

# AI/ML Bill of Materials

Model and dataset transparency for security, privacy, safety, and ethical considerations



OWASP FOUNDATION



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- Leader of OWASP Dependency-track
- Chair, OWASP CycloneDX Core WG
- Chair, Ecma Technical Committee 54
- Leader and co-author of OWASP SCVS
- Leader of Package URL standard
- OWASP Global Board of Directors
- Director, Product Security at ServiceNow



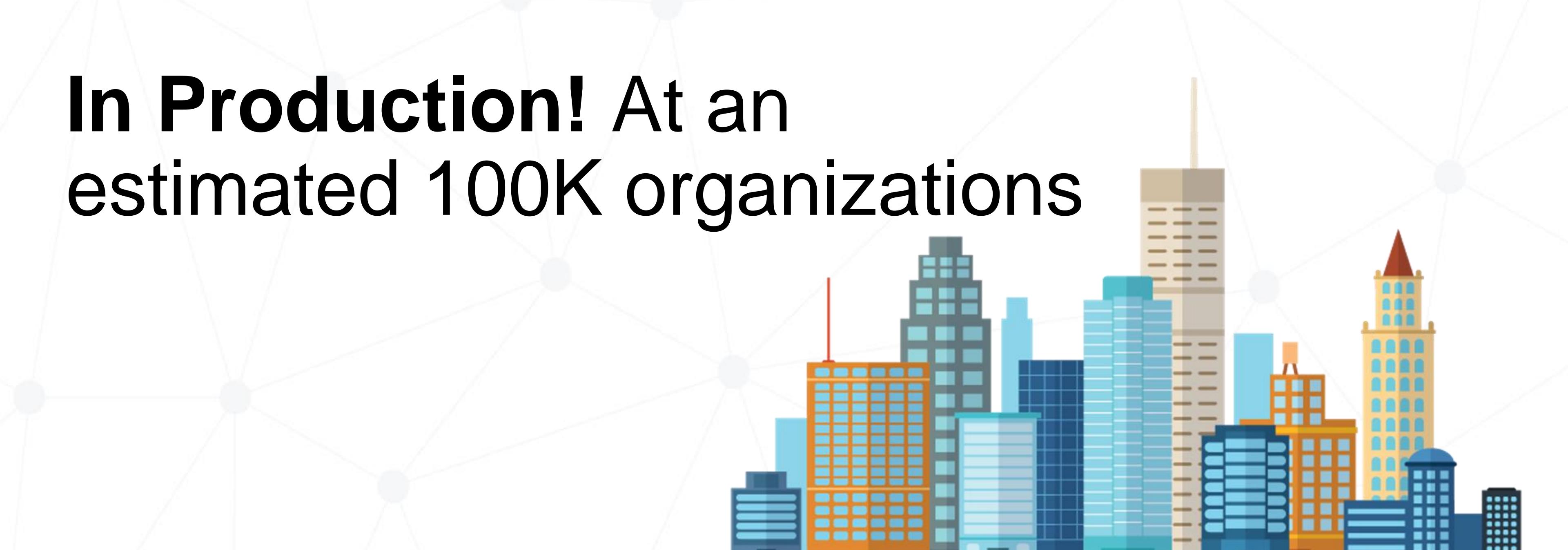
# CycloneDX is a Full Stack BOM Standard

Provides advanced supply chain capabilities for cyber risk reduction

# Community Driven

# Standardization Through











Source: Sonatype
One tool using a single source of vulnerability intelligence
Actual usage much greater

























































































































































































































