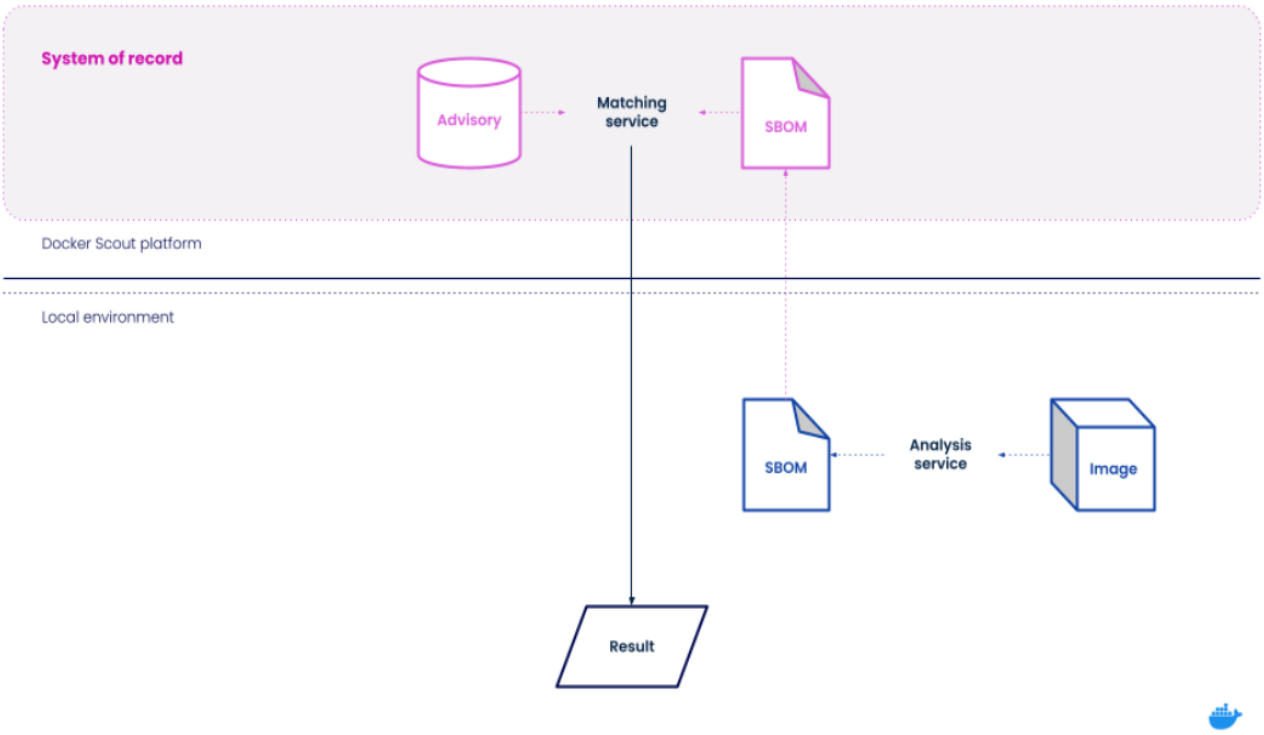
Scout Data Transmission Overview

We understand that organizations are sensitive about what data is transmitted outside of their network. This overview is intended to inform you of when and how Docker Scout transmitts data to our cloud based services so that you may make an educated decision about your usage of it.

