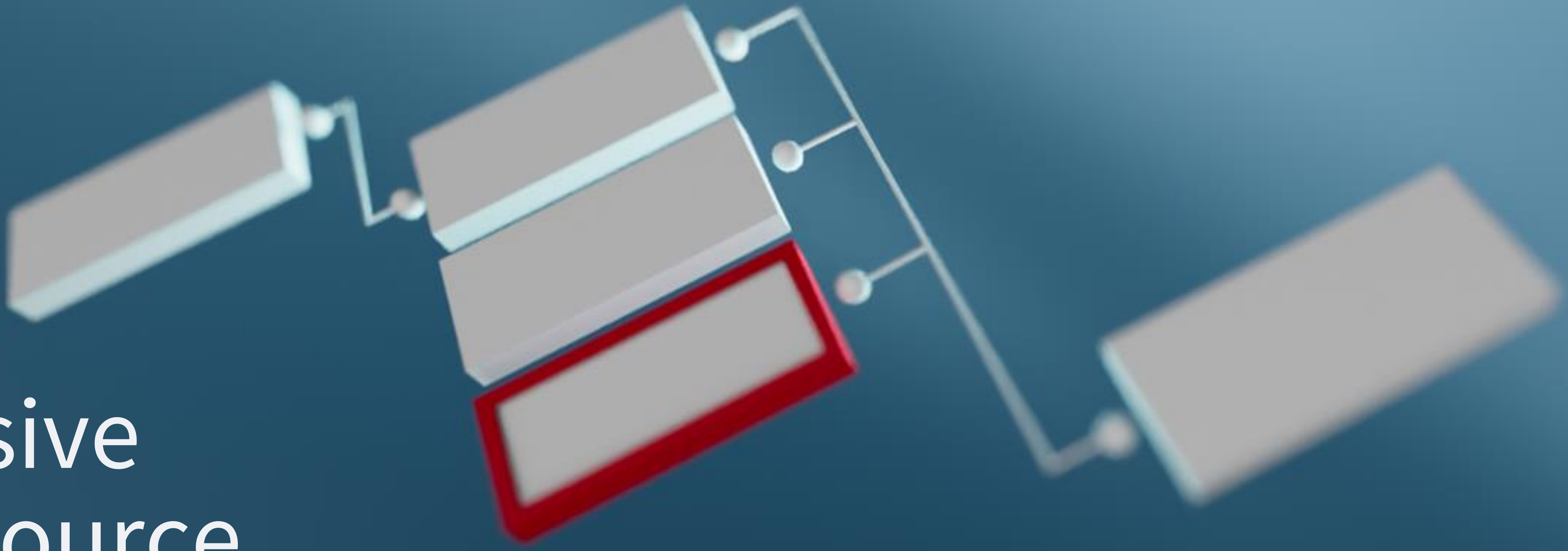
Bitkom #bfoss24

Gefördert durch:
Bundesministerium
für Wirtschaft
und Klimaschutz

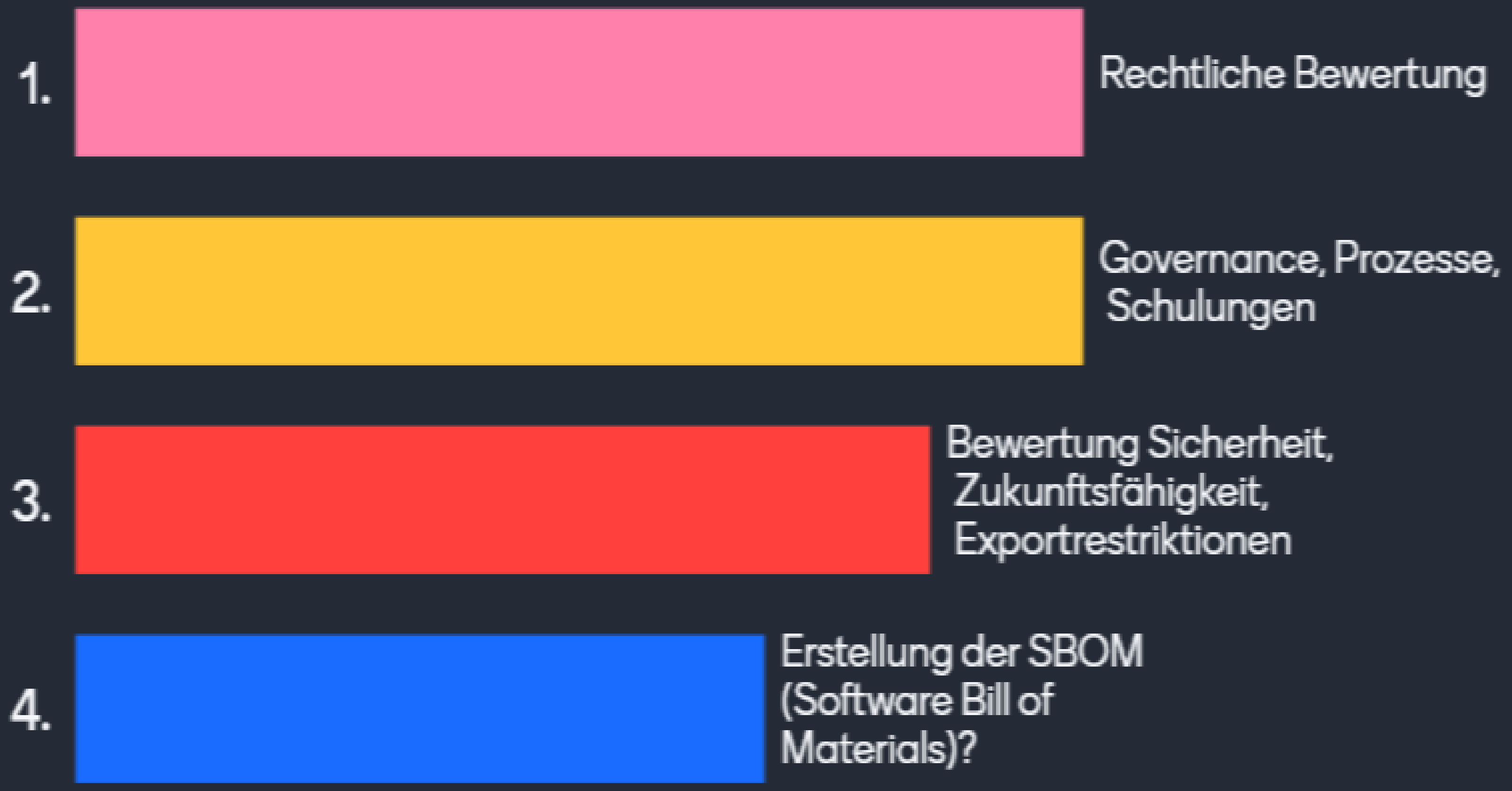


Immersive Open Source Compliance-Visualisierung

bitsea.

Dr. Andreas Kotulla
Geschäftsführer Bitsea GmbH
12. September 2024

Wenn sie an das Management von Open Source denken, was sind für Sie die komplexesten Themen?