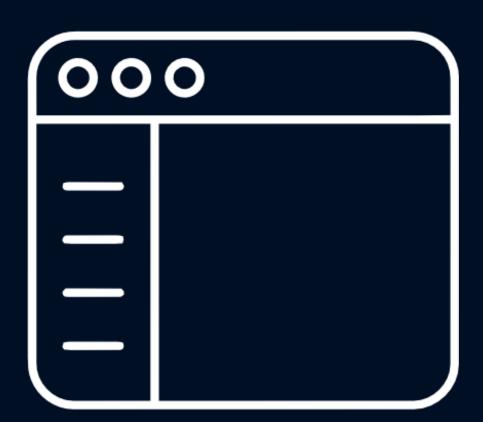






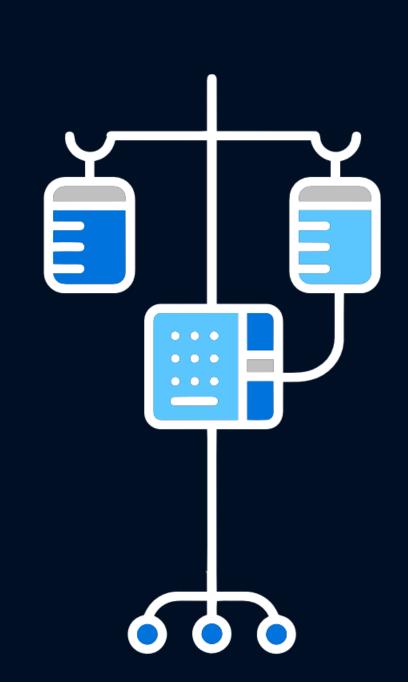


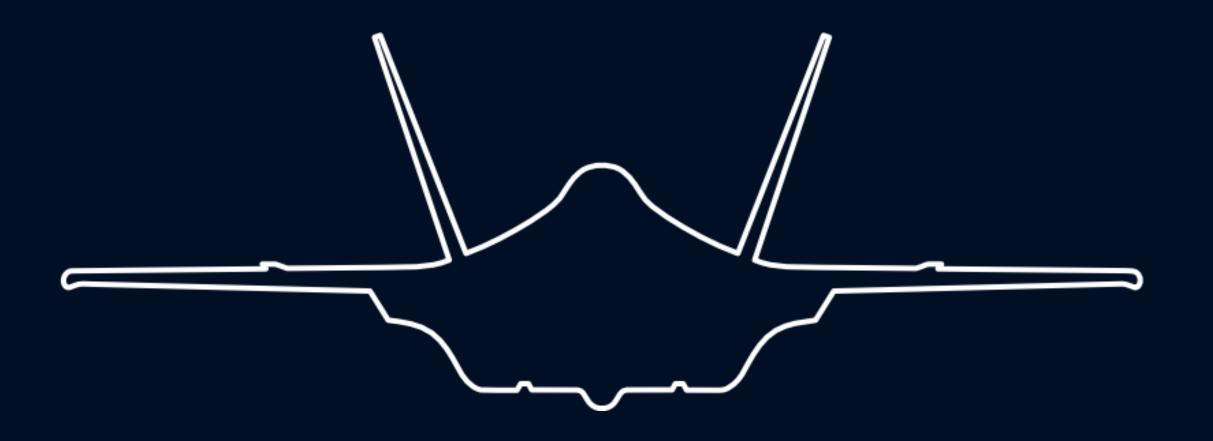


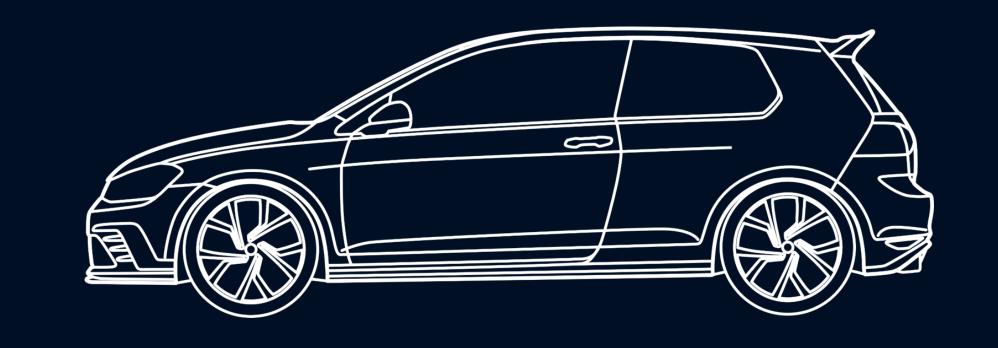




