

Platform Coverage

NetRise analyzes firmware, SBOMs, disk images, containers, binaries, and more...

NetRise supports the analysis of over 200 software artifact types. Our platform focuses on compiled code, allowing us to support a wide variety of inputs and sources. Below are common artifact types that the platform supports. It is not an exhaustive list but verified formats that have been tested thus far. Input types pre-production are identified within this coverage matrix - please check with your NetRise point of contact on their exact status.



Embedded Linux

- Android-based
- Buildroot
- Cisco IOS XE **P**
- Debian-based (Ubuntu, Raspberry Pi OS/Raspbian, etc.)
- Fedora/Red Hat-based (CentOS, Oracle Linux, Red Hat Enterprise Linux, etc.)
- OpenWRT-based
- Windriver Linux
- Yocto-based (Automotive Grade Linux, etc.)



RTOS (Real-time Operating Systems)

- ARM RTX
- Atmel Studio Builds
- eCOS
- embOS
- Express Logic / Green Hills ThreadX
- FreeRTOS
- LynxOS
- Microsoft Azure / IoT / ThreadX / NetX / NetXDuo
- NordicSDK
- ProConOS
- uCOS
- VxWorks
- Zephyr



Archives / Compression

- 7zip (including self-extracting)
- ar
- bzip2
- Cisco **P**
- Compress
- Cpio
- DMG
- Gzip
- InstallShield Cabinet Archive
- Lexmark PBIN **P**
- lha
- lz4
- lzma
- Lzo
- Microsoft Cabinet Archive
- Multi-part zip
- Netgear STK **P**
- NSIS
- Pack200 Java Archive
- Polycom LD Container **P**
- rar
- Shell Archive (sarch)
- Shell Archive 2 (sarch2)
- Tar
- Ubiquiti Firmware Archive **P**
- WinZip (including self-extracting)
- Xz
- Xilinx BFD
- zip
- zlib
- zstd

File Systems

- BSD disklabel
- CramFS
- DLink romfs **P**
- EXT2 / EXT3 / EXT4
- FAT32
- GPT
- HFS+
- Initramfs
- JFFS / JFFS2
- LVM
- LynxFS
- MBR
- MemFS
- NTFS
- QNX IFS
- Stuffit
- SquashFS 2,3,4 (and proprietary variants)
- UBIFS
- Unix Fast Filesystem (FFS)
- UFS1 / UFS2
- XFS
- YAFFS / YAFFS2

Disk Images

- Android Sparse Image
- ArubaInstant Series **P**
- ArubaOS **P**
- Bosch Cameras **P**
- Canon FDL / JDL **P**
- DLink split_file **P**
- Intel Hex Record
- ISO-9660
- Lexmark PJL **P**
- Motorola S-Record
- PJL
- QEMU QCOW
- QNAP **P**
- RamDisk
- Ruckus Wireless Access Points **P**
- Siemens Simatic **P**
- Sophos **P**
- Toyota KWI **P**
- UEFI PI
- ulmage
- VDI
- VHD
- VMDK
- Xiaomi Routers **P**

Miscellaneous Types

- Android Applications (.apk)
- Android Application Bundles (.aab)
- ELF coredump
- Inno Setup Installer
- iOS Applications (.ipa and .app)
- macOS Universal Binary
- Microsoft Scriptable Installer (MSI)
- Object Linking and Embedding (OLE)
- Windows Portable Executable (PE)

Programming Languages

- C / C++
- DartLang
- dotNet
- Erlang
- Go
- Haskell
- Java
- JavaScript
- Perl
- PHP
- Python
- R
- Ruby
- Rust

Package Managers

- Alpine APK
- Cabal / Hackage **D**
- Composer
- Conan **D**
- Dotnet **D**
- DPKG
- Go.mod file
- Go buildinfo
- Java Archive
- Kernel Modules
- Maven
- NPM
- OPKG (OpenWRT)
- Pacman **D**
- PkgConfig
- Pnpm **D**
- Portage **D**
- Pub **D**
- PyPI
- Python (.egg, .whl)
- RPM
- Rubygems **D**
- Yarn **D**
- Yocto manifest

Software Bill of Materials (SBOM) Import/Export Formats

CycloneDX V1.2 through V1.5

- JSON & XML
- Generation & Ingestion
- VEX

SPDX V2.2.2 and V2.3

- JSON & XML
- Generation & Ingestion

** All SBOMs meet the NTIA Minimum Elements specification**