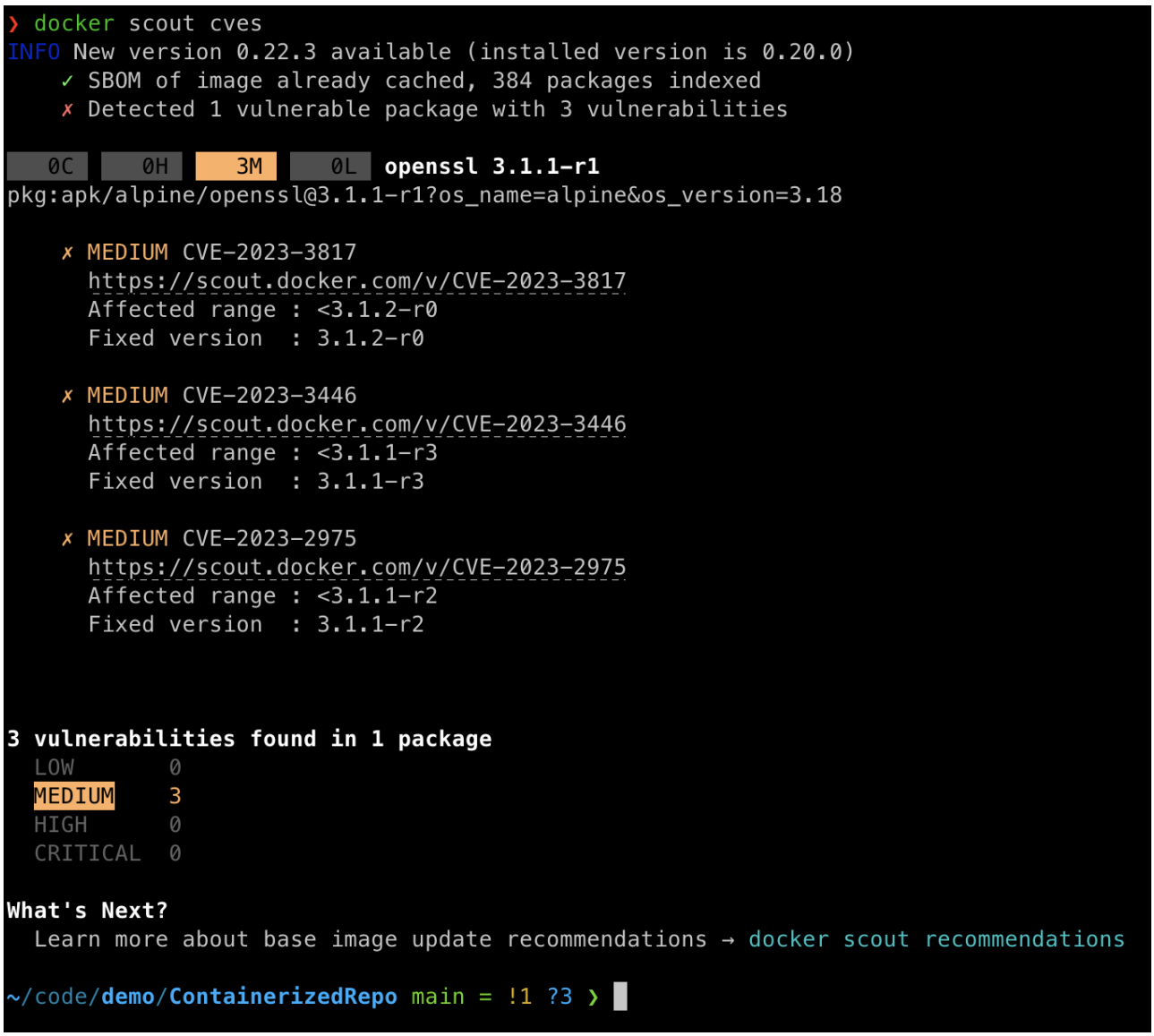
Architecture

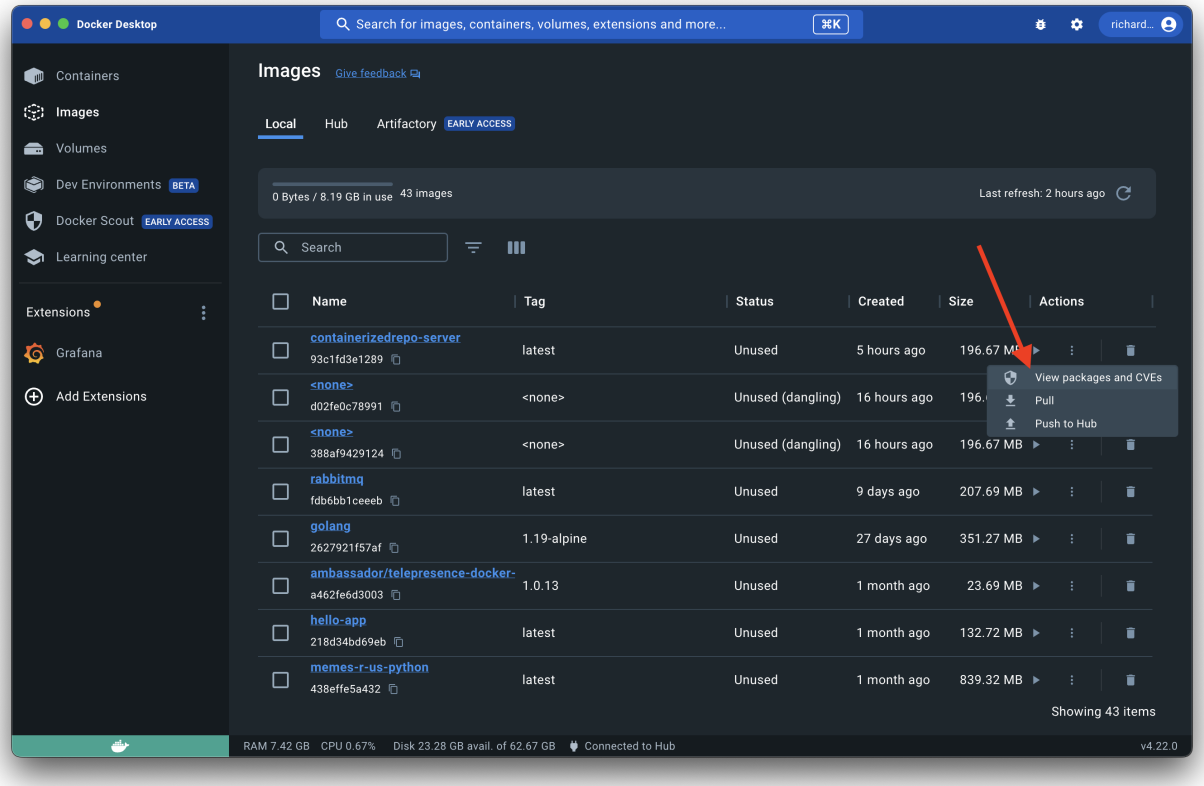


