dependency analysis, which checks the dependency graph of the software present in the image for published vulnerabilities

Clam from Cisco: Open-Source Antivirus

Quay Clair static assessment of vulnerabilities

Trivy from Aqua Security: Vulnerability Assessment

Cloud Native Security Platform and Cloud Security Posture Management (CSPM) SolutionsCloud Native Security Platform and Cloud Security Posture Management (CSPM) Solutions

 Common Vulnerabilities and Exposures list and CVE Details

dynamic scanning tools, such as [CNCF Falco](https://falco.org/), [Twistlock](https://www.twistlock.com/use-cases/docker-security-platform/), and [Aqua](https://www.aquasec.com/aqua-cloud-native-security-platform/).

<https://aws.amazon.com/blogs/containers/implementing-runtime-security-in-amazon-eks-using-cncf-falco/>

<https://www.prevasio.io/red-kangaroo>

**Docker Image Scanning Open-source Tools**

There are several Docker image scanning tools available, and some of the most popular include:

* [**Anchore Engine**](https://github.com/anchore/anchore-engine)**:** Anchore Engine is an open source image scanning tool. Provides a centralized service for inspection, analysis and applies user-defined acceptance policies to allow automated validation and certification of container images.
* [**CoreOS/Clair**](https://github.com/coreos/clair)**:** An open source project for the static analysis of vulnerabilities in application containers (currently including appc/Rkt and Docker).
* [**Vuls.io**](https://vuls.io/)**:** Agent-less Linux vulnerability scanner based on information from NVD, OVAL, etc. It has some container image support, although is not a container specific tool.
* [**OpenScap**](https://www.open-scap.org/)**:** Suite of automated audit tools to examine the configuration and known vulnerabilities in your software, following the NIST-certified Security Content Automation Protocol (SCAP). Not container specific again, but does include some level of support.

https://sysdig.com/blog/docker-image-scanning/