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

\$ man podman-search.1

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

NAME

podman-search - Search a registry for an image

SYNOPSIS

podman search [options] term

DESCRIPTION

podman search searches a registry or a list of registries for a matching image. The user can specify which registry to search by prefixing the registry in the search term (e.g., registry.fedoraproject.org/fedora). By default, all unqualified-search registries in containers-registries.conf(5) are used.

The default number of results is 25. The number of results can be limited using the --limit flag. If more than one registry is being searched, the limit will be applied to each registry. The output can be filtered using the --filter flag. To get all available images in a registry without a specific search term, the user can just enter the registry name with a trailing "/" (example registry.fedoraproject.org/).

Note that podman search is not a reliable way to determine the presence or existence of an image. The search behavior of the v1 and v2 Docker distribution API is specific to the implementation of each registry.

Some registries may not support searching at all. Further note that searching without a search term will only work for registries that implement the v2 API.

podman [GLOBAL OPTIONS]

podman search [GLOBAL OPTIONS]

podman search [OPTIONS] TERM

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: 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`.

--compatible

After the name and the description, also show the stars, official and automated descriptors as Docker does. Podman does not show these descriptors by default since they are not supported by most public container registries.

--filter, -f=filter

Filter output based on conditions provided (default [])

Supported filters are:

? stars (int - number of stars the image has)

? is-automated (boolean - true | false) - is the image automated or not

? is-official (boolean - true | false) - is the image official or not

--format=format

Change the output format to a Go template

Valid placeholders for the Go template are listed below:

??

?Placeholder ? Description ?

??

?Index ? Registry ?

??

?Name ? Image name ?
 ???
 ?.Description ? Image description ?
 ???
 ?.Stars ? Star count of image ?
 ???
 ?.Official ? "[OK]" if image is official ?
 ???
 ?.Automated ? "[OK]" if image is automated ?
 ???
 ?.Tag ? Repository tag ?
 ???

Note: use .Tag only if the --list-tags is set.

--help, -h

Print usage statement

--limit=limit

Limit the number of results (default 25). Note: The results from each registry will be limited to this value. Example if limit is 10 and two registries are being searched, the total number of results will be 20, 10 from each (if there are at least 10 matches in each). The order of the search results is the order in which the API endpoint returns the results.

--list-tags

List the available tags in the repository for the specified image.

Note: --list-tags requires the search term to be a fully specified image name. The result contains the Image name and its tag, one line for every tag associated with the image.

--no-trunc

Do not truncate the output (default false).

--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)

EXAMPLES

```
$ podman search --limit 3 fedora
```

NAME	DESCRIPTION
registry.centos.org/centos	
registry.centos.org/cdrage/mosh-centos7	
registry.centos.org/centos/bind	
docker.io/library/centos	The official build of CentOS.
docker.io/jdeathe/centos-ssh	OpenSSH / Supervisor / EPEL/IUS/SCL Repos - ...
docker.io/ansible/centos7-ansible	Ansible on Centos7
quay.io/centos/centos	The official CentOS base containers.
quay.io/ukhomeofficedigital/centos-base	
quay.io/quarkus/centos-quarkus-maven	Quarkus.io builder image for building Quarku...

Note that the Stars, Official and Automated descriptors are only available on Docker Hub and are hence not displayed by default.

```
$ podman search --format "{{.Name}}\t{{.Stars}}\t{{.Official}}" alpine --limit 3
```

docker.io/library/alpine	7956	[OK]
docker.io/alpine/git	192	
docker.io/anapsix/alpine-java	474	
quay.io/libpod/alpine	0	
quay.io/vqcomms/alpine-tools	0	
quay.io/wire/alpine-deps	0	

```
$ podman search --list-tags registry.access.redhat.com/ubi8 --limit 4
```

NAME	TAG
registry.access.redhat.com/ubi8	8.4-211
registry.access.redhat.com/ubi8	8.4-206.1626828523-source
registry.access.redhat.com/ubi8	8.4-199
registry.access.redhat.com/ubi8	8.4-211-source

Note: This works only with registries that implement the v2 API. If tried with a v1 registry an error will be returned.

FILES

registries.conf (/etc/containers/registries.conf)

registries.conf is the configuration file which specifies which container registries should be consulted when completing image names which do not include a registry or domain portion.

SEE ALSO

podman(1), containers-registries(5)

HISTORY

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