

OFFICIAL REPOSITORY

memcached (/r/ /memcached/) ☆

Last pushed: 5 days ago

Repo Info (/ /memcached/)

Short Description

Free & open source, high-performance, distributed memory object caching system.

Full Description

Supported tags and respective Dockerfile links

- 1.5.12 , 1.5 , 1 , latest (debian/Dockerfile) (<https://github.com/docker-library/memcached/blob/c7bc33a596845a439051bbe32357b4b0e6e9dddc/debian/Dockerfile>)
- 1.5.12-alpine , 1.5-alpine , 1-alpine , alpine (alpine/Dockerfile) (<https://github.com/docker-library/memcached/blob/c7bc33a596845a439051bbe32357b4b0e6e9dddc/alpine/Dockerfile>)

Quick reference

- **Where to get help:**
the Docker Community Forums (<https://forums.docker.com/>), the Docker Community Slack (<https://blog.docker.com/2016/11/introducing-docker-community-directory-docker-community-slack/>), or Stack Overflow (<https://stackoverflow.com/search?tab=newest&q=docker>)
- **Where to file issues:**
<https://github.com/docker-library/memcached/issues> (<https://github.com/docker-library/memcached/issues>)
- **Maintained by:**
the Docker Community (<https://github.com/docker-library/memcached>)

- **Supported architectures:** (more info (<https://github.com/docker-library/official-images#architectures-other-than-amd64>))
[amd64](https://hub.docker.com/r/amd64/memcached/) (<https://hub.docker.com/r/amd64/memcached/>), [arm32v5](https://hub.docker.com/r/arm32v5/memcached/) (<https://hub.docker.com/r/arm32v5/memcached/>), [arm32v6](https://hub.docker.com/r/arm32v6/memcached/) (<https://hub.docker.com/r/arm32v6/memcached/>), [arm32v7](https://hub.docker.com/r/arm32v7/memcached/) (<https://hub.docker.com/r/arm32v7/memcached/>), [arm64v8](https://hub.docker.com/r/arm64v8/memcached/) (<https://hub.docker.com/r/arm64v8/memcached/>), [i386](https://hub.docker.com/r/i386/memcached/) (<https://hub.docker.com/r/i386/memcached/>), [ppc64le](https://hub.docker.com/r/ppc64le/memcached/) (<https://hub.docker.com/r/ppc64le/memcached/>), [s390x](https://hub.docker.com/r/s390x/memcached/) (<https://hub.docker.com/r/s390x/memcached/>)
- **Published image artifact details:**
[repo-info](https://github.com/docker-library/official-images#architectures-other-than-amd64) [repo's](https://github.com/docker-library/official-images#architectures-other-than-amd64) [repos/memcached/](https://github.com/docker-library/official-images#architectures-other-than-amd64) [directory](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>) ([history](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>))
 (image metadata, transfer size, etc)
- **Image updates:**
[official-images](https://github.com/docker-library/official-images#architectures-other-than-amd64) PRs with label [library/memcached](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>)
[official-images](https://github.com/docker-library/official-images#architectures-other-than-amd64) [repo's](https://github.com/docker-library/official-images#architectures-other-than-amd64) [library/memcached](https://github.com/docker-library/official-images#architectures-other-than-amd64) [file](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>)
[library/official-images/blob/master/library/memcached](https://github.com/docker-library/official-images#architectures-other-than-amd64) ([history](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>))
- **Source of this description:**
[docs](https://github.com/docker-library/official-images#architectures-other-than-amd64) [repo's](https://github.com/docker-library/official-images#architectures-other-than-amd64) [memcached/](https://github.com/docker-library/official-images#architectures-other-than-amd64) [directory](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>)
[library/docs/tree/master/memcached](https://github.com/docker-library/official-images#architectures-other-than-amd64) ([history](https://github.com/docker-library/official-images#architectures-other-than-amd64) (<https://github.com/docker-library/official-images#architectures-other-than-amd64>))
[library/docs/commits/master/memcached](https://github.com/docker-library/official-images#architectures-other-than-amd64))
- **Supported Docker versions:**
[the latest release](https://github.com/docker/docker-ce/releases/latest) (<https://github.com/docker/docker-ce/releases/latest>) (down to 1.6 on a best-effort basis)

What is Memcached?