1

35

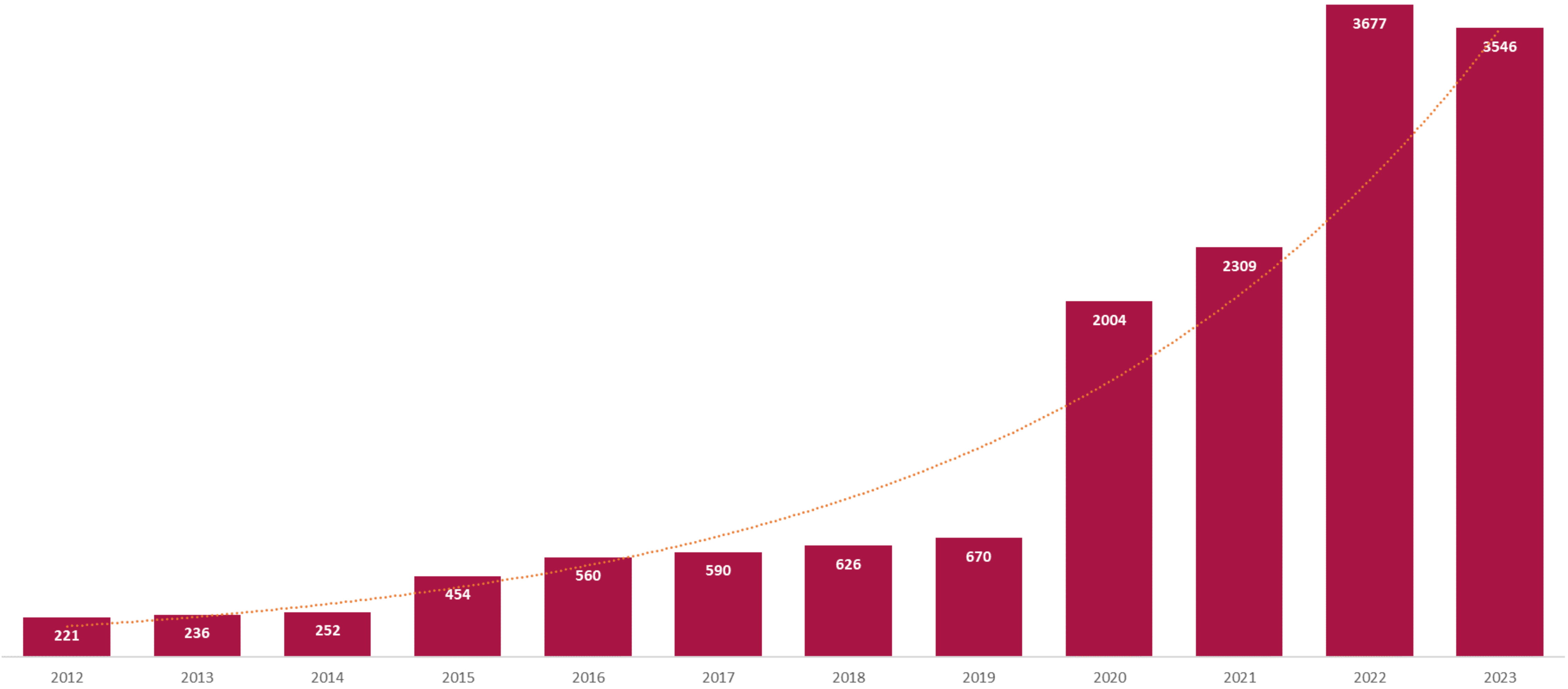
Open Source ist überall

Was ist eine SBOM?

Information Overflow

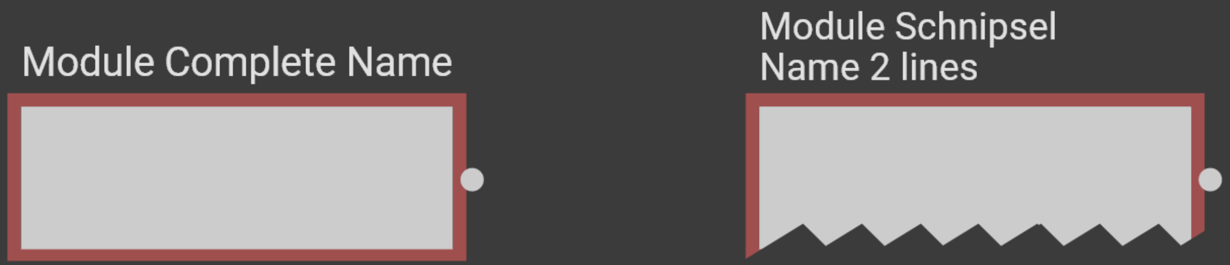
TYPVS DE INTEGRO
Europa
Asia
AMERICA
OCEANVS
PERUVIA NUS
EL MAR PACIFICO
Circulus Aequinoctialis
Tropicus Capricorni
TERRA AVSTRALIS MAGALLANICA
Circulus Antarcticus
AFRI
MEXICANA
PERUANA
MAGALLANICA

