



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

**\$ man podman-container-inspect.1**

podman-container-inspect(1) General Commands Manualpodman-container-inspect(1)

NAME

podman-container-inspect - Display a container's configuration

SYNOPSIS

podman container inspect [options] container [container ...]

DESCRIPTION

This displays the low-level information on containers identified by name or ID. By default, this will render all results in a JSON array.

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

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).

Valid placeholders for the Go template are listed below:

??

?Placeholder ? Description ?

??

?AppArmorProfile ? AppArmor profile (string) ?

??

?Args ? Command-line arguments (array ?

? ? of strings) ?

??

?BoundingCaps ? Bounding capability set (array of ?

? ray of strings) ?

??

?Config ... ? Structure with config info ?

??

?CommonPidFile ? Path to file containing container?

? mon pid (string) ?

??

?Created ? Container creation time ?

? (string, ISO3601) ?

??

?Dependencies ? Dependencies (array of ?

? strings) ?

??

?Driver ? Storage driver (string) ?

??

?EffectiveCaps ? Effective capability set (array of ?

? ray of strings) ?

??

?ExecIDs ? Exec IDs (array of strings) ?

??

?GraphDriver ... ? Further details of graph ?

? driver (struct) ?

??

?HostConfig ... ? Host config details (struct) ?

??

?HostnamePath ? Path to file containing host? ?

? name (string) ?

??

?HostsPath ? Path to container /etc/hosts ?

? file (string) ?

??

? .ID ? Container ID (full 64-char ?  
? ? hash) ?  
??  
?.Image ? Container image ID (64-char ?  
? ? hash) ?  
??  
?.ImageName ? Container image name (string) ?  
??  
?.IsInfra ? Is this an infra container? ?  
? ? (string: true/false) ?  
??  
?.IsService ? Is this a service container? ?  
? ? (string: true/false) ?  
??  
?.MountLabel ? SELinux label of mount ?  
? ? (string) ?  
??  
?.Mounts ? Mounts (array of strings) ?  
??  
?.Name ? Container name (string) ?  
??  
?.Namespace ? Container namespace (string) ?  
??  
?.NetworkSettings ... ? Network settings (struct) ?  
??  
?.OCIConfigPath ? Path to OCI config file ?  
? ? (string) ?  
??  
?.OCIRuntime ? OCI runtime name (string) ?  
??  
?.Path ? Path to container command ?  
? ? (string) ?  
??

```

?.PidFile      ? Path to file containing con? ?
?              ? tainer PID (string)      ?
????????????????????????????????????????????????????????????????
?.Pod          ? Parent pod (string)      ?
????????????????????????????????????????????????????????????????
?.ProcessLabel ? SELinux label of process ?
?              ? (string)                 ?
????????????????????????????????????????????????????????????????
?.ResolvConfPath ? Path to container's re? ?
?              ? solv.conf file (string)  ?
????????????????????????????????????????????????????????????????
?.RestartCount  ? Number of times container has ?
?              ? been restarted (int)     ?
????????????????????????????????????????????????????????????????
?.Rootfs        ? Container rootfs (string) ?
????????????????????????????????????????????????????????????????
?.SizeRootFs    ? Size of rootfs, in bytes [1] ?
????????????????????????????????????????????????????????????????
?.SizeRw        ? Size of upper (R/W) container ?
?              ? layer, in bytes [1]      ?
????????????????????????????????????????????????????????????????
?.State ...     ? Container state info (struct) ?
????????????????????????????????????????????????????????????????
?.StaticDir     ? Path to container metadata ?
?              ? dir (string)             ?
????????????????????????????????????????????????????????????????

```

[1] This format specifier requires the --size option

--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.

