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

\$ man podman-inspect.1

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

NAME

podman-inspect - Display a container, image, volume, network, or pod's configuration

SYNOPSIS

podman inspect [options] name [...]

DESCRIPTION

This displays the low-level information on containers and images identified by name or ID. By default, this will render all results in a JSON array. If the inspect type is all, the order of inspection is: containers, images, volumes, network, pods.

So, if a container has the same name as an image, then the container JSON will be returned, and so on.

If a format is specified, the given template will be executed for each result.

For more inspection options, see also podman-container-inspect(1), podman-image-inspect(1), podman-network-inspect(1), podman-pod-inspect(1), and podman-volume-inspect(1).

OPTIONS

--format, -f=format

Format the output using the given Go template. The keys of the returned JSON can be used as the values for the --format flag (see examples below).

`--latest, -l`

Instead of providing the container name or ID, use the last created container. Note: the last started container could be from other users of Podman on the host machine. (This option is not available with the remote Podman client, including Mac and Windows (excluding WSL2) machines)

`--size, -s`

In addition to normal output, display the total file size if the type is a container.

`--type, -t=type`

Return JSON for the specified type. Type can be 'container', 'image', 'volume', 'network', 'pod', or 'all' (default: all) (Only meaningful when invoked as `podman inspect`)

EXAMPLE

```
# podman inspect fedora
[
  {
    "Id": "f0858ad3febd45bb2e5501cb459afffacef081f79eaa436085c3b6d9bd46ca",
    "Digest": "sha256:d4f7df6b691d61af6cee7328f82f1d8afdef63bc38f58516858ae3045083924a",
    "RepoTags": [
      "docker.io/library/fedora:latest"
    ],
    "RepoDigests": [
      "docker.io/library/fedora@sha256:8fa60b88e2a7eac8460b9c0104b877f1aa0cea7fbc03c701b7e545daccfb433",
      "docker.io/library/fedora@sha256:d4f7df6b691d61af6cee7328f82f1d8afdef63bc38f58516858ae3045083924a"
    ],
    "Parent": "",
    "Comment": "",
    "Created": "2019-10-29T03:23:37.695123423Z",
    "Config": {
      "Env": [
```

"PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",

"DISTTAG=f31-updates-candidatecontainer",

"FGC=f31-updates-candidate",

"FBR=f31-updates-candidate"

],

"Cmd": [

"/bin/bash"

],

"Labels": {

"maintainer": "Clement Verna \u003ccverna@fedoraproject.org\u003e"

}

},

"Version": "18.06.1-ce",

"Author": "",

"Architecture": "amd64",

"Os": "linux",

"Size": 201096840,

"VirtualSize": 201096840,

"GraphDriver": {

"Name": "overlay",

"Data": {

"UpperDir":

"/home/user/.local/share/containers/storage/overlay/2ae3cee18c8ef9e0d448649747dab81c4f1ca2714a8c4550eff49574cab262c9/diff",

"WorkDir":

"/home/user/.local/share/containers/storage/overlay/2ae3cee18c8ef9e0d448649747dab81c4f1ca2714a8c4550eff49574cab262c9/work"

}

},

"RootFS": {

"Type": "layers",

"Layers": [

"sha256:2ae3cee18c8ef9e0d448649747dab81c4f1ca2714a8c4550eff49574cab262c9"

```
]
},
"Labels": {
  "maintainer": "Clement Verna \u003ccverna@fedoraproject.org\u003e"
},
"Annotations": {},
"ManifestType": "application/vnd.docker.distribution.manifest.v2+json",
"User": "",
"History": [
  {
    "created": "2019-01-16T21:21:55.569693599Z",
    "created_by": "/bin/sh -c #(nop) LABEL maintainer=Clement Verna
\u003ccverna@fedoraproject.org\u003e",
    "empty_layer": true
  },
  {
    "created": "2019-09-27T21:21:07.784469821Z",
    "created_by": "/bin/sh -c #(nop) ENV DISTTAG=f31-updates-candidatecontainer
FGC=f31-updates-candidate FBR=f31-updates-candidate",
    "empty_layer": true
  },
  {
    "created": "2019-10-29T03:23:37.355187998Z",
    "created_by": "/bin/sh -c #(nop) ADD
file:298f828afc880ccde9205fc4418435d5e696ad165e283f0530d0b1a74326d6dc in / "
  },
  {
    "created": "2019-10-29T03:23:37.695123423Z",
    "created_by": "/bin/sh -c #(nop) CMD [\"/bin/bash\"]",
    "empty_layer": true
  }
],
"NamesHistory": []
```

```
}
```

```
]
```

```
# podman inspect a04 --format "{{.ImageName}}"
```

```
fedora
```

```
# podman inspect a04 --format "{{.GraphDriver.Name}}"
```

```
overlay
```

```
# podman image inspect --format "size: {{.Size}}" alpine
```

```
size: 4405240
```

```
podman container inspect --latest --format {{.EffectiveCaps}}
```

```
[CAP_CHOWN CAP_DAC_OVERRIDE CAP_FSETID CAP_FOWNER CAP_SETGID CAP_SETUID
```

```
CAP_SETFCAP CAP_SETPCAP CAP_NET_BIND_SERVICE CAP_KILL]
```

```
# podman inspect myPod --type pod --format "{{.Name}}"
```

```
myPod
```

```
# podman inspect myVolume --type volume --format "{{.Name}}"
```

```
myVolume
```

```
# podman inspect nyNetwork --type network --format "{{.name}}"
```

```
myNetwork
```

SEE ALSO

podman(1), podman-container-inspect(1), podman-image-inspect(1), podman-network-inspect(1), podman-pod-inspect(1), podman-volume-inspect(1)

HISTORY

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podman-inspect(1)