Anzahl Open Source



Quelle: Flexera Software

Grundform


Module Complete Name
Module Schnipsel
Name 2 lines

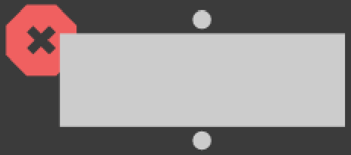
Priorität

Module is Copyleft

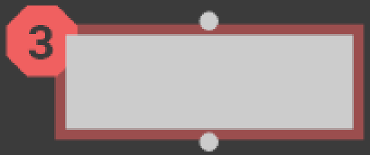
Module is Commercial

Module is Permissive

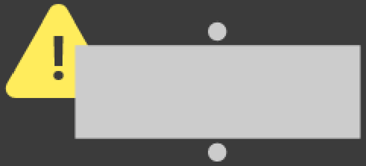
Vulnerabilities & Export



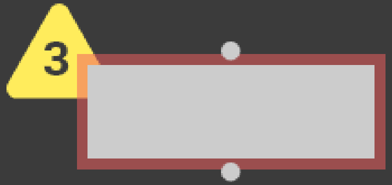
Module is vulnerable



Multiple vulnerabilities
Type C, with exact counter

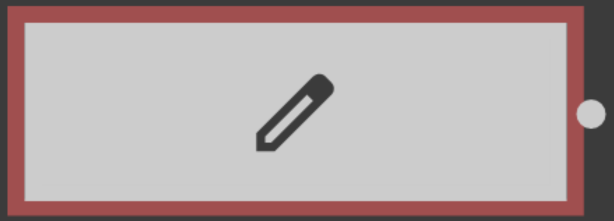


Module Export Restriktion
and complete

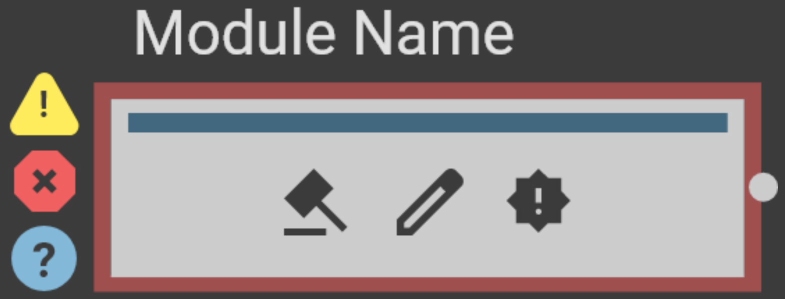


Multiple Export Restriktion
Type C, with exact counter

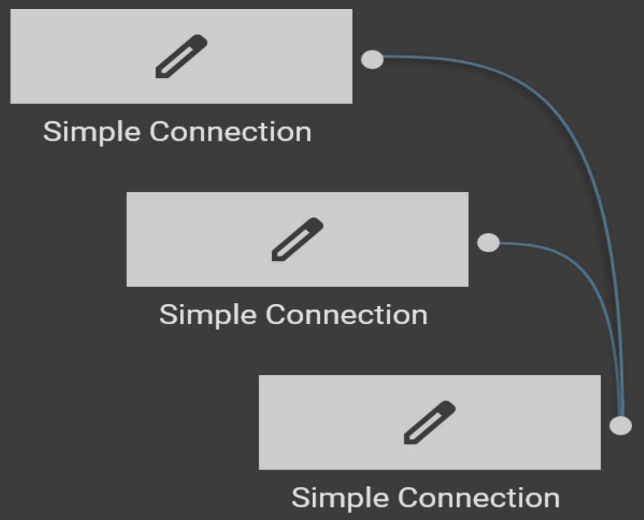
Modifikation

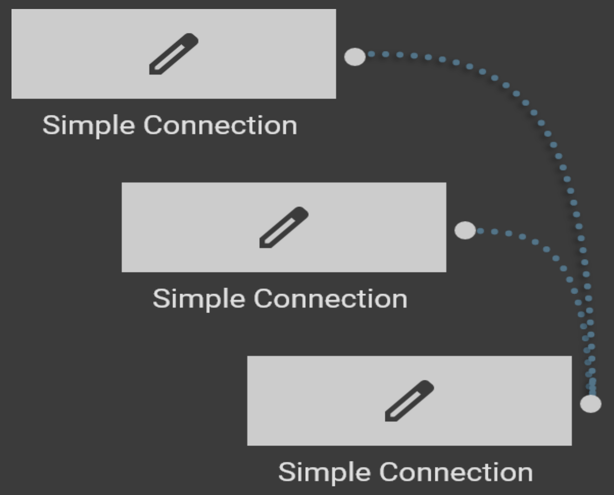


Patente, Betriebsrisiko, “freigegeben”

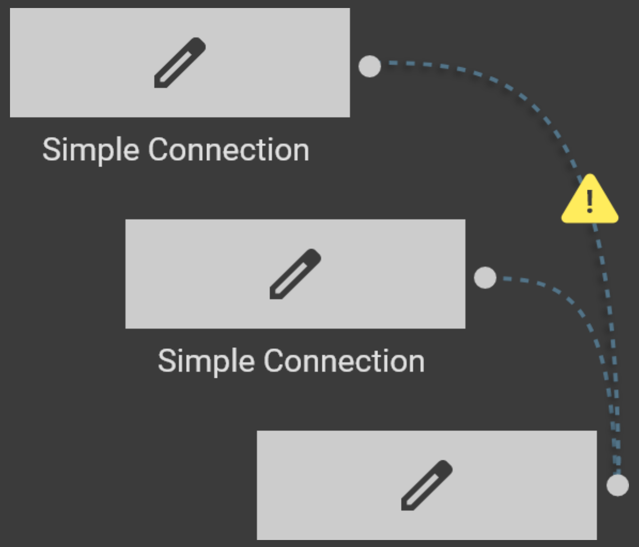

Module Name

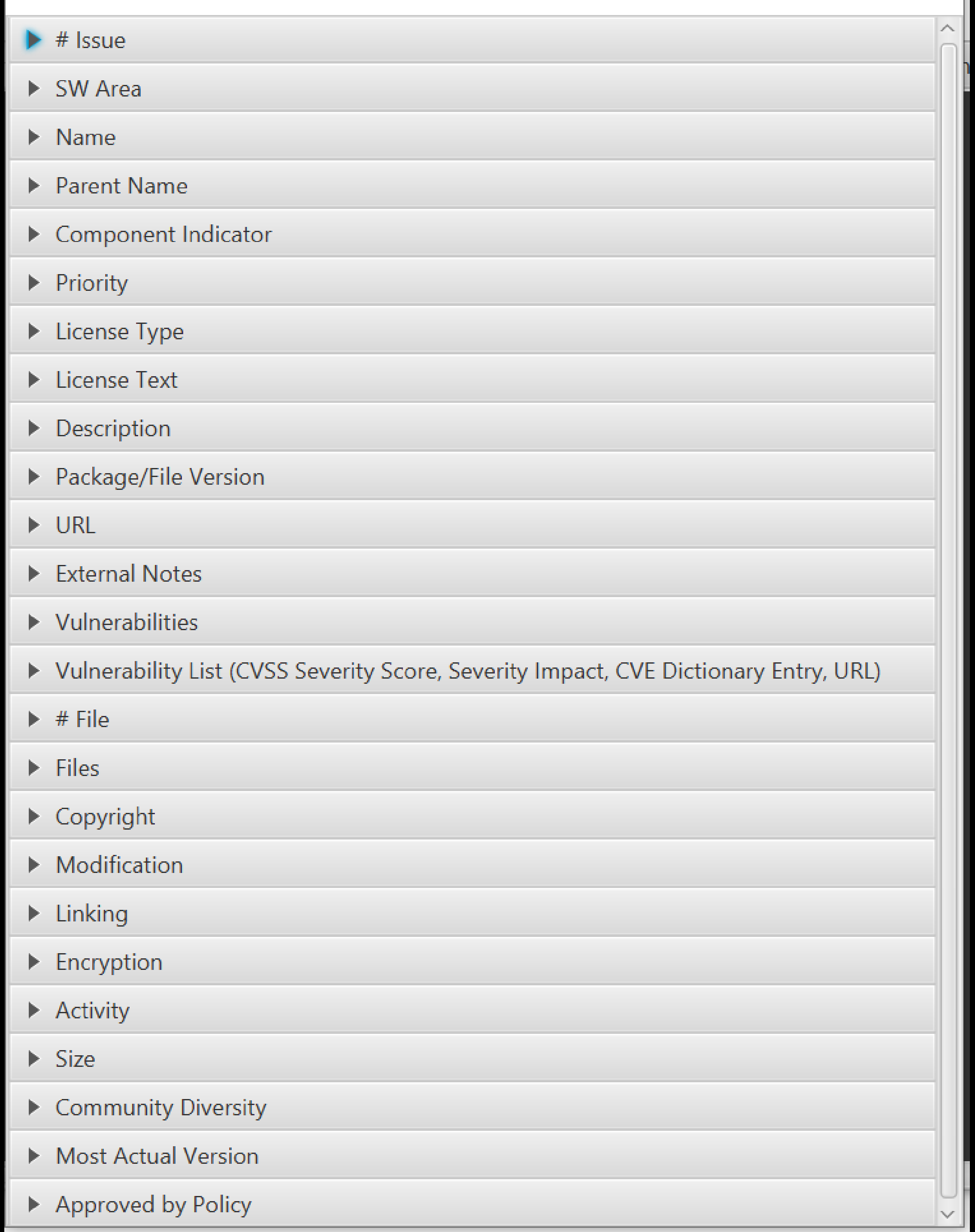
“Linking”


