

A Look Inside RunSafe Security SBOMS

Unparalleled Insight into Open-Source Projects

RunSafe Security's SBOM generator provides exceptional visibility into your C/C++ projects.

WHY CHOOSE RUNSAFE?

- **Build-Time Analysis:** Runs during compilation, eliminating binary analysis and package managers.
- **Embedded Systems Focus:** Ideal for real-time and embedded software.
- **Comprehensive Inventory:** Lists all applications, libraries, and files.
- **Seamless Integration:** Works with various build environments.

WHAT YOU SEE: OPEN-SOURCE INSIGHTS

Explore examples of what our SBOM generator reveals:

Redis

of distinct components: 2139
% components (library): ~1% (13)
% components (application): ~6% (123)
% components (file): ~94% (2003)
of compiled components: 63

SQLiteC++

of distinct components: 310
% components (library): ~2.6% (8)
% components (application): ~12% (37)
% components (file): ~85.5% (265)
of compiled components: 1

Revealing the Depth of Your Software: Insights into Components with RunSafe's SBOM

Dive into how RunSafe's SBOM provides vital insights into your software components, ensuring transparency and empowering you to manage risks effectively.

```

{
  "name": "Column.h",
  "type": "file",
  "author": "Sebastien Rombauts",
  "hashes": [
    {
      "alg": "SHA-256",
      "content": "6a81295bc800e37624c6a084348b7a87221a4b47fb98767fc3c3e7f6c0cb77b4"
    }
  ],
  "bom-ref": "7bb00291-9c0d-4333-9869-fcfc2fa47e5f",
  "licenses": [
    {
      "license": {
        "name": "MIT License"
      }
    }
  ],
  "copyright": "Copyright (c) 2012-2024",
  "properties": [
    {
      "name": "filePath",
      "value": "/path/to/SQLiteCpp/include/SQLiteCpp/Column.h"
    }
  ]
},

```

File Component Example:

RunSafe's SBOM reports on each source file, providing 33x more components with detailed provenance information (authors, copyright, licenses). This ensures FDA compliance and offers a comprehensive view of software composition.

```

{
  "name": "libz.so.1.2.13",
  "type": "library",
  "hashes": [
    {
      "alg": "SHA-256",
      "content": "7e2a72b4c4b38c61e6962de6e3f4a5e9ae692e732c68deead10a7ce2135a7f68"
    }
  ],
  "bom-ref": "d6cbb72e-dc46-45cb-9e02-f776bbb4ab98",
  "version": "1.2.13",
  "properties": [
    {
      "name": "filePath",
      "value": "/usr/lib/x86_64-linux-gnu/libz.so.1.2.13"
    }
  ]
},

```

Library Component Example:

RunSafe's SBOM captures both static and dynamic libraries, unlike binary-based SBOMs that only report on dynamic libraries. This provides a complete view of software composition.

ABOUT RUNSAFE SECURITY, INC.

RunSafe Security proactively protects embedded software for both commercial and defense deployments across critical infrastructure, with comprehensive risk identification, protection, and monitoring, ensuring robust, continuous security without affecting performance. Headquartered in McLean, Virginia, with an office in Huntsville, Alabama, RunSafe Security's customers span the aerospace, defense, energy, industrial, and national security verticals.