#### EXAMPLE

```
$ podman container inspect foobar
```

```
[
  {
    "Id": "99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6",
    "Created": "2021-09-16T06:09:08.936623325-04:00",
    "Path": "echo",
    "Args": [
      "hi"
    ],
    "State": {
      "OciVersion": "1.0.2-dev",
      "Status": "exited",
      "Running": false,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 0,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2021-09-16T06:09:09.033564436-04:00",
      "FinishedAt": "2021-09-16T06:09:09.036184314-04:00",
      "Healthcheck": {
        "Status": "",
        "FailingStreak": 0,
        "Log": null
      }
    }
  },
  "Image": "14119a10abf4669e8cdbdff324a9f9605d99697215a0d21c360fe8dfa8471bab",
```

```
"ImageName": "docker.io/library/alpine:latest",
"Rootfs": "",
"Pod": "",
"ResolvConfPath":
"/run/user/3267/containers/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6/
userdata/resolv.conf",
"HostnamePath":
"/run/user/3267/containers/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6/
userdata/hostname",
"HostsPath":
"/run/user/3267/containers/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6/
userdata/hosts",
"StaticDir":
"/home/dwalsh/.local/share/containers/storage/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea7
57d5e922dd6a8a6/userdata",
"OCIConfigPath":
"/home/dwalsh/.local/share/containers/storage/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea7
57d5e922dd6a8a6/userdata/config.json",
"OCIRuntime": "crun",
"ConmonPidFile":
"/run/user/3267/containers/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6/
userdata/conmon.pid",
"PidFile":
"/run/user/3267/containers/overlay-containers/99f66530fe9c7249f7cf29f78e8661669d5831cbe4ee80ea757d5e922dd6a8a6/
userdata/pidfile",
"Name": "foobar",
"RestartCount": 0,
"Driver": "overlay",
"MountLabel": "system_u:object_r:container_file_t:s0:c25,c695",
"ProcessLabel": "system_u:system_r:container_t:s0:c25,c695",
"AppArmorProfile": "",
"EffectiveCaps": [
"CAP_CHOWN",
```

```
"CAP_DAC_OVERRIDE",
"CAP_FOWNER",
"CAP_FSETID",
"CAP_KILL",
"CAP_NET_BIND_SERVICE",
"CAP_SETFCAP",
"CAP_SETGID",
"CAP_SETPCAP",
"CAP_SETUID",
```

```
],
```

```
"BoundingCaps": [
```

```
"CAP_CHOWN",
"CAP_DAC_OVERRIDE",
"CAP_FOWNER",
"CAP_FSETID",
"CAP_KILL",
"CAP_NET_BIND_SERVICE",
"CAP_SETFCAP",
"CAP_SETGID",
"CAP_SETPCAP",
"CAP_SETUID",
```

```
],
```

```
"ExecIDs": [],
```

```
"GraphDriver": {
```

```
"Name": "overlay",
"Data": {
```

```
"LowerDir":
```

```
"/home/dwalsh/.local/share/containers/storage/overlay/e2eb06d8af8218cfec8210147357a68b7e13f7c485b991c288c2d01dc228bb68/diff",
```

```
"UpperDir":
```

```
"/home/dwalsh/.local/share/containers/storage/overlay/8f3d70434a3db17410ec4710caf4f251f3e4ed0a96a08124e4b3d4af0a0ea300/diff",
```

```
"WorkDir":
```