Simple Connection
Simple Connection
Simple Connection

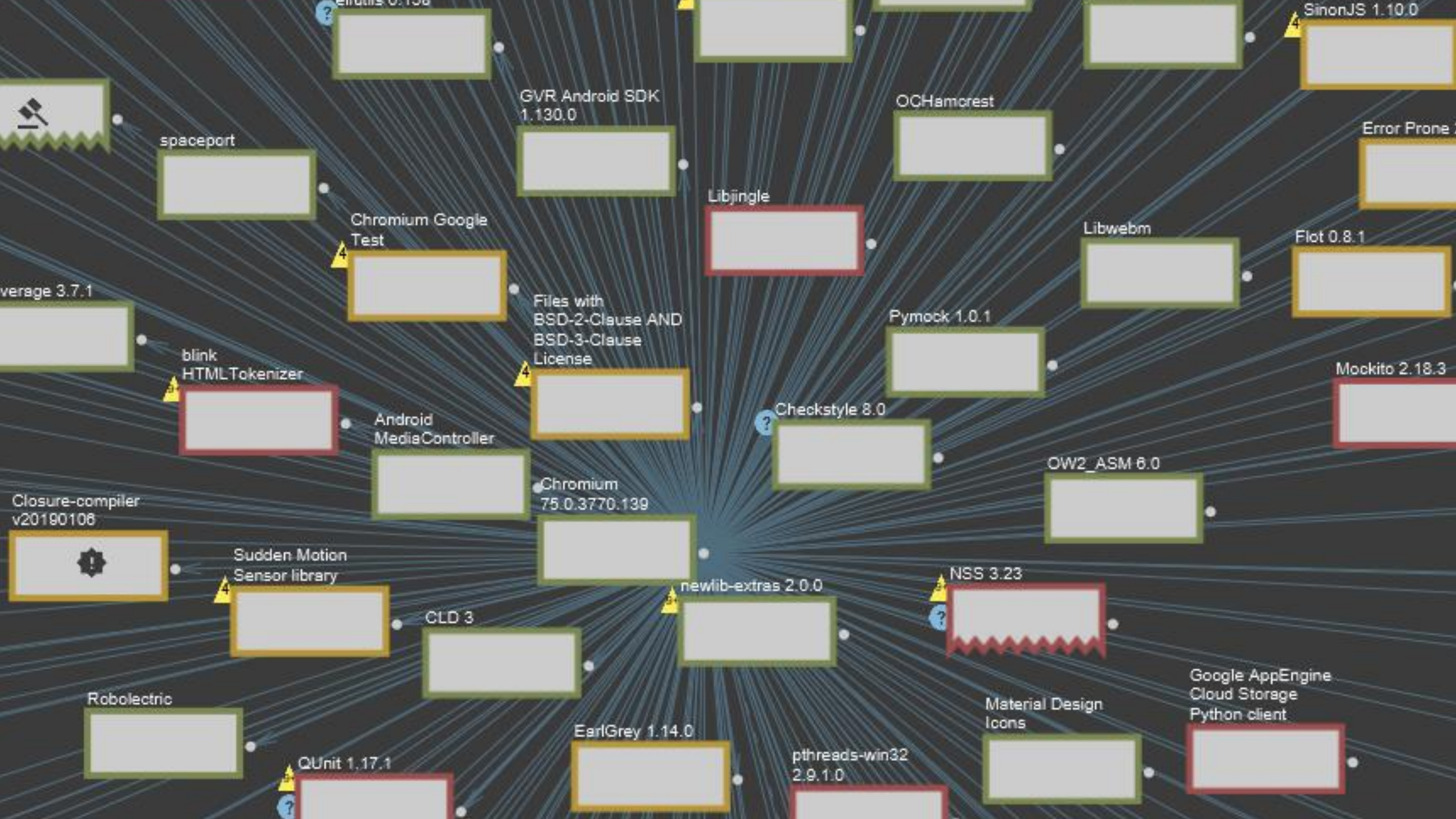

Simple Connection
Simple Connection
Simple Connection

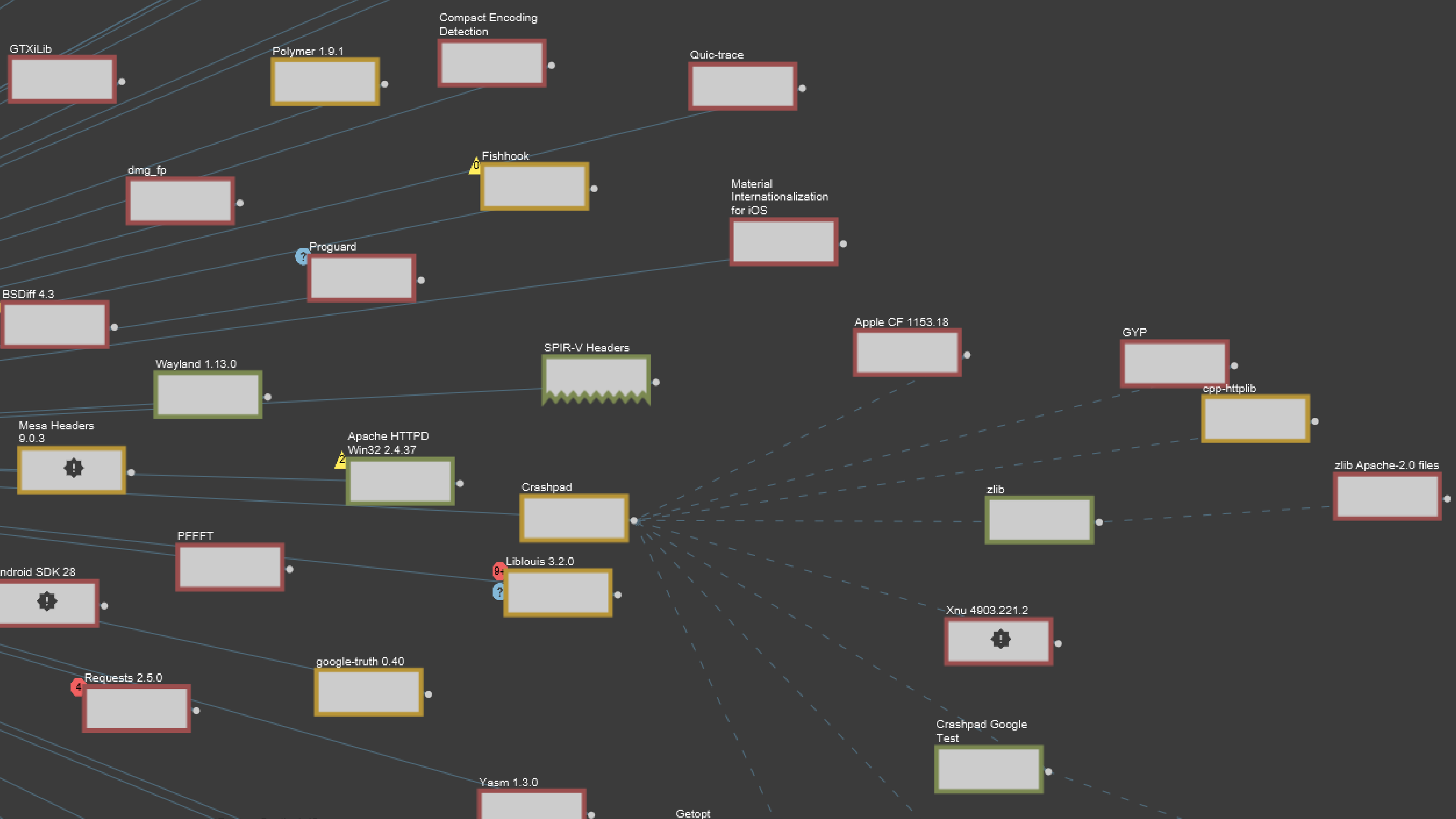
Linux Syscall

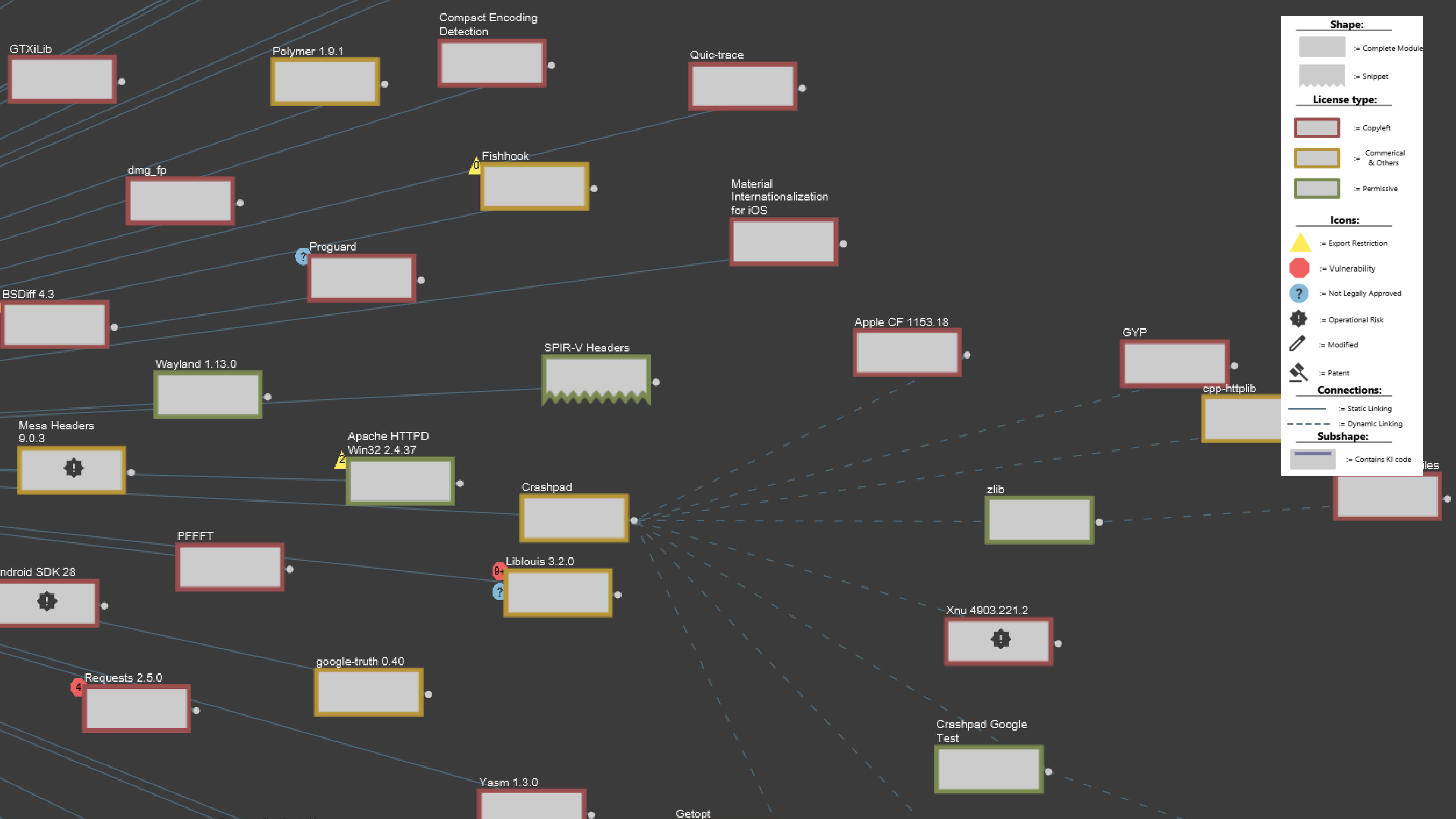

Simple Connection
Simple Connection

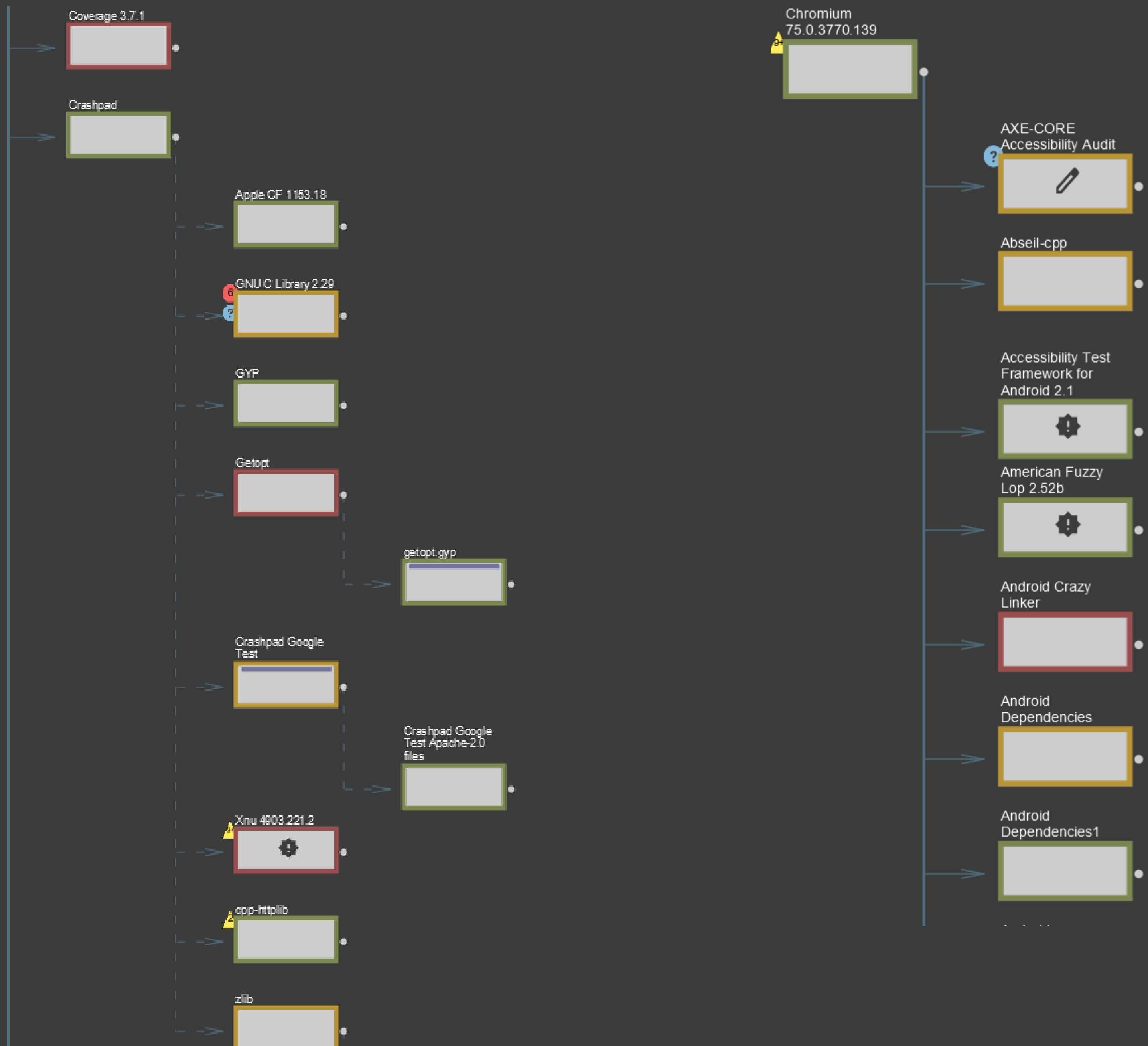


- # Issue
- SW Area
- Name
- Parent Name
- Component Indicator
- Priority
- License Type
- License Text
- Description
- Package/File Version
- URL
- External Notes
- Vulnerabilities
- Vulnerability List (CVSS Severity Score, Severity Impact, CVE Dictionary Entry, URL)
- # File
- Files
- Copyright
- Modification
- Linking
- Encryption
- Activity
- Size
- Community Diversity
- Most Actual Version
- Approved by Policy


spaceport
GVR Android SDK 1.130.0
OCHamcrest
SinonJS 1.10.0
Error Prone
Libjingle
Chromium Google Test
Libwebm
Flot 0.8.1
verage 3.7.1
Files with BSD-2-Clause AND BSD-3-Clause License
Pymock 1.0.1
blink HTMLTokenizer
Mockito 2.18.3
Android MediaController
Checkstyle 8.0
OW2_ASM 6.0
Chromium 75.0.3770.139
Closure-compiler v20190106
Sudden Motion Sensor library
newlib-extras 2.0.0
NSS 3.23
CLD 3
Robolectric
Google AppEngine Cloud Storage Python client
Material Design Icons
EarlGrey 1.14.0
pthreads-win32 2.9.1.0
QUnit 1.17.1


