

# docker search

*Estimated reading time: 5 minutes*

## Description

Search the Docker Hub for images

## Usage

```
docker search [OPTIONS] TERM
```

## Options

Name, shorthand	Default	Description
<code>--automated</code>		<b>deprecated</b> ( <a href="https://docs.docker.com/engine/deprecated/">https://docs.docker.com/engine/deprecated/</a> ) Only show automated builds
<code>--filter , -f</code>		Filter output based on conditions provided
<code>--format</code>		Pretty-print search using a Go template
<code>--limit</code>	25	Max number of search results
<code>--no-trunc</code>		Don't truncate output
<code>--stars , -s</code>		<b>deprecated</b> ( <a href="https://docs.docker.com/engine/deprecated/">https://docs.docker.com/engine/deprecated/</a> ) Only displays with at least x stars

## Parent command

Command	Description
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Command	Description
<code>docker</code> ( <a href="https://docs.docker.com/engine/reference/commandline/docker">https://docs.docker.com/engine/reference/commandline/docker</a> )	The base command for the Docker CLI.

## Extended description

Search Docker Hub (<https://hub.docker.com>) for images

See *Find Public Images on Docker Hub*

(<https://docs.docker.com/engine/tutorials/dockerrepos/#searching-for-images>) for more details on finding shared images from the command line.

**Note:** Search queries return a maximum of 25 results.

## Examples

### Search images by name

This example displays images with a name containing 'busybox':

```
$ docker search busybox
```

NAME	STARS	OFFICIAL	AUTOMATED	DESCRIPTION
busybox	316	[OK]		Busybox base image.
progrium/busybox	50		[OK]	
radial/busyboxplus	8		[OK]	Full-chain, Internet enabled, busybox ma
de... odise/busybox-python	2		[OK]	
azukiapp/busybox	2		[OK]	This image is meant to be used as the ba
se... ofayau/busybox-jvm	1		[OK]	Prepare busybox to install a 32 bits JVM
. shingonoide/archlinux-busybox	1		[OK]	Arch Linux, a lightweight and flexible L
in... odise/busybox-curl	1		[OK]	
ofayau/busybox-libc32	1		[OK]	Busybox with 32 bits (and 64 bits) libs
peelsky/zulu-openjdk-busybox	1		[OK]	
skomma/busybox-data	1		[OK]	Docker image suitable for data volume co
nt... elektritter/busybox-teamspeak	1		[OK]	Lightweight teamspeak3 container based o
n... socketplane/busybox	1		[OK]	
oveits/docker-nginx-busybox	0		[OK]	This is a tiny NginX docker image based
on... ggtools/busybox-ubuntu	0		[OK]	Busybox ubuntu version with extra goodie
s nikfoundas/busybox-confd	0		[OK]	Minimal busybox based distribution of co
nfd openshift/busybox-http-app	0		[OK]	
jlllopis/busybox	0		[OK]	
swyckoff/busybox	0		[OK]	
powellquiring/busybox	0		[OK]	
williamyeh/busybox-sh	0		[OK]	Docker image for BusyBox's sh
simplexsys/busybox-cli-powered	0		[OK]	Docker busybox images, with a few often
us... fhisamoto/busybox-java	0		[OK]	Busybox java
scottabernethy/busybox	0		[OK]	
marclop/busybox-solr				

## Display non-truncated description (--no-trunc)

This example displays images with a name containing 'busybox', at least 3 stars and the description isn't truncated in the output:

```
$ docker search --stars=3 --no-trunc busybox
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
busybox	Busybox base image.	325	[OK]	
progrium/busybox		50		[OK]
radial/busyboxplus	Full-chain, Internet enabled, busybox made from scratch. Comes in git and curl flavors.	8		[OK]

## Limit search results (--limit)

The flag `--limit` is the maximum number of results returned by a search. This value could be in the range between 1 and 100. The default value of `--limit` is 25.

## Filtering

The filtering flag ( `-f` or `--filter` ) format is a `key=value` pair. If there is more than one filter, then pass multiple flags (e.g. `--filter "foo=bar" --filter "bif=baz"` )

The currently supported filters are:

- stars (int - number of stars the image has)
- is-automated (boolean - true or false) - is the image automated or not
- is-official (boolean - true or false) - is the image official or not

### STARS

This example displays images with a name containing 'busybox' and at least 3 stars:

```
$ docker search --filter stars=3 busybox
```

NAME	DESCRIPTION	STAR
busybox	Busybox base image.	325
progrium/busybox		50
radial/busyboxplus	Full-chain, Internet enabled, busybox made...	8

### IS-AUTOMATED

This example displays images with a name containing 'busybox' and are automated builds:

```
$ docker search --filter is-automated busybox
```

NAME	DESCRIPTION	STAR
S	OFFICIAL	AUTOMATED
progrium/busybox		50
	[OK]	
radial/busyboxplus	Full-chain, Internet enabled, busybox made...	8
	[OK]	

## IS-OFFICIAL

This example displays images with a name containing 'busybox', at least 3 stars and are official builds:

```
$ docker search --filter "is-official=true" --filter "stars=3" busybox
```

NAME	DESCRIPTION	STAR
S	OFFICIAL	AUTOMATED
progrium/busybox		50
	[OK]	
radial/busyboxplus	Full-chain, Internet enabled, busybox made...	8
	[OK]	

## Format the output

The formatting option ( `--format` ) pretty-prints search output using a Go template.

Valid placeholders for the Go template are:

Placeholder	Description
<code>.Name</code>	Image Name
<code>.Description</code>	Image description
<code>.StarCount</code>	Number of stars for the image
<code>.IsOfficial</code>	"OK" if image is official
<code>.IsAutomated</code>	"OK" if image build was automated

When you use the `--format` option, the `search` command will output the data exactly as the template declares. If you use the `table` directive, column headers are included as well.

The following example uses a template without headers and outputs the `Name` and `StarCount` entries separated by a colon for all images:

This example outputs a table format: