



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'podman-manifest-add.1' command

\$ man podman-manifest-add.1

podman-manifest-add(1) General Commands Manual podman-manifest-add(1)

NAME

podman-manifest-add - Add an image to a manifest list or image index

SYNOPSIS

podman manifest add [options] listnameorindexname [transport]:imagename

DESCRIPTION

Adds the specified image to the specified manifest list or image index.

RETURN VALUE

The list image's ID.

OPTIONS

--all

If the image which should be added to the list or index is itself a list or index, add all of the contents to the local list. By default, only one image from such a list or index will be added to the list or index. Combining --all with any of the other options described below is NOT recommended.

--annotation=annotation=value

Set an annotation on the entry for the image.

--arch

Override the architecture which the list or index records as a requirement for the image. If imageName refers to a manifest list or image index, the architecture information will be retrieved from it. Otherwise, it will be retrieved from the image's configuration information.

`--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: There is also the option to override the default path of the authentication file by setting the `REGISTRY_AUTH_FILE` environment variable. This can be done with `export REGISTRY_AUTH_FILE=path`.

`--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, including Mac and Windows (excluding WSL2) machines)

`--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.

`--features`

Specify the features list which the list or index records as requirements for the image. This option is rarely used.

`--os`

Override the OS which the list or index records as a requirement for the image. If `imagename` refers to a manifest list or image index, the OS information will be retrieved from it. Otherwise, it will be retrieved from the image's configuration information.

`--os-version`

Specify the OS version which the list or index records as a requirement for the image. This option is rarely used.

`--tls-verify`

Require HTTPS and verify certificates when contacting registries (default: true). If explicitly set to true, TLS verification will be used. If set to false, 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 containers-registries.conf(5)

--variant

Specify the variant which the list or index records for the image.

This option is typically used to distinguish between multiple entries which share the same architecture value, but which expect different versions of its instruction set.

Transport

Multiple transports are supported:

docker://docker-reference (default)

An image in a registry implementing the "Docker Registry HTTP API V2". By default, uses the authorization state in \$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).

```
$ podman manifest add mylist:v1.11 docker://quay.io/username/myimage
containers-storage:oci-reference
```

An image in oci-reference format stored in the local container storage. oci-reference must contain a tag.

```
$ podman manifest add mylist:v1.11 containers-storage:quay.io/username/myimage
dir:path
```

An existing local directory path storing the manifest, layer tarballs, and signatures as individual files. This is a non-standardized format, primarily useful for debugging or non-invasive container inspection.

```
$ podman manifest add dir:/tmp/myimage
docker-archive:path[:docker-reference]
```

An image is stored in the docker save formatted file. docker-reference is only used when creating such a file, and it must not contain a digest.

```
$ podman manifest add docker-archive:/tmp/myimage
docker-daemon:docker-reference
```

An image in docker-reference format stored in the docker daemon in?

ternal storage. The docker-reference can also be an image ID (docker-daemon:algo:digest).

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

oci-archive:path:tag

An image tag in a directory compliant with "Open Container Image Layout Specification" at path.

```
$ podman manifest add oci-archive:/tmp/myimage
```

EXAMPLE

```
podman manifest add mylist:v1.11 docker://fedora
```

```
71c201d10ffdcac52968a000d85a0a016ca1c7d5473948000d3131c1773d965
```

```
podman manifest add --all mylist:v1.11 docker://fedora
```

```
71c201d10ffdcac52968a000d85a0a016ca1c7d5473948000d3131c1773d965
```

```
podman manifest add --arch arm64 --variant v8 mylist:v1.11
```

```
docker://71c201d10ffdcac52968a000d85a0a016ca1c7d5473948000d3131c1773d965
```

SEE ALSO

podman(1), podman-manifest(1)

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