"/home/dwalsh/.local/share/containers/storage/overlay/8f3d70434a3db17410ec4710caf4f251f3e4ed0a96a08124e4b3d4af0a0ea300/work"

```
    }
  },
  "Mounts": [],
  "Dependencies": [],
  "NetworkSettings": {
    "EndpointID": "",
    "Gateway": "",
    "IPAddress": "",
    "IPPrefixLen": 0,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "MacAddress": "",
    "Bridge": "",
    "SandboxID": "",
    "HairpinMode": false,
    "LinkLocalIPv6Address": "",
    "LinkLocalIPv6PrefixLen": 0,
    "Ports": {},
    "SandboxKey": ""
  },
  "Namespace": "",
  "IsInfra": false,
  "Config": {
    "Hostname": "99f66530fe9c",
    "Domainname": "",
    "User": "",
    "AttachStdin": false,
    "AttachStdout": false,
    "AttachStderr": false,
    "Tty": false,
```



```
"OpenStdin": false,
"StdinOnce": false,
"Env": [
  "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
  "TERM=xterm",
  "container=podman",
  "HOME=/root",
  "HOSTNAME=99f66530fe9c"
],
"Cmd": [
  "echo",
  "hi"
],
"Image": "docker.io/library/alpine:latest",
"Volumes": null,
"WorkingDir": "/",
"Entrypoint": "",
"OnBuild": null,
"Labels": null,
"Annotations": {
  "io.container.manager": "libpod",
  "io.kubernetes.cri-o.Created": "2021-09-16T06:09:08.936623325-04:00",
  "org.opencontainers.image.stopSignal": "15"
},
"StopSignal": 15,
"CreateCommand": [
  "podman",
  "run",
  "--name",
  "foobar",
  "alpine",
  "echo",
  "hi"
```

```
],
"Timezone": "local",
"Umask": "0022",
"Timeout": 0,
"StopTimeout": 10
},
"HostConfig": {
  "Binds": [],
  "CgroupManager": "systemd",
  "CgroupMode": "private",
  "ContainerIDFile": "",
  "LogConfig": {
    "Type": "journald",
    "Config": null,
    "Path": "",
    "Tag": "",
    "Size": "0B"
  },
  "NetworkMode": "slirp4netns",
  "PortBindings": {},
  "RestartPolicy": {
    "Name": "",
    "MaximumRetryCount": 0
  },
  "AutoRemove": false,
  "VolumeDriver": "",
  "VolumesFrom": null,
  "CapAdd": [],
  "CapDrop": [],
  "Dns": [],
  "DnsOptions": [],
  "DnsSearch": [],
  "ExtraHosts": [],
```

```
"GroupAdd": [],
"IpcMode": "shareable",
"Cgroup": "",
"Cgroups": "default",
"Links": null,
"OomScoreAdj": 0,
"PidMode": "private",
"Privileged": false,
"PublishAllPorts": false,
"ReadonlyRootfs": false,
"SecurityOpt": [],
"Tmpfs": {},
"UTSMode": "private",
"UsersnsMode": "",
"ShmSize": 65536000,
"Runtime": "oci",
"ConsoleSize": [
  0,
  0
],
"Isolation": "",
"CpuShares": 0,
"Memory": 0,
"NanoCpus": 0,
"CgroupParent": "user.slice",
"BlkioWeight": 0,
"BlkioWeightDevice": null,
"BlkioDeviceReadBps": null,
"BlkioDeviceWriteBps": null,
"BlkioDeviceReadIOps": null,
"BlkioDeviceWriteIOps": null,
"CpuPeriod": 0,
"CpuQuota": 0,
```

```

    "CpuRealtimePeriod": 0,
    "CpuRealtimeRuntime": 0,
    "CpusetCpus": "",
    "CpusetMems": "",
    "Devices": [],
    "DiskQuota": 0,
    "KernelMemory": 0,
    "MemoryReservation": 0,
    "MemorySwap": 0,
    "MemorySwappiness": 0,
    "OomKillDisable": false,
    "PidsLimit": 2048,
    "Ulimits": [],
    "CpuCount": 0,
    "CpuPercent": 0,
    "IOMaximumIOps": 0,
    "IOMaximumBandwidth": 0,
    "CgroupConf": null
  }
}
]

```

```
$ podman container inspect nervous_fermi --format "{{.ImageName}}"
```

```
registry.access.redhat.com/ubi8:latest
```

```
$ podman container inspect foobar --format "{{.GraphDriver.Name}}"
```

```
overlay
```

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

```
[CAP_CHOWN CAP_DAC_OVERRIDE CAP_FOWNER CAP_FSETID CAP_KILL CAP_NET_BIND_SERVICE
CAP_SETFCAP CAP_SETGID CAP_SETPCAP CAP_SETUID]
```

## SEE ALSO

podman(1), podman-container(1), podman-inspect(1)

## HISTORY

Sep 2021, Originally compiled by Dan Walsh [dwalsh@redhat.com](mailto:dwalsh@redhat.com)

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podman-container-inspect(1)