

Commoditising Open Source Risk Management

First Open Source SCA Platform



KNOW YOUR FRANKIE

75% is Open Source

The Forrester Wave™,
Software Composition Analysis
Q3 2021

85-90% is Open Source

Github, 2022





About us

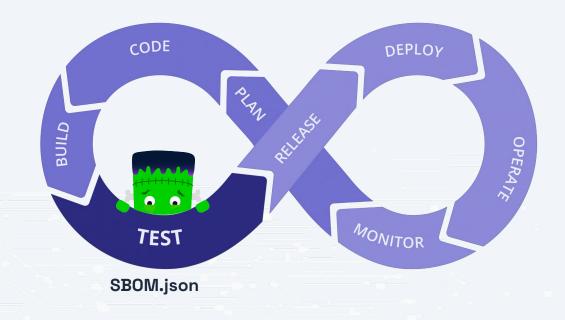
- Disruptive Technology
 - Open Source
- Disruptive Revenue Model
 - Data Subscription
- **Built for developers:** Shift left





Automate - Everything As Code

- SCA Validation
- SBOM
 - With your code
 - In your revision history
- Precise identifications





License Compliance, Export Control and Security

"You can't protect or comply with

what you can't see"



Detecting undeclared software

Detecting declared software	 Reading software metadata Copyright statements License files and headers Dependency files
Detecting undeclared software	 Files without license headers Built-in dependencies Stripped headers Plagiarism detection Critical for embedded systems



Detecting known fingerprints

```
. .
for basis in ( 'basis-link', 'basis', '' ):
            info(3, "Found %s in %s" % ('unorc', realpath(urepath, 'lib')))
                             Your code fingerprint
        file=24e35278ad5d4d3babe7379dc34d5bce,439,pasted.wfp
        5=369450fc
        6=bf7226a9
        8=b04dd861
        9=9727e3cd
       11=2152ba16
```



```
JSON response
  "snippet.py": [
     "id": "snippet",
     "status": "pending",
     "lines": "1-10",
     "oss_lines": "165-174",
      "matched": "90%",
     "purl": [
       "pkg:github/unoconv/unoconv",
       "pkg:deb/unoconv",
        "pkg:pypi/unoconv"
     "vendor": "unoconv",
     "component": "unoconv",
     "version": "0.8.2",
     "latest": "0.8.2",
     "url": "https://github.com/unoconv/unoconv",
     "release_date": "2017-12-07",
     "file": "unoconv",
     "url_hash": "c36074c3996ba9d7d85f4a57787b5645",
     "file_hash": "0f55e083dcc72a11334eb1a77137e2c4",
     "source_hash": "aff32ef2847f81abc62da10769bff43f",
     "file_url": "https://osskb.org/api/file_contents/0f55e083dcc72a11334eb1a77137e2c4",
     "licenses": [
          "name": "GPL-2.0-only",
         "obligations": "https://www.osadl.org/fileadmin/checklists/unreflicenses/GPL-2.0-only.txt",
          "copyleft": "yes",
          "patent_hints": "yes",
         "incompatible_with": "Apache-1.0, Apache-1.1, Apache-2.0, BSD-4-Clause, BSD-4-Clause-UC, FTL,
IJG, OpenSSL, Python-2.0, zlib-acknowledgement, XFree86-1.1",
          "source": "component_declared"
     3
 3
```

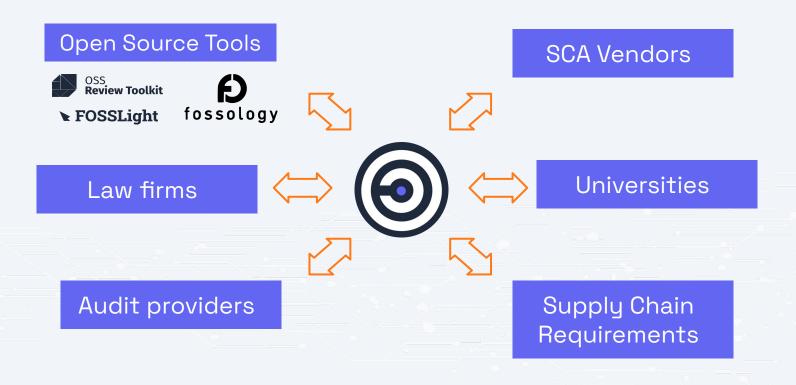


Why is SCANOSS better?

