# skopeo Move container images

## CONCEPTS

Skopeo needs no daemon and no root: it talks to registries and storage directly, without pulling images first.

**Source** docker:// dir: oci:
↓ `skopeo copy`
**skopeo** no daemon, no root
↓ writes
**Destination** docker:// dir: oci-archive:

copy moves manifest, layers and signatures between any two transports

### Transports (image name prefixes)

| Prefix | Points at |
|---|---|
| `docker://<ref>` | Registry (Docker Registry API v2) |
| `dir:<path>` | Directory of manifest and layer files |
| `oci:<path>:<tag>` | OCI image layout directory |
| `oci-archive:<path>:<tag>` | Tar of an OCI layout |
| `docker-archive:<path>` | Tar made by docker save |
| `docker-daemon:<ref>` | Local Docker daemon (needs tag) |
| `containers-storage:<ref>` | Podman/Buildah local storage |

Global options such as --override-arch go before the subcommand; subcommand options go after it.

## INSPECT & LIST

`skopeo inspect docker://<image>`
Show manifest summary without pulling

`skopeo list-tags docker://<repo>`
List tags in a repository

`skopeo inspect --config docker://<image>`
Show the image config (env, cmd, arch)

`skopeo inspect --raw docker://<image>`
Print the raw manifest

## COPY

`skopeo copy <src> <dst>`
Copy an image between transports

`skopeo copy docker://<image> dir:<path>`
Download layers to a directory

`skopeo copy --all <src> <dst>`
Copy every platform plus the list

`skopeo copy --format <oci|v2s1|v2s2> <src> <dst>`
Convert manifest type

## SYNC & DELETE

`skopeo sync --src docker --dest docker <src> <dst>`
Mirror all tags of a repo

`skopeo sync --src docker --dest dir <repo> <dir>`
Registry to local directory

`skopeo sync --src yaml --dest docker <file.yml> <dst>`
Sync what a YAML file lists

`skopeo delete docker://<image>`
Mark an image for deletion

## AUTH & TLS

`skopeo login <registry>`
Log in and store credentials

`skopeo logout <registry>`
Remove stored credentials

`skopeo login -u <user> --password-stdin <registry>`
Log in with password from stdin

`skopeo copy --src-creds <u:p> --dest-creds <u:p> <src> <dst>`
Separate credentials per side

## PLATFORM & POLICY

`skopeo --override-arch <arch> inspect docker://<image>`
Look at another architecture