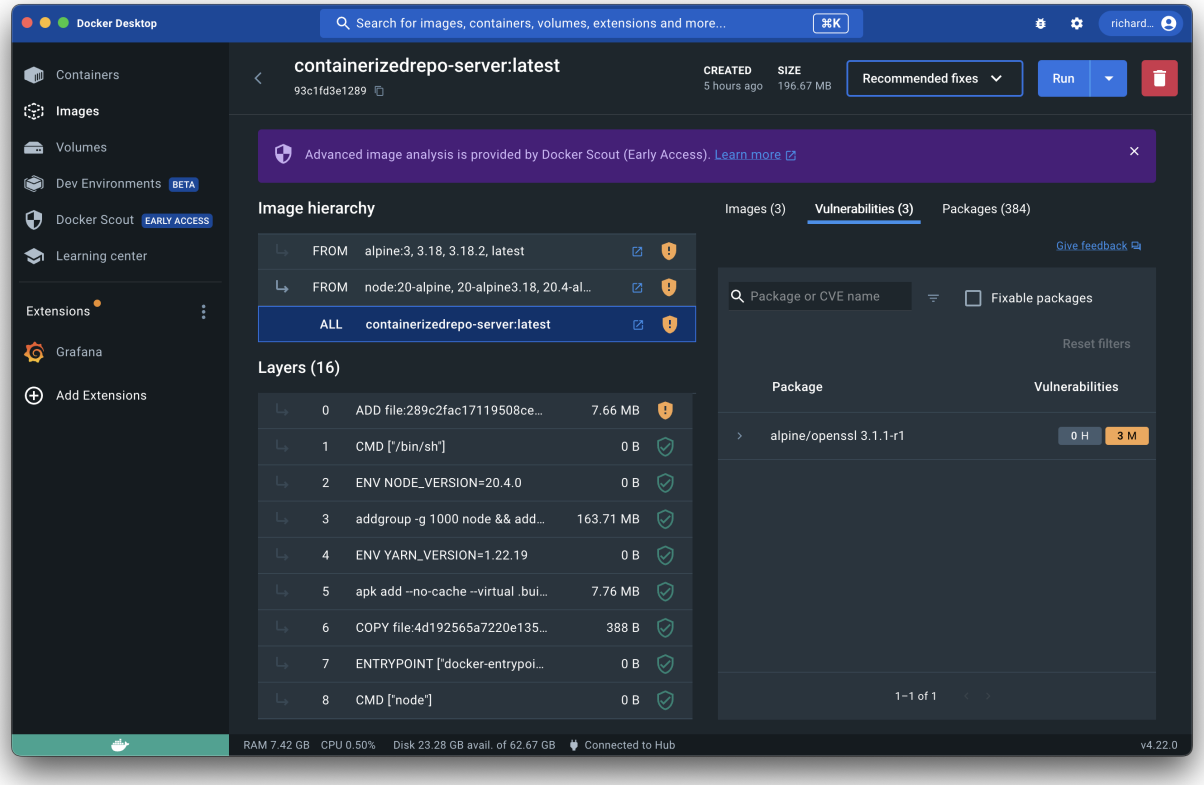
When does transmission happen?