- Open Source
 - Safer, no more secret hashing / data handling
 - The end of vendor lock-ins
- Specially designed snippet DB engine
 - o Better, Faster, Stronger
- Accurate, complete, actionable SBOM
 - Declared + undeclared, precise IDs
- Inbound SBOMs solved
 - Supply Chain Transparency

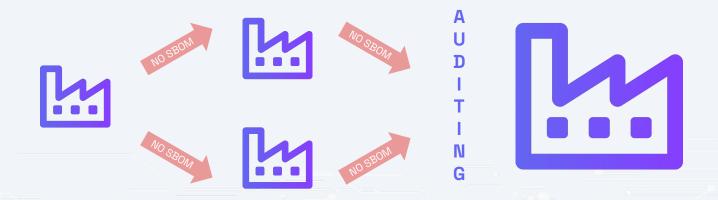


Rapidly growing ecosystem





Driving SBOM Adoption



Small and Medium Enterprises

Large Enterprises



Driving SBOM Adoption



Small and Medium Enterprises

Large Enterprises

Presence in public repositories

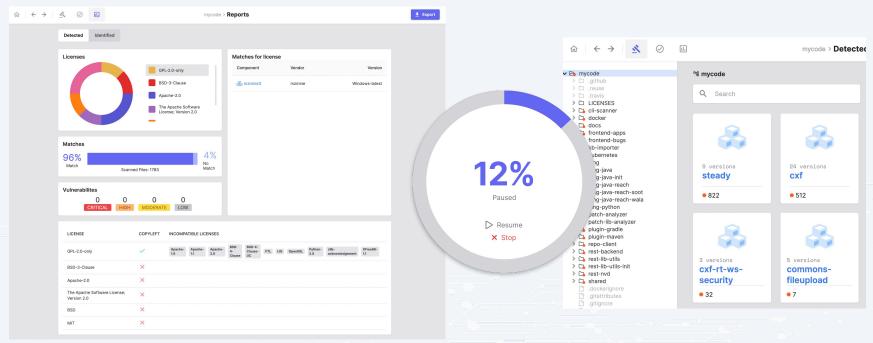
- \$ pip3 install scanoss
- \$ scanoss-py scan mycode/
- \$ npm install -g scanoss
- \$ scanoss-js scan mycode/



https://github.com/scanoss



First Multi-platform Auditing App







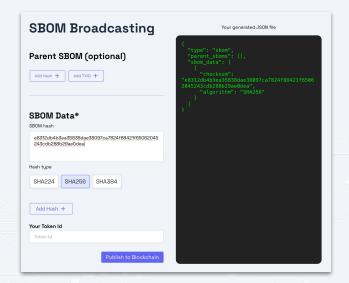




Foundation Projects



Software Transparency Foundation		Get in touch
	Public SCA Servi free SBOM. No strings attack	
	141 million URLs indexed	
The Status		
At the moment we have '	41,490,922 URLs indexed in the OSS	KB.
We are constantly working contact us.	ng to grow our OSSKB. If you wish to	help, please don't hesitate to

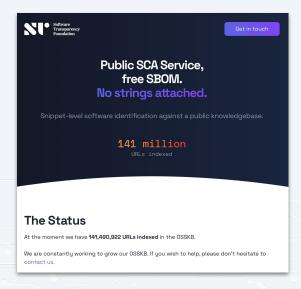


OSSKB.ORG

SBOM.INFO



Public API Service



- Free of charge
- Perpetual
- Safe
- Anonymous
- Stateless

OSSKB.ORG



Public Knowledge Base API





https://osskb.org/api







Available offerings





Knowledgebase Updates	Quarterly	Monthly (On-prem) / Daily (SaaS)
Layers of information	 SBOM generation Snippet detection Licenses PURL array 	 SBOM generation Snippet detection Licenses PURL array Copyright statements Attribution notices CPE Vulnerabilities Dependencies Cryptography Quality Health Security
Availability + throughput	Best EffortUniversity Mirrors	 Guaranteed
Audit Workbench	 Standalone 	EnterpriseSAML/SSOShared workspaces
Support	● Community	Dedicated + SLACustom integrations





Thank you!

Julian Coccia - CTO https://scanoss.com