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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'podman-image-list.1' command

\$ man podman-image-list.1

podman-images(1) General Commands Manual podman-images(1)

NAME

podman-images - List images in local storage

SYNOPSIS

podman images [options] [image]

podman image list [options] [image]

podman image ls [options] [image]

DESCRIPTION

Displays locally stored images, their names, and their IDs.

OPTIONS

--all, -a

Show all images (by default filter out the intermediate image layers).

The default is false.

--digests

Show image digests

--filter, -f=filter

Provide filter values.

The filters argument format is of key=value or key!=value. If there is more than one filter, then pass multiple OPTIONS: --filter foo=bar

--filter bif=baz.

Supported filters:

??

?Filter ? Description ?

??

?id ? Filter by image id. ?

??

?before ? Filter by images created ?

? ? before the given IMAGE ?

? ? (name or tag). ?

??

?containers ? Filter by images with a ?

? ? running container. ?

??

?dangling ? Filter by dangling (un? ?

? ? used) images. ?

??

?digest ? ?

??

?intermediate ? Filter by images that are ?

? ? dangling and have no chil? ?

? ? dren ?

??

?label ? Filter by images with (or ?

? ? without, in the case of ?

? ? label!=[...] is used) the ?

? ? specified labels. ?

??

?manifest ? Filter by images that are ?

? ? manifest lists. ?

??

?readonly ? Filter by read-only or ?

? ? read/write images. ?

??

?reference ? Filter by image name. ?

??

?after/since ? Filter by images created ?

? ? after the given IMAGE ?

? ? (name or tag). ?

??

?until ? Filter by images created ?

? ? until the given duration ?

? ? or time. ?

??

The id filter accepts the image id string.

The before filter accepts formats: <image-name>[:<tag>], <image id> or <image@digest>.

The containers filter shows images that have a running container based on that image.

The dangling filter shows images that are taking up disk space and serve no purpose. Dangling image is a file system layer that was used in a previous build of an image and is no longer referenced by any image. They are denoted with the <none> tag, consume disk space and serve no active purpose.

The digest filter accepts the image digest string.

The intermediate filter shows images that are dangling and have no children.

The label filter accepts two formats. One is the label=key or label=key=value, which shows images with the specified labels. The other format is the label!=key or label!=key=value, which shows images without the specified labels.

The manifest filter shows images that are manifest lists.

The readonly filter shows, as a default, both read-only and read/write images. Read-only images can be configured by modifying the read_only_images in the /etc/containers/storage.conf file.

The reference filter accepts the pattern of an image reference <image-name>[:<tag>].

The after or since filter accepts formats: <image-name>[:<tag>], <image id> or <image@digest>.

The until filter accepts formats: golang duration, RFC3339 time, or a

Unix timestamp and shows all images that are created until that time.

--format=format

Change the default output format. This can be of a supported type like

'json' or a Go template. Valid placeholders for the Go template are

listed below:

??

?Placeholder ? Description ?

??

?Containers ? Number of containers using ?

? ? this image ?

??

?Created ? Elapsed time since the image ?

? ? was created ?

??

?CreatedAt ? Time when the image was cre? ?

? ? ated, YYYY-MM-DD HH:MM:SS ?

? ? +nnnn ?

??

?CreatedSince ? Same as .Created ?

??

?CreatedTime ? Same as .CreatedAt ?

??

?Dangling ? Same as .IsDangling ?

??

?Digest ? Image digest ?

??

?History ? History of the image layer ?

??

?ID ? Image ID (truncated) ?

??

?Id ? Image ID (full SHA) ?

??

?ImageSummary ? Internal data structure, not ?

? ? actually useful ?
??
?.IsDangling ? Is image dangling? ?
? ? (true/false) ?
??
?.IsReadOnly ? Is unage read-only? ?
? ? (true/false) ?
??
?.Labels ? map[] of labels ?
??
?.Names ? Image FQIN ?
??
?.ParentId ? Full SHA of parent image ID, ?
? ? or null (string) ?
??
?.ReadOnly ? Same as .IsReadOnly ?
??
?.RepoDigests ? map[] of zero or more ?
? ? repo/name@sha256:SHA strings ?
??
?.Repository ? Image repository ?
??
?.RepoTags ? map[] of zero or more FQIN ?
? ? strings for this image ?
??
?.SharedSize ? Always seems to be 0 ?
??
?.Size ? Size of layer on disk (human- ?
? ? friendly string) ?
??
?.Tag ? Image tag ?
??
?.VirtualSize ? Size of layer on disk (bytes) ?

??

--history

Display the history of image names. If an image gets re-tagged or untagged, then the image name history gets prepended (latest image first). This is especially useful when undoing a tag operation or an image does not contain any name because it has been untagged.