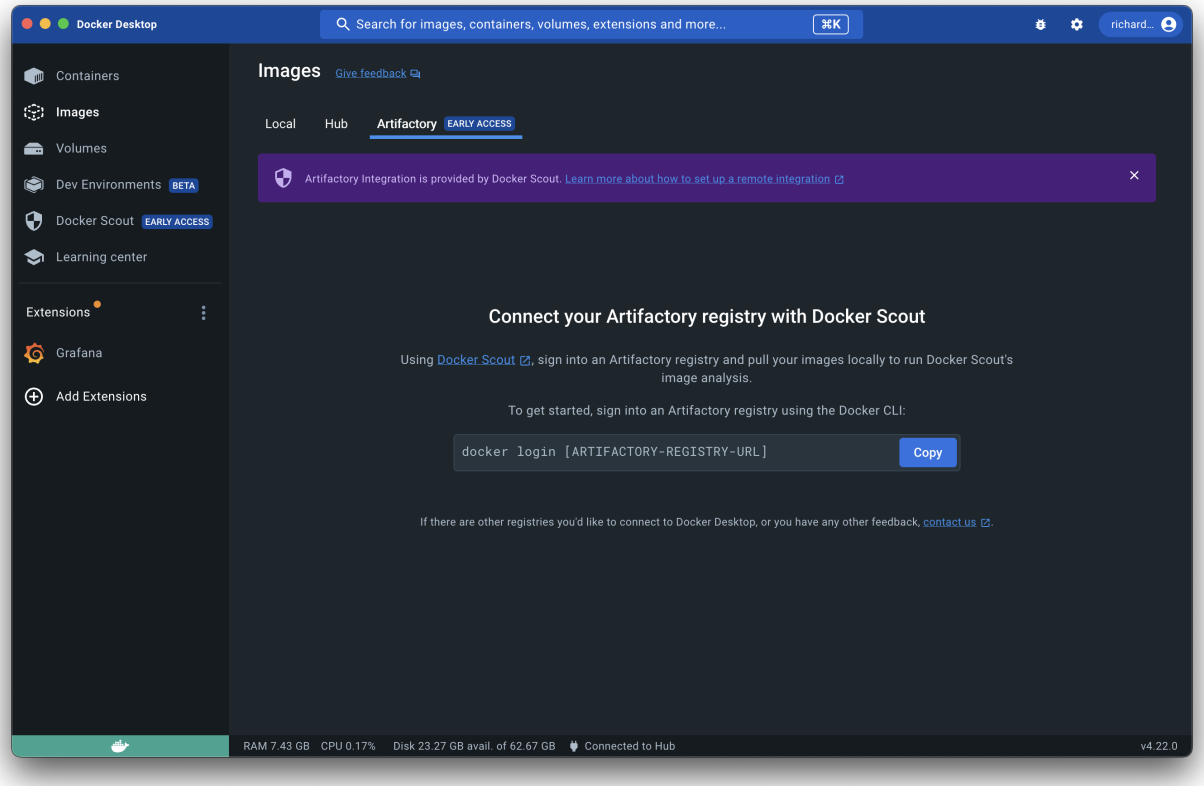
Causes external transmission of data

- Examining for CVEs:




Docker Desktop
Search for images, containers, volumes, extensions and more...
⌘K
richard...
Containers
Images
Volumes
Dev Environments BETA
Docker Scout EARLY ACCESS
Learning center
Extensions
Grafana
Add Extensions
Images
Give feedback
Local
Hub
Artifactory EARLY ACCESS
0 Bytes / 8.19 GB in use
43 images
Last refresh: 2 hours ago
Search
Name
Tag
Status
Created
Size
Actions
containerizedrepo-server
93c1fd3e1289
latest
Unused
5 hours ago
196.67 MB
<none>
d02fe0c78991
<none>
Unused (dangling)
16 hours ago
<none>
388af9429124
<none>
Unused (dangling)
16 hours ago
196.67 MB
rabbitmq
fdb6bb1ceeeb
latest
Unused
9 days ago
207.69 MB
golang
2627921f57af
1.19-alpine
Unused
27 days ago
351.27 MB
ambassador/telepresence-docker-
a462fe6d3003
1.0.13
Unused
1 month ago
23.69 MB
hello-app
218d34bd69eb
latest
Unused
1 month ago
132.72 MB
memes-r-us-python
438effe5a432
latest
Unused
1 month ago
839.32 MB
View packages and CVEs
Pull
Push to Hub
Showing 43 items
RAM 7.42 GB CPU 0.67% Disk 23.28 GB avail. of 62.67 GB Connected to Hub
v4.22.0