GTXiLib
Polymer 1.9.1
Compact Encoding Detection
Quic-trace
dmg_fp
Fishhook
Material Internationalization for iOS
Proguard
BSDiff 4.3
Apple CF 1153.18
GYP
SPIR-V Headers
Wayland 1.13.0
cpp-httplib
Mesa Headers 9.0.3
Apache HTTPD Win32 2.4.37
zlib Apache-2.0 files
Crashpad
zlib
PFFFT
Liblouis 3.2.0
9+
ndroid SDK 28
Xnu 4903.221.2
google-truth 0.40
Requests 2.5.0
4
Crashpad Google Test
Yasm 1.3.0
Getopt


GTXiLib
Polymer 1.9.1
Compact Encoding Detection
Quic-trace
dmg_fp
Fishhook
Material Internationalization for iOS
Proguard
BSDiff 4.3
Apple CF 1153.18
GYP
SPIR-V Headers
Wayland 1.13.0
cpp-httplib
Mesa Headers 9.0.3
Apache HTTPD Win32 2.4.37
Crashpad
zlib
PFFFT
Liblouis 3.2.0
ndroid SDK 28
Xnu 4903.221.2
google-truth 0.40
Requests 2.5.0
Crashpad Google Test
Yasm 1.3.0
Getopt
iles
Shape:
:= Complete Module
:= Snippet
License type:
:= Copyleft
:= Commerical & Others
:= Permissive
Icons:
:= Export Restriction
:= Vulnerability
:= Not Legally Approved
:= Operational Risk
:= Modified
:= Patent
Connections:
:= Static Linking
:= Dynamic Linking
Subshape:
:= Contains KI code


Coverage 3.7.1
Crashpad
Apple CF 1153.18
GNU C Library 2.29
GYP
Getopt
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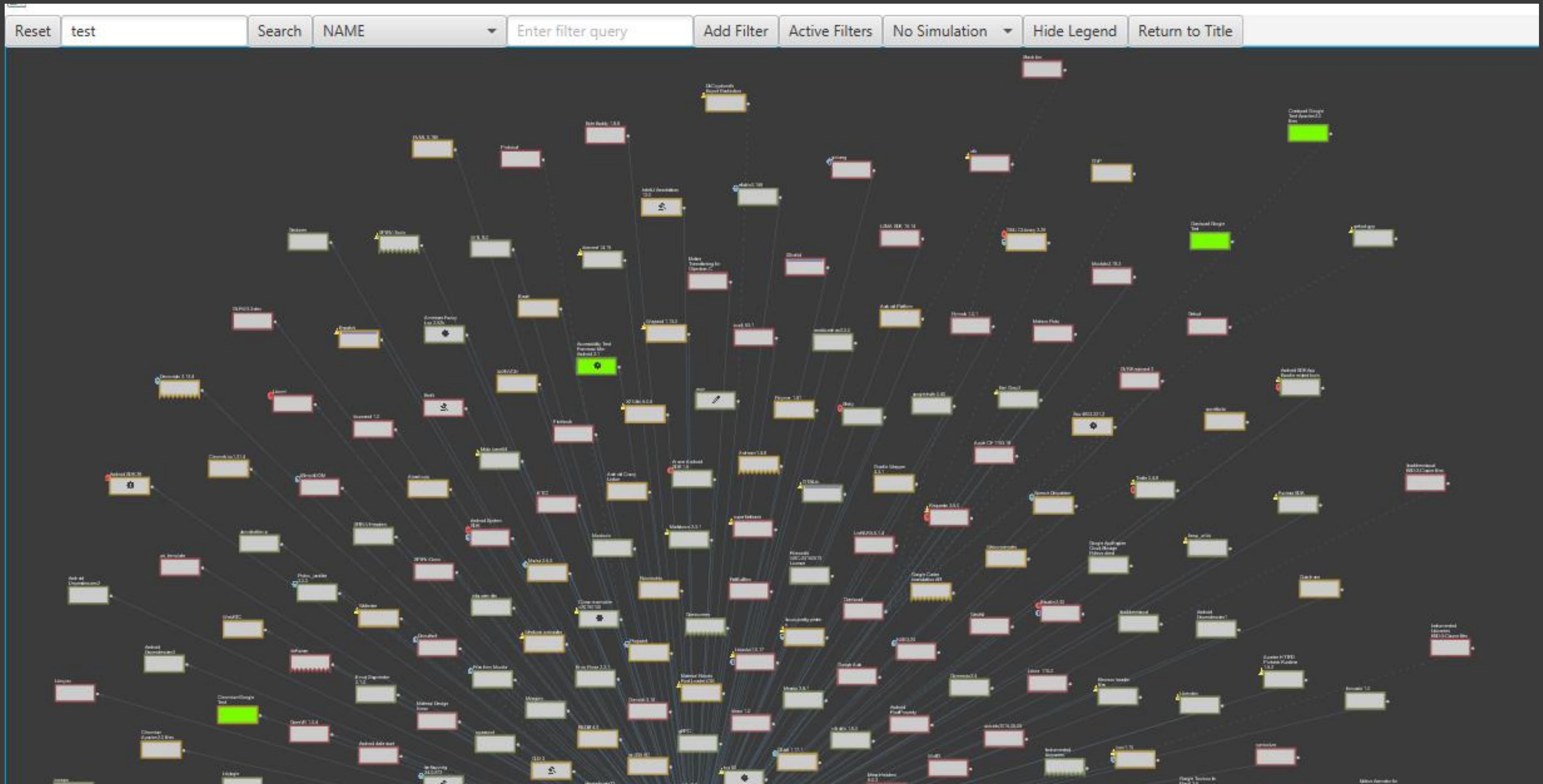
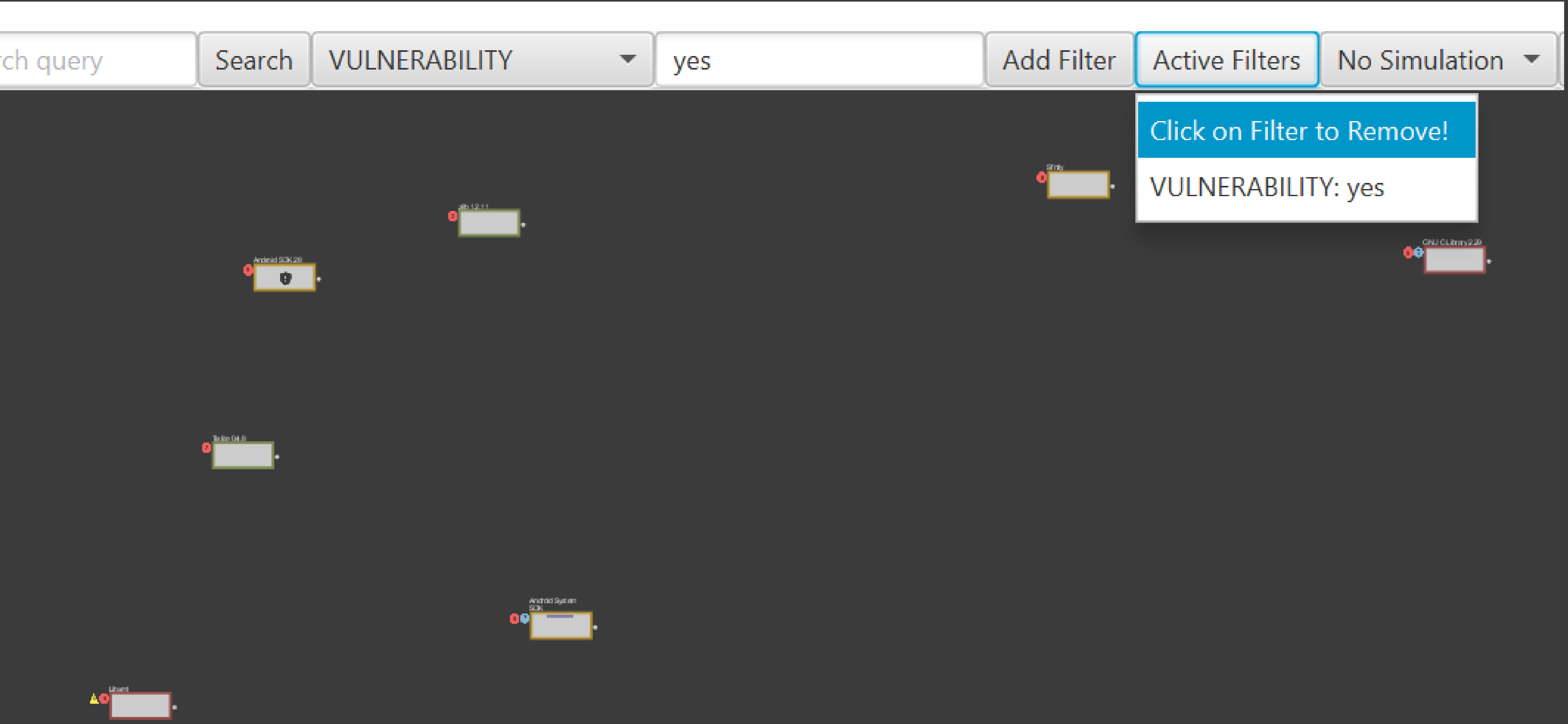
Crashpad Google Test
Crashpad Google Test Apache-2.0 files
Xnu 4903.221.2
cpp-httplib
zlib
Chromium 75.0.3770.139
AXE-CORE Accessibility Audit
Abseil-cpp
Accessibility Test Framework for Android 2.1
American Fuzzy Lop 2.52b
Android Crazy Linker
Android Dependencies
Android Dependencies1