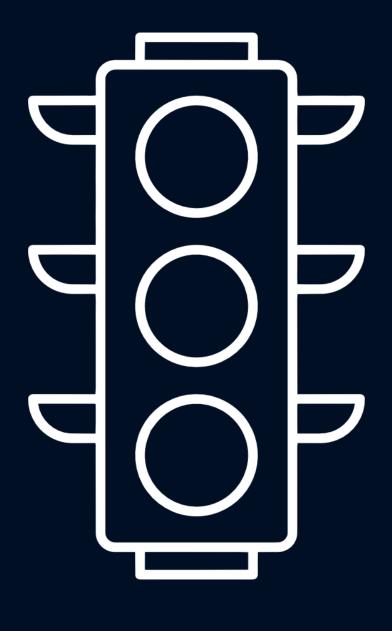


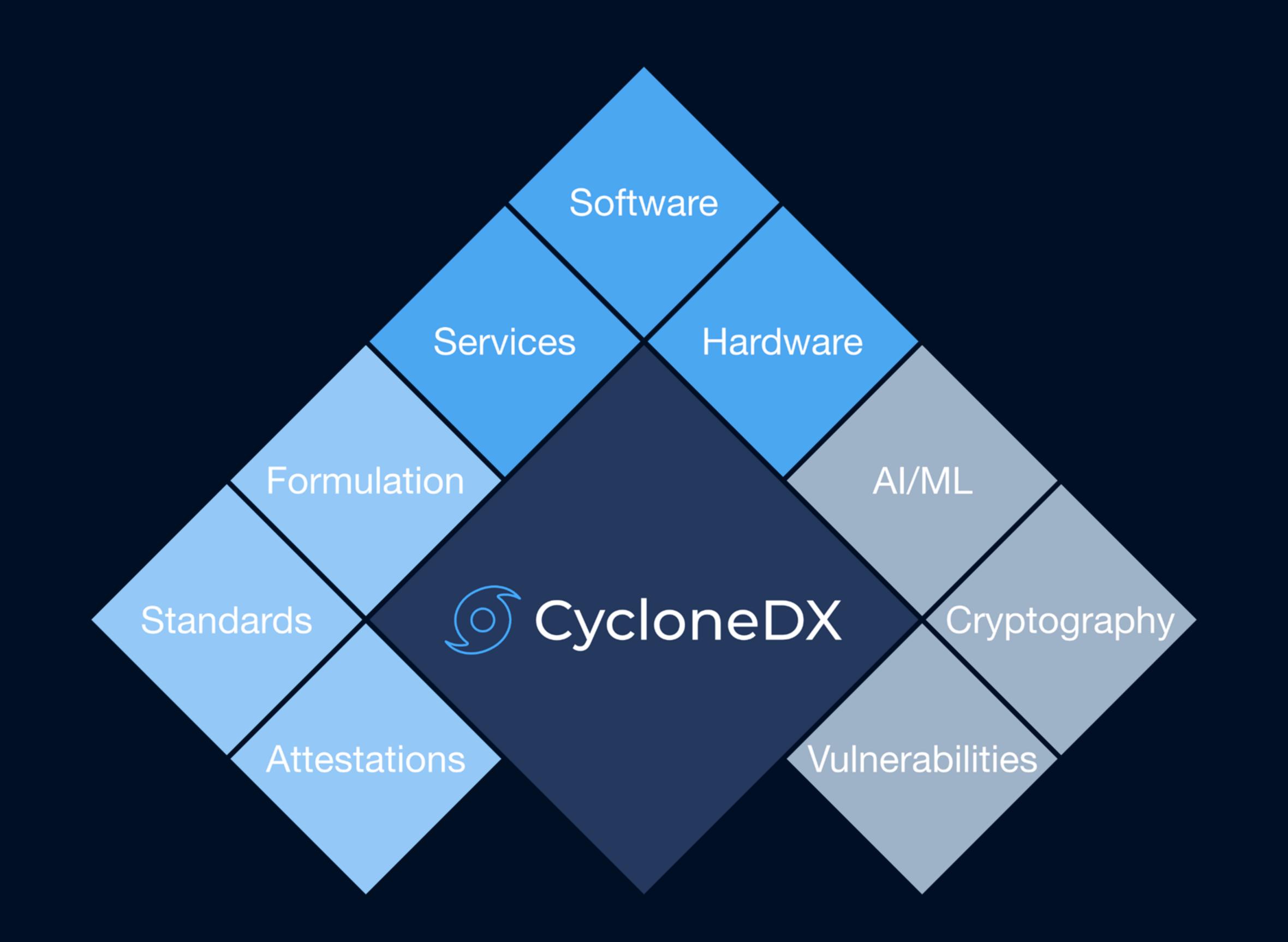


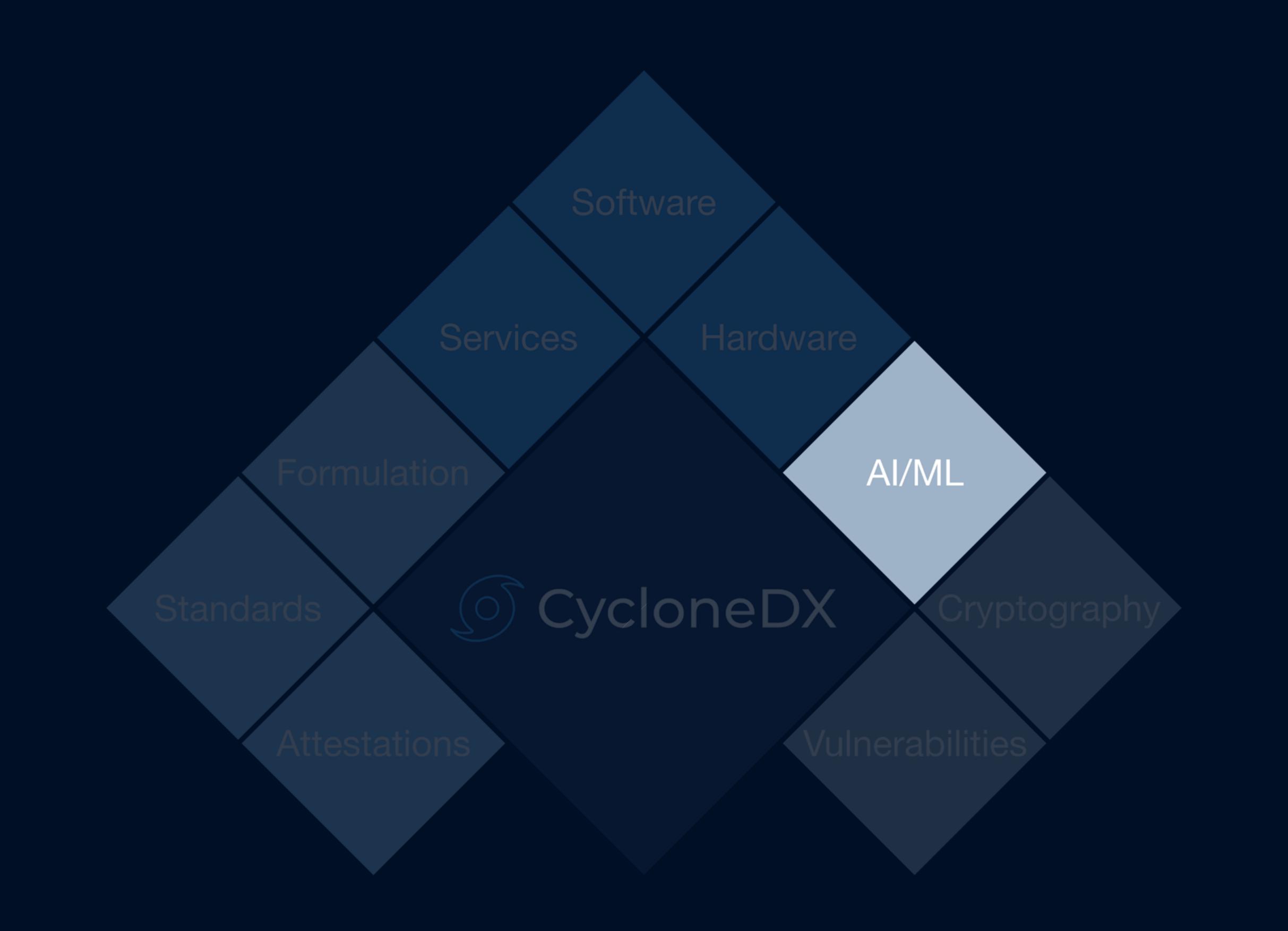


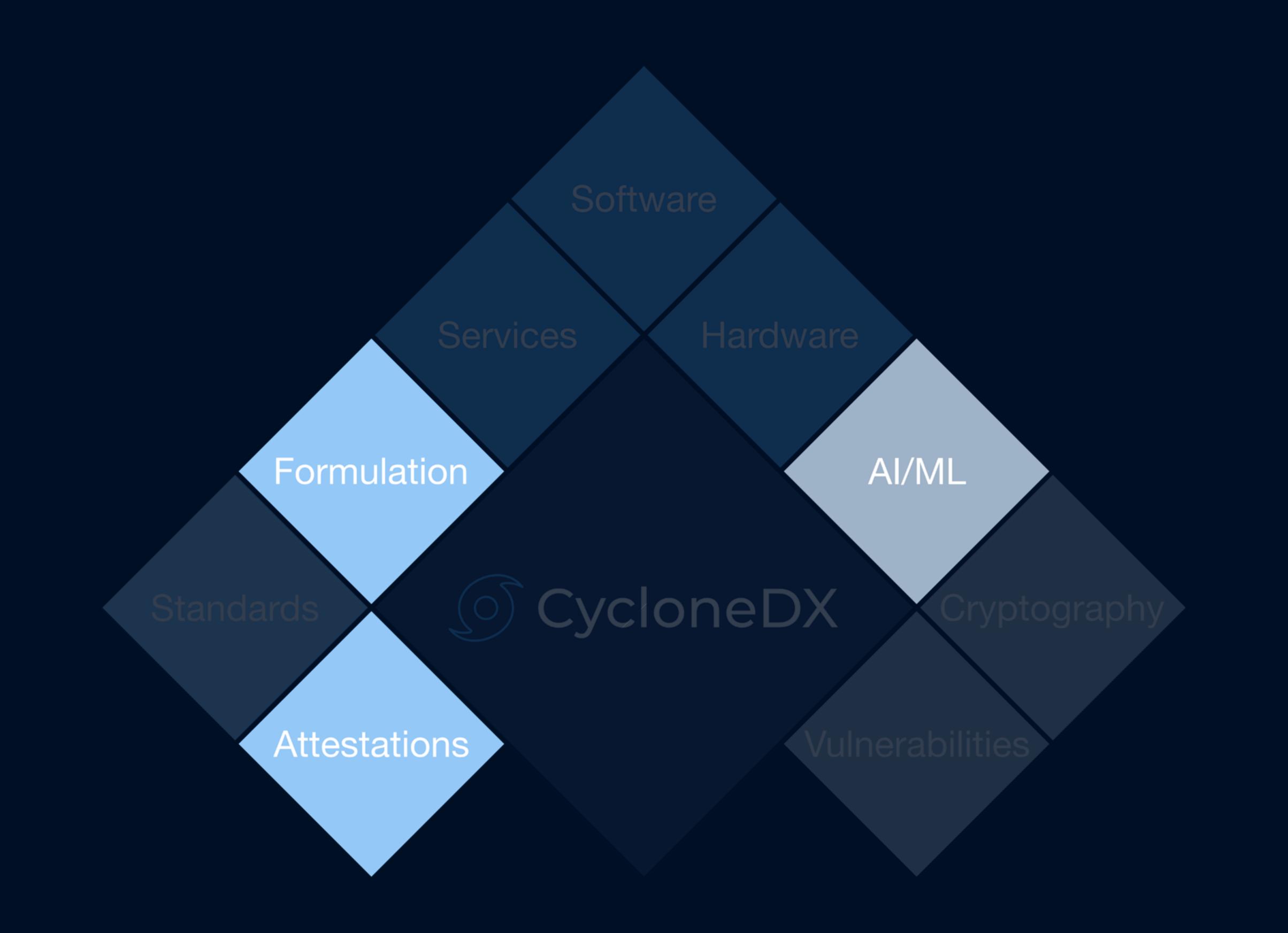












#### CycloneDX Unified Model Cards

Inherits from the CycloneDX component model

- Provenance: supplier, author, publisher, manufacturer
- Identity: PURL, CPE, SWID, OmniBOR, SWHID, coordinates
- Licenses (open source and commercial) and copyrights
- Pedigree (ancestors, descendants, variants)
- External references (relationships and documentation)
- Release notes