Docker Desktop
Search for images, containers, volumes, extensions and more...
⌘K
richard...
Containers
Images
Volumes
Dev Environments BETA
Docker Scout EARLY ACCESS
Learning center
Extensions
Grafana
Add Extensions
containerizedrepo-server:latest
93c1fd3e1289
CREATED
5 hours ago
SIZE
196.67 MB
Recommended fixes
Run
Advanced image analysis is provided by Docker Scout (Early Access). Learn more
Image hierarchy
FROM alpine:3, 3.18, 3.18.2, latest
FROM node:20-alpine, 20-alpine3.18, 20.4-al...
ALL containerizedrepo-server:latest
Layers (16)
0 ADD file:289c2fac17119508ce... 7.66 MB
1 CMD ["/bin/sh"] 0 B
2 ENV NODE_VERSION=20.4.0 0 B
3 addgroup -g 1000 node && add... 163.71 MB
4 ENV YARN_VERSION=1.22.19 0 B
5 apk add --no-cache --virtual .bui... 7.76 MB
6 COPY file:4d192565a7220e135... 388 B
7 ENTRYPOINT ["docker-entrypoi... 0 B
8 CMD ["node"] 0 B
Images (3)
Vulnerabilities (3)
Packages (384)
Give feedback
Package or CVE name
Fixable packages
Reset filters
Package
Vulnerabilities
alpine/openssl 3.1.1-r1
0 H
3 M
1–1 of 1
RAM 7.42 GB CPU 0.50% Disk 23.28 GB avail. of 62.67 GB Connected to Hub
v4.22.0



Does **not** cause external transmission of data

- CLI based SBOM generation

```
❯ docker scout sbom
{"level":"info","msg":"SBOM of image already cached, 384 packages indexed\n","time":"2023-08-09T15:36:02-07:00"}
{
  "source": {
    "type": "image",
    "image": {
      "name": "containerizedrepo-server",
      "digest": "sha256:93c1fd3e12894d61ff44378ca6551fb1d71a8af73444700d512d04e494f78a92",
      "tags": [
        "latest"
      ],
      "manifest": {
        "schemaVersion": 2,
        "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
        "config": {
          "mediaType": "application/vnd.docker.container.image.v1+json",
          "size": 7250,
          "digest": "sha256:93c1fd3e12894d61ff44378ca6551fb1d71a8af73444700d512d04e494f78a92"
        },
        "layers": [
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 7949824,
            "digest": "sha256:61f2871f545a9b23a9340f96b331fb660b43008a9e84a03ad8564271bce5743b"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 167839232,
            "digest": "sha256:06f538143d3bf1972f7b09e031d45f48985d0cb579af16b906ffb278b7b956cd"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 7795200,
            "digest": "sha256:caee5544f52639e6dd51dee70a4520a82252793852a40e909464769db8b62672"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 3584,
            "digest": "sha256:609a46bde68b475022f739d0d632d0a7782532e5fb7488fd8ba09007010bc04b"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 2560,
            "digest": "sha256:9386762938cb16239571511dc2d738e5cae380c002e6d221896b74ce87b9c545"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 21036544,
            "digest": "sha256:a50082ff4667b110b6e86afd7fc17053ec2059fb4574da168e3fa661e794da31"
          },
          {
            "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip",
            "size": 71680,
```

What Metadata do we store?

- Docker/OCI image metadata
    - Image creation timestamp
    - The digest of the image
    - Ports exposed by the image
    - Environment variable name / value
    - Name and value of image label
    - Image layer ordering
    - Hardware architecture
    - Operating system, and version
    - Registry URL, and type

- Software Bill of materials metadata
    - Advisory Prefix URL (PURL)
    - Package author, and description + License IDs
    - Package name, and namespace + Package scheme, and size
    - Package type, and version
    - File path within the image
    - The type of direct dependency
    - Total count of packages

The complete list of metadata stored can be found here

Where is it stored?

- Amazon Web Services (AWS) on servers located in US-EAST, USA
- Google Cloud Platform (GCP) on servers located in US-EAST, USA