Filter


Reset
test
Search
NAME
Enter filter query
Add Filter
Active Filters
No Simulation
Hide Legend
Return to Title

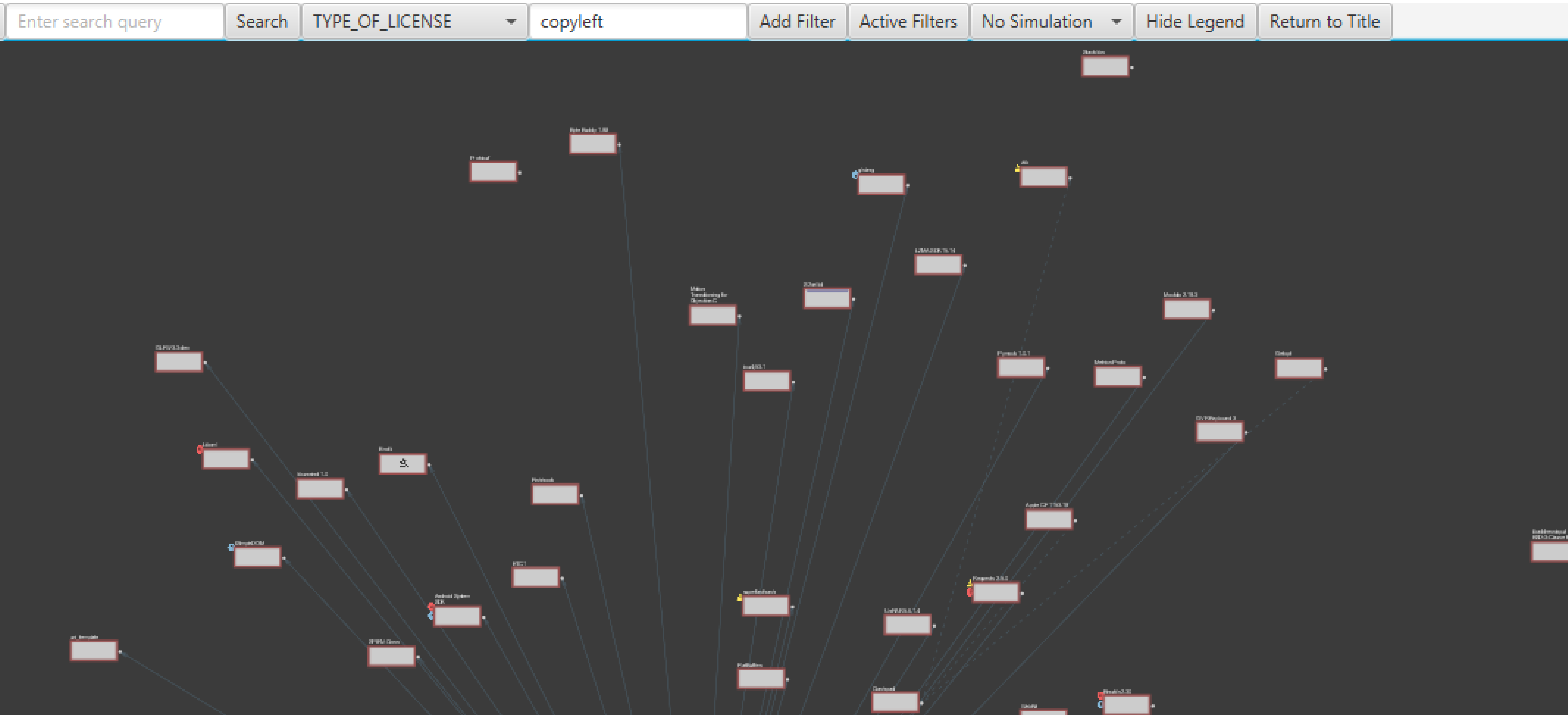
Filter


ch query
Search
VULNERABILITY
yes
Add Filter
Active Filters
No Simulation
Android SDK 28
Android System SDK

Click on Filter to Remove!

