CycloneDX Software Bill of Materials





About

Patrick Dwyer

- CycloneDX Core Working Group
- OSS Maintainer
- Dev Lead for a Government Organisation



patrick.dwyer@owasp.org

Food allergies

Food Labelling Standards

- Made in Australia from at least 95% Australian ingredients
- Malt extract from barley
- Allergen statement



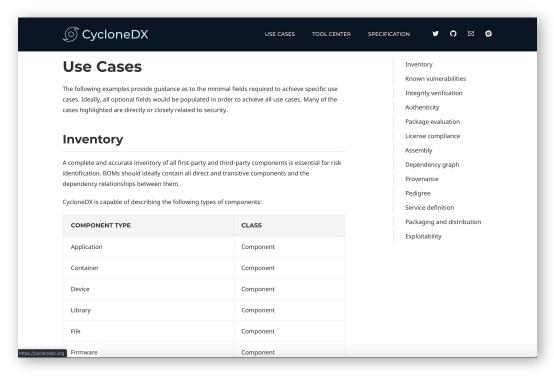
History

- Origins in the OWASP community
- Designed in May 2017
- Initial release in March 2018
- OWASP Dependency-Track was first adopter, many others followed
- CycloneDX v1.1 released in March 2019
- CycloneDX v1.2 released in May 2020
- Formal CycloneDX working group and standardization process in 2020
- Members of CycloneDX Core working group are OWASP leaders/members

The CycloneDX Approach

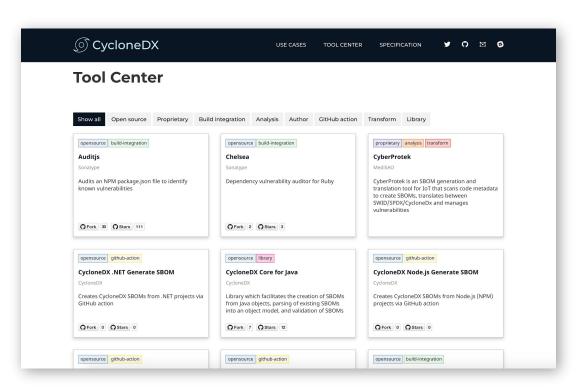
- Easy to adopt easy to contribute
- Identify risk to as many adopters as possible, as quickly as possible
- Avoid any/all blockers that prevent the identification of risk
- Continuous improvement Innovate quickly, improve over time
- Encourage innovation and competition through extensions
- Produce immutable and backward compatible releases
- Facts first Dynamic facts and observations enabled through extensions
- Automation and optimization of BOM creation
- Full-stack BOM specification

Use Case Examples



A collection of common use cases achievable with CycloneDX along with concrete examples in XML and JSON.





Tool Center

Community effort to establish a marketplace of free, open source, and proprietary tools and solutions that support CycloneDX.

Community Participation

- Website (introduction, use cases, tool center, and specification)
 - https://cyclonedx.org/
- GitHub
 - https://github.com/CycloneDX
- Slack
 - https://cyclonedx.org/slack
 - https://cyclonedx.org/slack/invite
- Mailing List
 - https://cyclonedx.org/discussion