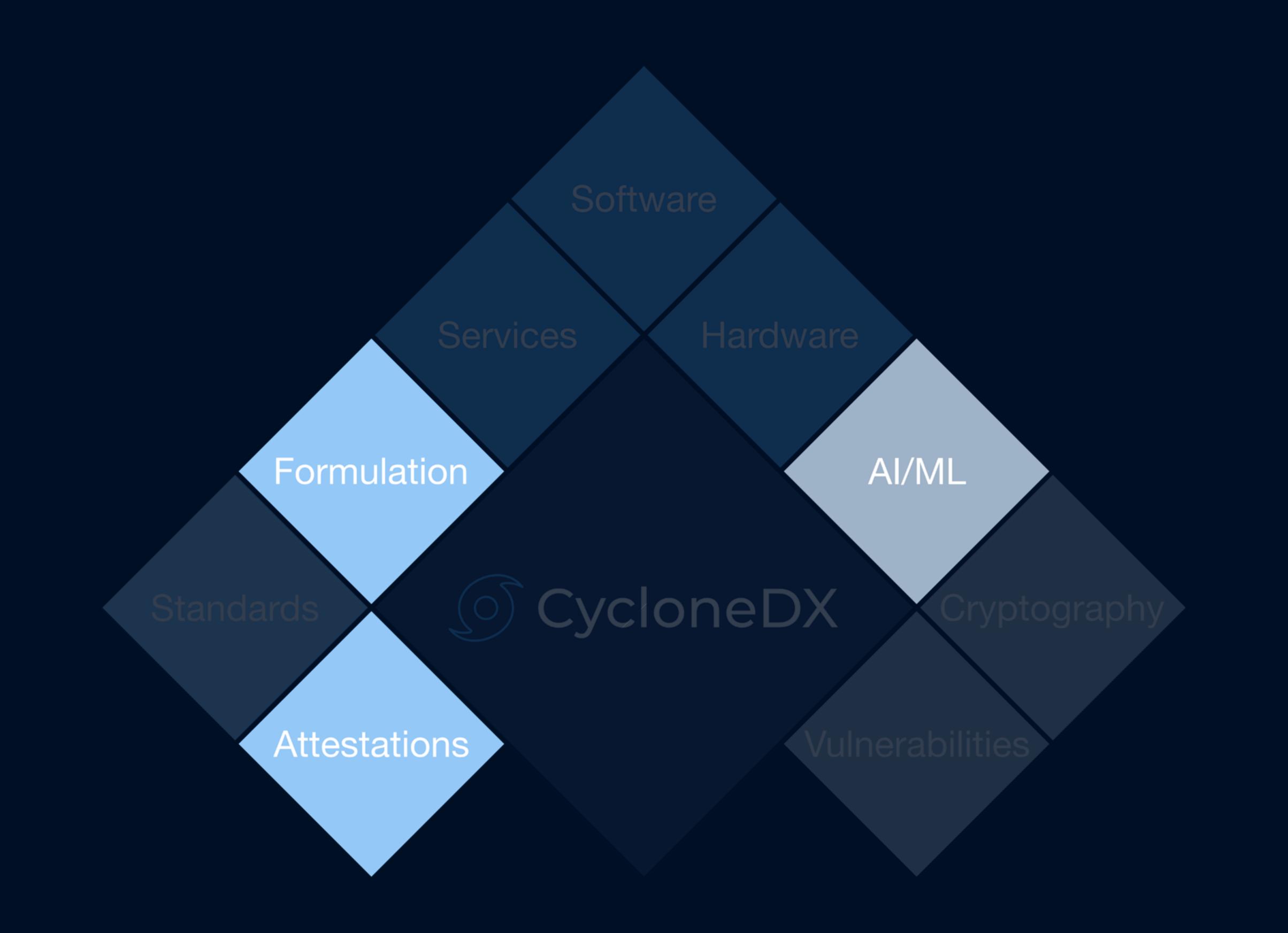


#### CycloneDX Unified Model Cards

Architecture Family Task Approach Type Model Parameters I/O Formats Model Architecture Datasets Quantitative Performance Metrics Graphics Analysis Technical Limitations Users Use Cases Perf Tradeoffs Considerations Fairness Ethical Environmental







## Proposed Enhancements for CycloneDX v1.7

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- Blueprints
- OTM → TM-BOM
- Sustainability



