Grype Vulnerability scanner

CONCEPTS

Grype matches the packages it finds (or reads from an SBOM) against a local vulnerability DB. It reports; it does not generate SBOMs (that is Syft).

Source image, dir, SBOM, PURL
↓ catalog
Packages OS and language deps
↓ match
Vuln DB local, auto-updated
↓ filter
Report table, json, sarif, cyclonedx

A bare argument is auto-detected (local daemon, then registry, then path). Add a scheme prefix or --from when the guess is wrong.

SCAN SOURCES

grype *<image>*
Scan an image (name:tag)

grype dir:*<path>*
Scan a directory

grype sbom:*<file>*
Scan a Syft/SPDX/CycloneDX SBOM

cat *<sbom.json>* **| grype**
Read an SBOM from stdin

grype docker:*<image>*
Force the local Docker daemon

grype registry:*<image>*
Force a pull from the registry

grype docker-archive:*<file.tar>*
Scan a docker save tarball

grype pkg:*<purl>*
Check one package URL

--platform *<os/arch>*
Pick the image platform (linux/arm64)

--scope all-layers
Include layers hidden by later ones

--exclude *<glob>*
Skip matching paths (repeatable)

FILTERING

--only-fixed
Show only vulns with a fix available

FILTERING (cont.)

--ignore-states *<list>*
Drop fix states: fixed,not-fixed,unknown,wont-fix

--by-cve
Report by CVE ID, not GHSA ID

--sort-by *<key>*
Order: risk, severity, epss, kev, package

--ignore-states wont-fix
Skip issues the vendor will not fix

OUTPUT AND CI

--fail-on *<severity>*
Exit code 2 at or above this severity

-o table
Human-readable table (default)

-o json
Full JSON report

-o sarif
SARIF for code-scanning tools

-o json=*<file>*
Write one format to a file

-q
Quiet: no log output

IGNORE RULES AND CONFIG

.grype.yaml
Config file in the project root

ignore: - vulnerability: *<CVE>*
Suppress one CVE

ignore: package: name: *<regex>*
Suppress by package name

DATABASE

grype db update
Download the latest database

grype db check
Is a newer database available

grype db status
Show the cached DB's age and validity

grype db import *<file|url>*
Load a DB archive (air-gapped)

GRYPE_DB_AUTO_UPDATE=false
Do not fetch updates during a scan