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Rocky Enterprise Linux 9.2 Manual Pages on command 'podman-search.1'

\$ man podman-search.1

podman-search(1()) 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. Furthermore, 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`

Note: You can also override the default path of the authentication file by setting the `REGISTRY_AUTH_FILE` environment variable. `export REGISTRY_AUTH_FILE=path`

`--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 ?

??

?Descriptions ? 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.

`--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

`--tls-verify=true|false`

Require HTTPS and verify certificates when contacting registries (default: true). If explicitly set to true, then TLS verification will be used. If set to false, then TLS verification will not be used if needed. If not specified, default registries will be searched through (in `/etc/containers/registries.conf`), and TLS will be skipped if a default registry is listed in the insecure registries.

`--help, -h`

Print usage statement

EXAMPLES

```
$ podman search --limit 3 rhel
```

INDEX	NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
docker.io	docker.io/richxsl/rhel7	RHEL 7 image with minimal installation	9		
docker.io	docker.io/bluedata/rhel7	RHEL-7.x base container images	1		
docker.io	docker.io/gidikern/rhel-oracle-jre	RHEL7 with jre8u60	5		[OK]
redhat.com	redhat.com/rhel	This platform image provides a minimal runti...	0		
redhat.com	redhat.com/rhel6	This platform image provides a minimal runti...	0		
redhat.com	redhat.com/rhel6.5	This platform image provides a minimal runti...	0		

```
$ podman search alpine
```

INDEX	NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
docker.io	docker.io/library/alpine	A minimal Docker image based on Alpine Linux...	3009		[OK]
docker.io	docker.io/mhart/alpine-node	Minimal Node.js built on Alpine Linux	332		

[OK]

[OK]

```
$ podman search registry.fedoraproject.org/fedora
```

INDEX	NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
fedoraproject.org	fedoraproject.org/fedora		0		
fedoraproject.org	fedoraproject.org/fedora-minimal		0		

```
$ podman search --filter=is-official alpine
```

INDEX	NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
docker.io	docker.io/library/alpine	A minimal Docker image based on Alpine Linux...	3009		

[OK]

```
$ podman search --format "table {{.Index}} {{.Name}}" registry.fedoraproject.org/fedora
```

INDEX	NAME
fedoraproject.org	fedoraproject.org/fedora
fedoraproject.org	fedoraproject.org/fedora-minimal

```
$ podman search registry.fedoraproject.org/
```

INDEX	NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
fedoraproject.org	registry.fedoraproject.org/f25/cockpit		0		
fedoraproject.org	registry.fedoraproject.org/f25/container-engine			0	
fedoraproject.org	registry.fedoraproject.org/f25/docker		0		
fedoraproject.org	registry.fedoraproject.org/f25/etcd		0		
fedoraproject.org	registry.fedoraproject.org/f25/flannel		0		
fedoraproject.org	registry.fedoraproject.org/f25/httpd		0		
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-apiserver			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-controller-manager			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-kubelet			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-master			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-node			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-proxy			0	
fedoraproject.org	registry.fedoraproject.org/f25/kubernetes-scheduler			0	
fedoraproject.org	registry.fedoraproject.org/f25/mariadb		0		

```
$ podman search --list-tags registry.redhat.io/rhel
```

NAME	TAG
------	-----

registry.redhat.io/rhel 7.3-74

registry.redhat.io/rhel 7.6-301

registry.redhat.io/rhel 7.1-9

Note: This works only with registries that implement the v2 API. If tried with a v1 reg?

istry 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.conf(5)

HISTORY

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podman-search(1)()