Memcached is a general-purpose distributed memory caching system. It is often used to speed up dynamic database-driven websites by caching data and objects in RAM to reduce the number of times an external data source (such as a database or API) must be read.

Memcached's APIs provide a very large hash table distributed across multiple machines. When the table is full, subsequent inserts cause older data to be purged in least recently used order. Applications using Memcached typically layer requests and additions into RAM before falling back on a slower backing store, such as a database.

[wikipedia.org/wiki/Memcached](https://en.wikipedia.org/wiki/Memcached) (<https://en.wikipedia.org/wiki/Memcached>)

How to use this image

```
$ docker run --name my-memcache -d memcached
```

Start your memcached container with the above command and then you can connect you app to it with standard linking:

```
$ docker run --link my-memcache:memcache -d my-app-image
```

The memcached server information would then be available through the ENV variables generated by the link as well as through DNS as `memcache` from `/etc/hosts`.

How to set the memory usage for memcached

```
$ docker run --name my-memcache -d memcached memcached -m 64
```

This would set the memcache server to use 64 megabytes for storage.

For information on configuring your memcached server, see the extensive [wiki](https://github.com/memcached/memcached/wiki) (<https://github.com/memcached/memcached/wiki>).

Image Variants

The `memcached` images come in many flavors, each designed for a specific use case.

`memcached:<version>`

This is the defacto image. If you are unsure about what your needs are, you probably want to use this one. It is designed to be used both as a throw away container (mount your source code and start the container to start your app), as well as the base to build other images off of.

`memcached:<version>-alpine`

This image is based on the popular [Alpine Linux project](http://alpinelinux.org) (<http://alpinelinux.org>), available in the [alpine official image](https://hub.docker.com/_/alpine) (https://hub.docker.com/_/alpine). Alpine Linux is much smaller than most distribution base images (~5MB), and thus leads to much slimmer images in general.

This variant is highly recommended when final image size being as small as possible is desired. The main caveat to note is that it does use [musl libc](http://www.musl-libc.org) (<http://www.musl-libc.org>) instead of [glibc and friends](http://www.etalabs.net/compare_libcs.html) (http://www.etalabs.net/compare_libcs.html), so certain software might run into issues depending on the depth of their libc requirements. However, most software doesn't have an issue with this, so this variant is usually a very safe choice.

See [this Hacker News comment thread \(https://news.ycombinator.com/item?id=10782897\)](https://news.ycombinator.com/item?id=10782897) for more discussion of the issues that might arise and some pro/con comparisons of using Alpine-based images.

To minimize image size, it's uncommon for additional related tools (such as `git` or `bash`) to be included in Alpine-based images. Using this image as a base, add the things you need in your own Dockerfile (see the [alpine image description \(https://hub.docker.com/_/alpine/\)](https://hub.docker.com/_/alpine/) for examples of how to install packages if you are unfamiliar).

License

View [license information \(https://github.com/memcached/memcached/blob/master/LICENSE\)](https://github.com/memcached/memcached/blob/master/LICENSE) for the software contained in this image.

As with all Docker images, these likely also contain other software which may be under other licenses (such as Bash, etc from the base distribution, along with any direct or indirect dependencies of the primary software being contained).

Some additional license information which was able to be auto-detected might be found in the [repo-info repository's memcached/ directory \(https://github.com/docker-library/repo-info/tree/master/repos/memcached\)](https://github.com/docker-library/repo-info/tree/master/repos/memcached).

As for any pre-built image usage, it is the image user's responsibility to ensure that any use of this image complies with any relevant licenses for all software contained within.

Docker Pull Command



```
docker pull memcached
```