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Rocky Enterprise Linux 9.2 Manual Pages on command 'podman-push.1'

\$ man podman-push.1

podman-push(1)() podman-push(1)()

NAME

podman-push - Push an image, manifest list or image index from local storage to elsewhere

SYNOPSIS

```
podman push [options] image [destination]
podman image push [options] image [destination]
```

DESCRIPTION

Pushes an image, manifest list or image index from local storage to a specified destination. Push is mainly used to push images to registries, however podman push can be used to save images to tarballs and directories using the following transports: dir:, docker-archive:, docker-daemon: and oci-archive:.

Image storage

Images are pushed from those stored in local image storage.

DESTINATION

DESTINATION is the location the container image is pushed to. It supports all transports from containers-transports(5). If no transport is specified, the docker (i.e., container registry) transport is used. For remote clients, docker is the only supported transport.

```
# Push to a container registry
$ podman push quay.io/podman/stable

# Push to a container registry via the docker transport
$ podman push docker://quay.io/podman/stable

# Push to a container registry with another tag
$ podman push myimage quay.io/username/myimage
```

Push to a local directory

```
$ podman push myimage dir:/tmp/myimage
```

Push to a tarball in the docker-archive format

```
$ podman push myimage docker-archive:/tmp/myimage
```

Push to a local docker daemon

```
$ sudo podman push myimage docker-daemon:docker.io/library/myimage:33
```

Push to a tarball in the OCI format

```
$ podman push myimage oci-archive:/tmp/myimage
```

OPTIONS

`--authfile=path`

Path of the authentication file. Default is `${XDG_RUNTIME_DIR}/containers/auth.json`, which is set using `podman login`. If the authorization state is not found there, `$HOME/.docker/config.json` is checked, which is set using `docker login`.

Note: You can also override the default path of the authentication file by setting the `REGISTRY_AUTH_FILE` environment variable. `export REGISTRY_AUTH_FILE=path`

`--creds=[username[:password]]`

The `[username[:password]]` to use to authenticate with the registry if required. If one or both values are not supplied, a command line prompt will appear and the value can be entered. The password is entered without echo.

`--cert-dir=path`

Use certificates at path (`*.crt`, `*.cert`, `*.key`) to connect to the registry. (Default: `/etc/containers/certs.d`) Please refer to `containers-certs.d(5)` for details. (This option is not available with the remote Podman client)

`--compress`

Compress tarball image layers when pushing to a directory using the 'dir' transport. (default is same compression type, compressed or uncompressed, as source) Note: This flag can only be set when using the dir transport

`--digestfile Digestfile`

After copying the image, write the digest of the resulting image to the file. (This option is not available with the remote Podman client)

`--disable-content-trust`

This is a Docker specific option to disable image verification to a Docker registry and is not supported by Podman. This flag is a NOOP and provided solely for scripting compatibility

bility.

`--format, -f=format`

Manifest Type (oci, v2s2, or v2s1) to use when pushing an image.

`--quiet, -q`

When writing the output image, suppress progress output

`--remove-signatures`

Discard any pre-existing signatures in the image. (This option is not available with the remote Podman client)

`--sign-by=key`

Add a signature at the destination using the specified key. (This option is not available with the remote Podman client)

`--tls-verify=true|false`

Require HTTPS and verify certificates when contacting registries (default: true). If explicitly set to true, then TLS verification will be used. If set to false, then TLS verification will not be used. If not specified, TLS verification will be used unless the target registry is listed as an insecure registry in registries.conf.

EXAMPLE

This example pushes the image specified by the imageID to a local directory in docker format.

```
# podman push imageID dir:/path/to/image
```

This example pushes the image specified by the imageID to a local directory in oci format.

```
# podman push imageID oci-archive:/path/to/layout:image:tag
```

This example pushes the image specified by the imageID to a container registry named registry.example.com

```
# podman push imageID docker://registry.example.com/repository:tag
```

This example pushes the image specified by the imageID to a container registry named registry.example.com and saves the digest in the specified digestfile.

```
# podman push --digestfile=/tmp/mydigest imageID docker://registry.example.com/repository:tag
```

This example pushes the image specified by the imageID and puts it into the local docker container store

```
# podman push imageID docker-daemon:image:tag
```

This example pushes the alpine image to umohnani/alpine on dockerhub and reads the creds

from the path given to --authfile

```
# podman push --authfile temp-auths/myauths.json alpine docker://docker.io/umohnani/alpine
Getting image source signatures
Copying blob sha256:5bef08742407efd622d243692b79ba0055383bbce12900324f75e56f589aedb0
4.03 MB / 4.03 MB [=====] 1s
Copying config sha256:ad4686094d8f0186ec8249fc4917b71faa2c1030d7b5a025c29f26e19d95c156
1.41 KB / 1.41 KB [=====] 1s
Writing manifest to image destination
Storing signatures
```

This example pushes the rhel7 image to rhel7-dir with the "oci" manifest type

```
# podman push --format oci registry.access.redhat.com/rhel7 dir:rhel7-dir
Getting image source signatures
Copying blob sha256:9cadd93b16ff2a0c51ac967ea2abfadfac50cfa3af8b5bf983d89b8f8647f3e4
71.41 MB / 71.41 MB [=====] 9s
Copying blob sha256:4aa565ad8b7a87248163ce7dba1dd3894821aac97e846b932ff6b8ef9a8a508a
1.21 KB / 1.21 KB [=====] 0s
Copying config sha256:f1b09a81455c351eaa484b61aacd048ab613c08e4c5d1da80c4c46301b03cf3b
3.01 KB / 3.01 KB [=====] 0s
Writing manifest to image destination
Storing signatures
```

SEE ALSO

podman(1), podman-pull(1), podman-login(1), containers-certs.d(5), containers-trans?
ports(5)

podman-push(1)()