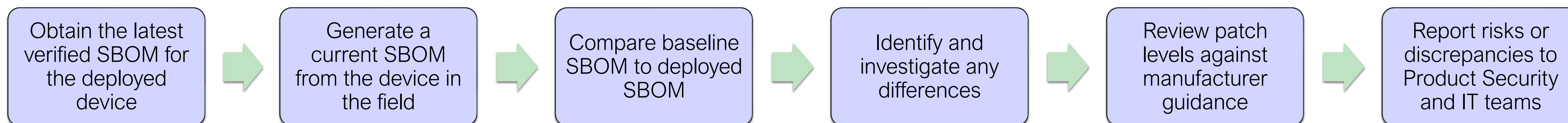


Scenario: Field servicing of software-enabled devices

Overview ♦ Use SBOMs to maintain, troubleshoot, and verify deployed devices over their operational life.

Key Actors ♦ Product Security ♦ Field Service ♦ Consumer IT ♦ Consumer Security

Process Steps

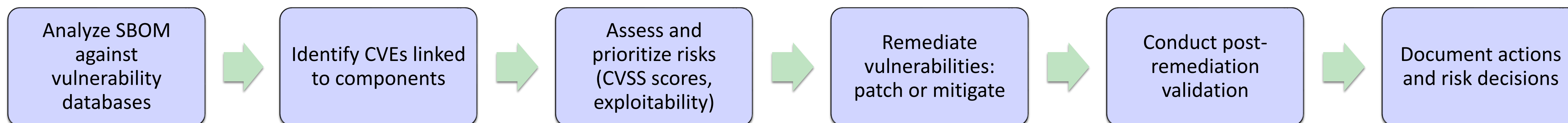


Scenario: Pre-deployment vulnerabilities and exposures

Overview ♦ Identify and mitigate vulnerabilities in software components before product release to minimize risk, compliance, and enhance trust

Key Actors ♦ Procurement ♦ Regulatory ♦ Engineering ♦ Product Security (PSIRT)

Process Steps

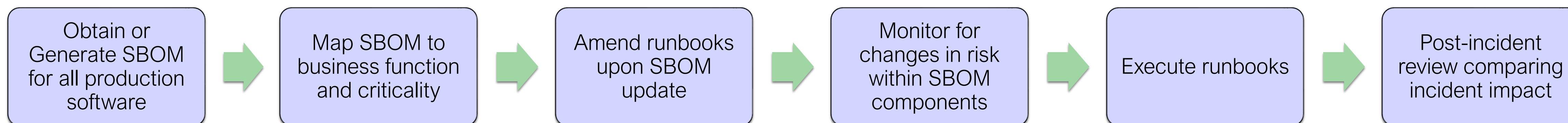


Scenario: Incident response

Overview ♦ Enhance incident response processes by enabling faster identification, containment, and remediation of incidents (e.g. Log4J)

Key Actors ♦ IT/DevSecOps ♦ Risk and Compliance ♦ Legal ♦ Engineering

Process Steps



Questions



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Thank You!



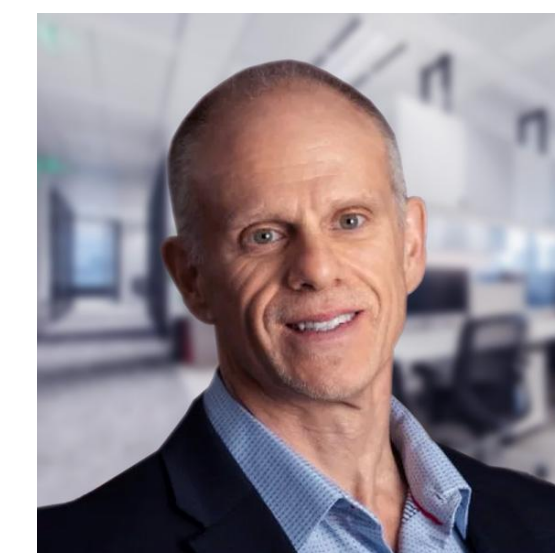
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