

# Software Transparency in SaaS Environments

SBOM-a-rama 2024

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[https://docs.google.com/document/d/1\\_yQgLhOEw-H5w9Dr3XbNYIIX8vLs59IJwLvJm4aHDVY/edit#heading=h.3kcprhiiv0b8](https://docs.google.com/document/d/1_yQgLhOEw-H5w9Dr3XbNYIIX8vLs59IJwLvJm4aHDVY/edit#heading=h.3kcprhiiv0b8)

# SBOM Differences and Limitations

1. Frequency of change for SaaS
2. Volume and shared origin of software and services involved - who is responsible?
3. Lack of definitive boundaries both horizontally and vertically
4. The opacity of SaaS systems

# SBOM Benefits by Persona

## Producer:

- Transparency for managing risk both for themselves and customers.
- Communicate information about services and practices.

## Operators:

- Transparency for managing risk both for themselves and customers.
- Communicate information about services and practices.
- Vulnerability Management.
- Accountability for vendors.

## Chooser:

- Accountability for vendors.
- Transparency in risk management.

## Subscribers (unique to cloud):

- Transparency in risk management.

# Examples of Where It Would be Useful

- CVE-2023-4863 - Webp Vulnerability Risk Identification
- Simplifying job of different personas
- Thin clients
- Web applications with 3<sup>rd</sup> party services
- Cloud Services

# Call to Action

- There are identified areas where more standardization is needed including an software interchange format to increase transparency. Advocate for this with your providers and peers.
- Everyone has a role in being part of the ownership/responsibility chain. Understand your own role and your providers.
- Request SBOM's from both your upstream and downstream solutions.

# Future Work

- Data Governance
- Service Availability Indicators
- Risk Indicators
- Transitive Service Dependency Considerations

# Acknowledgements

Adrian Diglio, Microsoft

Bhargav Vivekanandan, Blue Shield of California

Cassie Crossley, Schneider Electric

Charles Kelly, SAP

Christine O'Leary, Intel

Craig Rubin, HPE

Daniel Bardenstein, Manifest

Deanna Medina, Honeywell

Doug Cavit, Cavit and Hohman

Duncan Sparrell, sFractal Consulting

Emily Fesnak, Deloitte

Henry Yandell, AWS

Isaac Hepworth, Google

Ivana Atanasova, VMware

Ixchel Ruiz

Jeremiah Stoddard, INL

Jim Routh, Saviynt

Joerg Eschweiler

Joyabrata Ghosh, CARIAD SE

Lynn Westfall

Michael Greco, ServiceNow

Nisha Kumar, Oracle

Rene Pluis, Philips

Ricardo Reyes, Tidelift

Scott Armstrong, Interos

Shafia Zubair, JCI

Steve Springett, ServiceNow/OWASP

Tom Alrich

Trevi Housholder, Prudential

Victoria Ontiveros, CISA