VULNERABILITY: yes

Filter

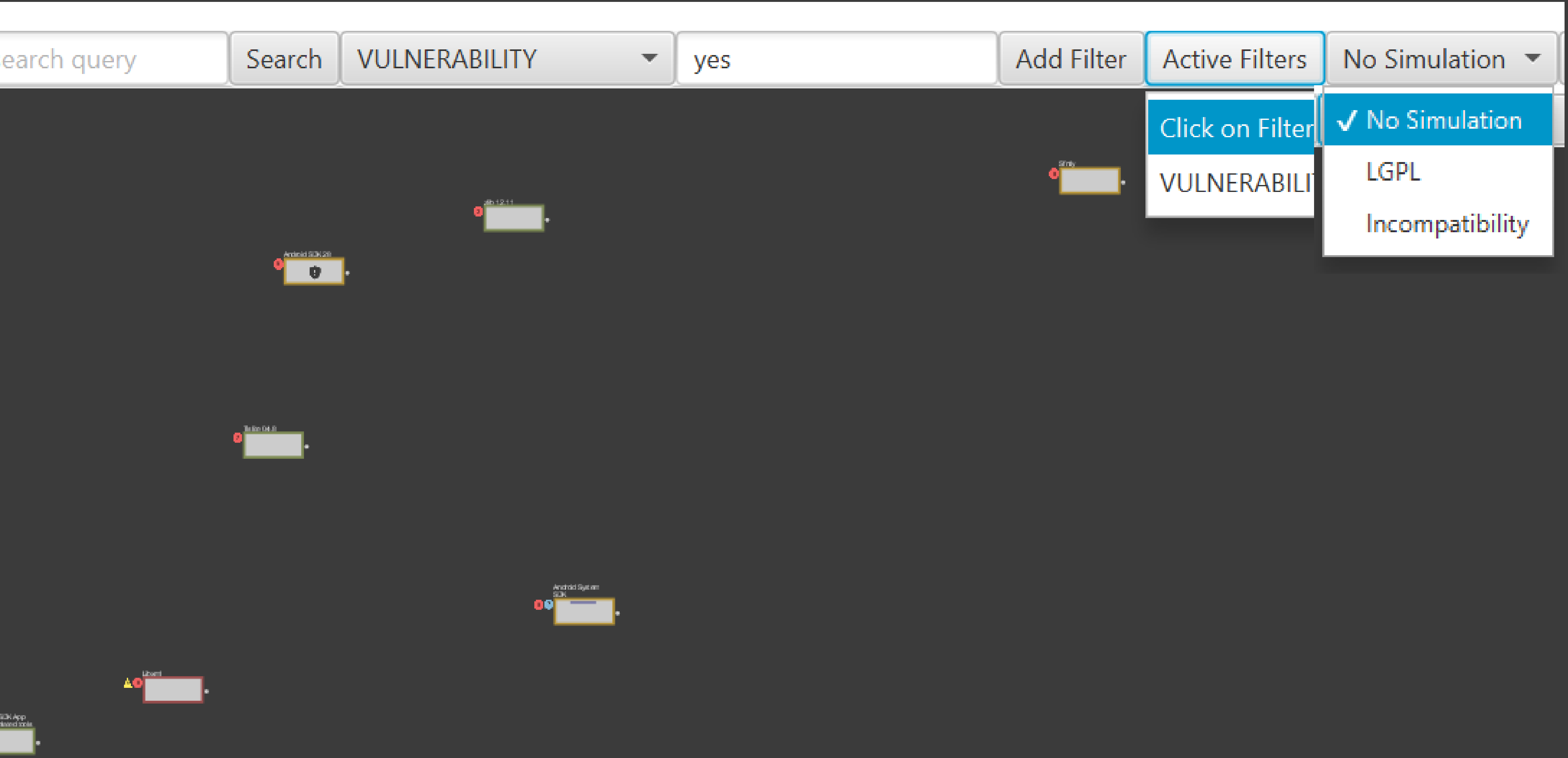


TYPE_OF_LICENSE

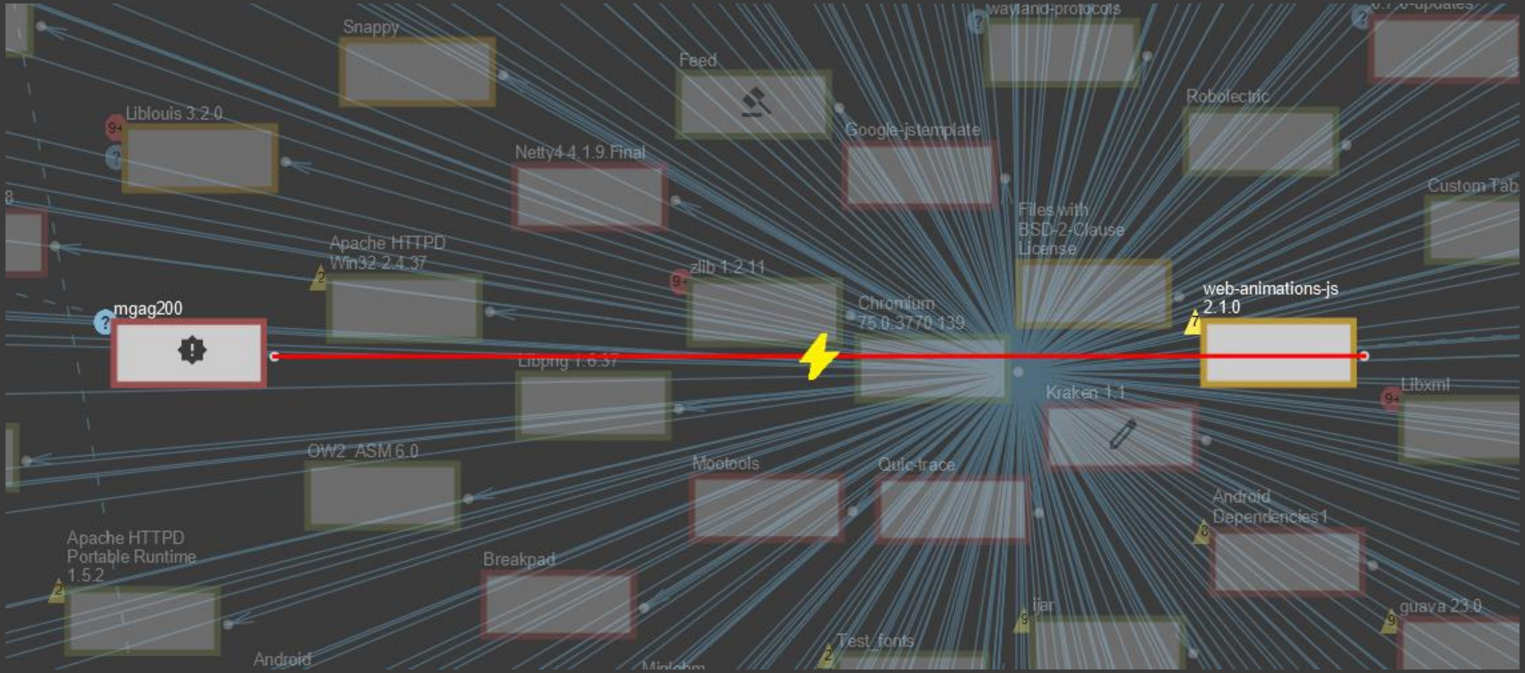
copyleft

Enter search query
Search
Add Filter
Active Filters
No Simulation
Hide Legend
Return to Title

Filter


earch query
Search
VULNERABILITY
yes
Add Filter
Active Filters
No Simulation
Click on Filter
VULNERABILI
✓ No Simulation
LGPL
Incompatibility

Inkompatibilität


Snappy
Feed
wayland-protocols
Liblouis 3.2.0
Netty4 4.1.9.Final
Google-jstemplate
Robolectric
Custom Tab
Files with BSD-2-Clause License
Apache HTTPD Win32 2.4.37
zlib 1.2.11
Chromium 75.0.3770.139
mgag200
web-animations-js 2.1.0
Libpng 1.6.37
Kraken 1.1
Libxml
OW2_ASM 6.0
Mootools
Quic-trace
Android Dependencies1
Apache HTTPD Portable Runtime 1.5.2
Breakpad
ijar
guava 23.0
Test_fonts
Android

Zusammenfassung

bitsea.

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