--no-trunc

Do not truncate the output (default false).

--noheading, -n

Omit the table headings from the listing.

--quiet, -q

Lists only the image IDs.

--sort=sort

Sort by created, id, repository, size or tag (default: created)

EXAMPLE

\$ podman images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
quay.io/podman/stable	latest	e0b7dabc3352	22 hours ago	331 MB
docker.io/library/alpine	latest	9c6f07244728	5 days ago	5.83 MB
registry.fedoraproject.org/fedora	latest	2ecb6df95994	3 weeks ago	169 MB
quay.io/libpod/testimage	20220615	f26aa69bb3f3	2 months ago	8.4 MB

\$ podman images stable

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
quay.io/podman/stable	latest	e0b7dabc3352	22 hours ago	331 MB

podman image ls --quiet

- e3d42bc643
- ebb91b73692b
- 4526339ae51c

podman images --noheading

docker.io/kubernetes/pause	latest	e3d42bc643	3 years ago	251 kB
<none>	<none>	ebb91b73692b	4 weeks ago	27.2 MB
docker.io/library/ubuntu	latest	4526339ae51c	6 weeks ago	126 MB

podman image list --no-trunc

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
docker.io/kubernetes/pause	latest			
sha256:e3d42bcacf643097dd1bb0385658ae8cbe100a80f773555c44690d22c25d16b27	3 years ago			251 kB
<none>	<none>			
sha256:ebb91b73692bd27890685846412ae338d13552165eacf7fcd5f139bfa9c2d6d9	4 weeks ago			27.2 MB
docker.io/library/ubuntu	latest			
sha256:4526339ae51c3cdc97956a7a961c193c39dfc6bd9733b0d762a36c6881b5583a	6 weeks ago			126 MB

```
# podman images --format "table {{.ID}} {{.Repository}} {{.Tag}}"
```

IMAGE ID	REPOSITORY	TAG
e3d42bcacf643	docker.io/kubernetes/pause	latest
ebb91b73692b	<none>	<none>
4526339ae51c	docker.io/library/ubuntu	latest

```
# podman images --filter dangling=true
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	ebb91b73692b	4 weeks ago	27.2 MB

```
# podman images --format json
```

```
[
  {
    "id": "e3d42bcacf643097dd1bb0385658ae8cbe100a80f773555c44690d22c25d16b27",
    "names": [
      "docker.io/kubernetes/pause:latest"
    ],
    "digest": "sha256:0aecf73ff86844324847883f2e916d3f6984c5fae3c2f23e91d66f549fe7d423",
    "created": "2014-07-19T07:02:32.267701596Z",
    "size": 250665
  },
  {
    "id": "ebb91b73692bd27890685846412ae338d13552165eacf7fcd5f139bfa9c2d6d9",
    "names": [
      "\u003cnone\u003e"
    ],
    "digest": "sha256:ba7e4091d27e8114a205003ca6a768905c3395d961624a2c78873d95264610329"
```

```

    "created": "2017-10-26T03:07:22.796184288Z",
    "size": 27170520
  },
  {
    "id": "4526339ae51c3cdc97956a7a961c193c39dfc6bd9733b0d762a36c6881b5583a",
    "names": [
      "docker.io/library/ubuntu:latest"
    ],
    "digest": "sha256:193f7734ddd68e0fb24ba9af8c2b673aecb0227b026871f8e932dab45add7753",
    "created": "2017-10-10T20:59:05.10196344Z",
    "size": 126085200
  }
]

```

```
# podman images --sort repository
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	2460217d76fc	About a minute ago	4.41 MB
docker.io/library/alpine	latest	3fd9065eaf02	5 months ago	4.41 MB
localhost/myapp	latest	b2e0ad03474a	About a minute ago	4.41 MB
registry.access.redhat.com/rhel7	latest	7a840db7f020	2 weeks ago	211 MB
registry.fedoraproject.org/fedora	27	801894bc0e43	6 weeks ago	246 MB

```
# podman images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
localhost/test	latest	18f0c080cd72	4 seconds ago	4.42 MB
docker.io/library/alpine	latest	3fd9065eaf02	5 months ago	4.41 MB

```
# podman images -a
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
localhost/test	latest	18f0c080cd72	6 seconds ago	4.42 MB
<none>	<none>	270e70dc54c0	7 seconds ago	4.42 MB
<none>	<none>	4ed6fbe43414	8 seconds ago	4.41 MB
<none>	<none>	6b0df8e71508	8 seconds ago	4.41 MB
docker.io/library/alpine	latest	3fd9065eaf02	5 months ago	4.41 MB

SEE ALSO

podman(1), containers-storage.conf(5)

HISTORY

March 2017, Originally compiled by Dan Walsh <dwalsh@redhat.com>

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