skopeo Move container images

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

CONCEPTS

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

CONCEPTS (cont.)

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

CONCEPTS (cont.)

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

`skopeo inspect --format '{{ .Digest }}' docker://<image>`
Pick one field with a Go template

`skopeo inspect --no-tags docker://<image>`
Leave out the long tag list

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

`skopeo copy --digestfile <file> <src> <dst>`
Write resulting digest to a file

`skopeo copy --retry-times <n> --retry-delay <t> <src> <dst>`
Retry flaky transfers

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

SYNC & DELETE (cont.)

`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