

## Danger of vulnerabilities

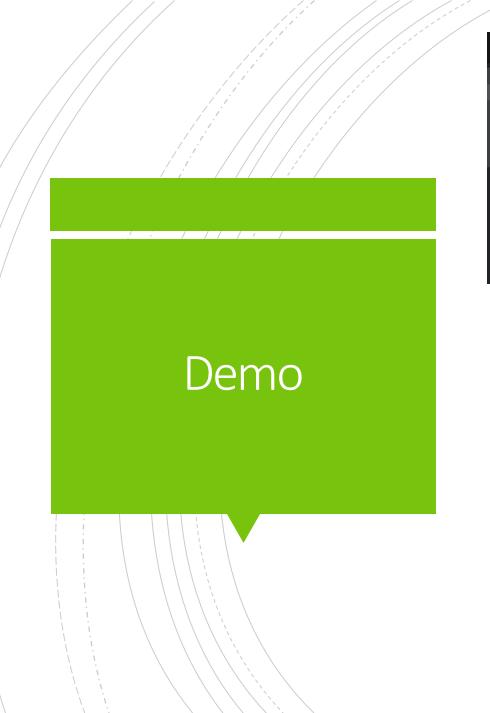
- Image vulnerabilities
  - For example: using an untrusted base image in your Dockerfile, you'd be exposing yourself to vulnerable system libraries bundled with the image.
- Vulnerabilities in system libraries
  - In 2018 alone 1,597 vulnerabilities in system libraries were tracked with known CVEs assigned, which is more than four times the number of vulnerabilities compared to 2017
  - Year over year high and critical vulnerabilities number is growing

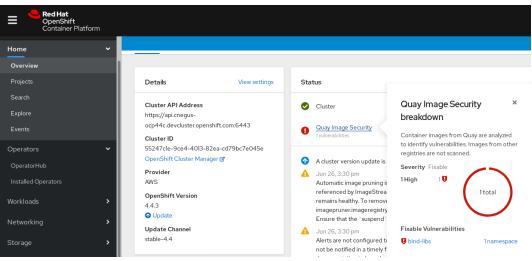
## Container Security using Red Hat Quay with Clair

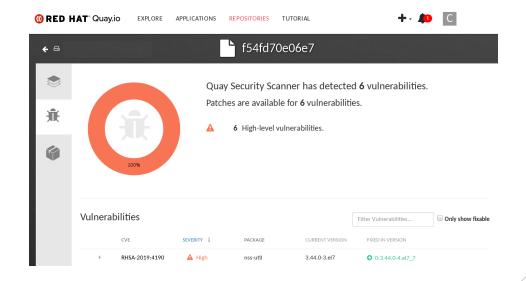




- Red Hat Quay is a distributed and highly available container image registry
- Red Hat Quay supports scanning container images for known vulnerabilities with a scanning engine such as Clair
- Clair provides a tool to monitor the security of your containers through the static analysis of vulnerabilities in applications and docker containers.
- Clair is an API-driven analysis engine that inspects containers layer-by-layer for known security flaws.
- Using Clair, you can easily build services that provide continuous monitoring for container vulnerabilities.
- Available as part of OpenShift Platform Plus







## Further information

- https://developers.redhat.com/blog/2019/06/26/usingquay-io-to-find-vulnerabilities-in-your-containerimages
- https://access.redhat.com/documentation/enus/red\_hat\_quay/2.9/html/manage\_red\_hat\_quay/quay -security-scanner
- https://docs.openshift.com/containerplatform/4.9/security/pod-vulnerability-scan.html