

Assignment:

Installation of MongoDB

By Esaq A

Installation of MongoDB on MacOS:

1. Install Homebrew (if not already installed)

```
/bin/bash -c "$(curl -fsSL  
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

```
esaq@xcalibars-macbook-air /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
==> Checking for `sudo` access (which may request your password)...
[Password:
==> This script will install:
/opt/homebrew/bin/brew
/opt/homebrew/share/doc/homebrew
/opt/homebrew/share/man/man1/brew.1
/opt/homebrew/share/zsh/site-functions/_brew
/opt/homebrew/etc/bash_completion.d/brew
/opt/homebrew
/etc/paths.d/homebrew

Press RETURN/ENTER to continue or any other key to abort:
==> /usr/bin/sudo /usr/sbin/chown -R sbdhushyanth:admin /opt/homebrew
==> Downloading and installing Homebrew...
remote: Enumerating objects: 1023, done.
remote: Counting objects: 100% (544/544), done.
remote: Compressing objects: 100% (48/48), done.
remote: Total 1023 (delta 523), reused 502 (delta 496), pack-reused 479 (from 4)
==> /usr/bin/sudo /bin/mkdir -p /etc/paths.d
==> /usr/bin/sudo tee /etc/paths.d/homebrew
/opt/homebrew/bin
==> /usr/bin/sudo /usr/sbin/chown root:wheel /etc/paths.d/homebrew
==> /usr/bin/sudo /bin/chmod a+r /etc/paths.d/homebrew
==> Updating Homebrew...
==> Downloading https://ghcr.io/v2/homebrew/portable-ruby/portable-ruby/blobs/sha256:20fa657858e44a4b39171d6e4111f8a
9716eb62a78ebbd1491d94f90bb7b830a
##### 100.0%
```

```
esaq@xcalibars-macbook-air brew -v
[Homebrew 4.5.11
```

2. Add the MongoDB tap:

Tap the MongoDB Homebrew Tap to download official Homebrew formula for MongoDB and update latest formulae

```
brew tap mongodb/brew
```

```
[esaq@xcalibars-macbook-air brew tap mongodb/brew  
esaq@xcalibars-macbook-air █
```

```
brew update
```

```
[esaq@Xcalibars-Mac brew update  
==> Updating Homebrew...  
Already up-to-date.  
esaq@Xcalibars-Mac █
```

3. Installing MongoDB Community Edition:

To install the latest version:

```
brew install mongodb-community
```

To install a specific version (suppose 8.0):

```
brew install mongodb-community@8.0
```

```
esaq@Xcalibars-Mac brew install mongodb-community

==> Fetching downloads for: mongodb-community
==> Fetching dependencies for mongodb/brew/mongodb-community: mongosh
==> Downloading https://ghcr.io/v2/homebrew/core/mongosh/manifests/2.5.6
Already downloaded: /Users/sbdhushyanth/Library/Caches/Homebrew/downloads/63547f40c70ee57978802180852192e805fe7097eb9b341ff301c606044b196f--mongosh-2.5.6.bottle_manifest.json
==> Fetching mongosh
==> Downloading https://ghcr.io/v2/homebrew/core/mongosh/blobs/sha256:e777a24ec6b1f21f13c4378016af6fc7f9f367938fbb3378a00
Already downloaded: /Users/sbdhushyanth/Library/Caches/Homebrew/downloads/433beb805df135e70fcefefeb212cad809edbce7ba88d600f4996c2695e7a0f78a--mongosh--2.5.6.arm64_sequoia.bottle.tar.gz
==> Fetching mongodb/brew/mongodb-community
==> Downloading https://fastdl.mongodb.org/osx/mongodb-macos-arm64-8.0.12.tgz
Already downloaded: /Users/sbdhushyanth/Library/Caches/Homebrew/downloads/81693c4ed1f5b73537867738b79f1c06ec4807bd15f686d7a0cc7985fe502254--mongodb-macos-arm64-8.0.12.tgz
==> Installing mongodb-community from mongodb/brew
==> Installing mongodb/brew/mongodb-community dependency: mongosh
==> Downloading https://ghcr.io/v2/homebrew/core/mongosh/manifests/2.5.6
Already downloaded: /Users/sbdhushyanth/Library/Caches/Homebrew/downloads/63547f40c70ee57978802180852192e805fe7097eb9b341ff301c606044b196f--mongosh-2.5.6.bottle_manifest.json
==> Pouring mongosh--2.5.6.arm64_sequoia.bottle.tar.gz
🍺 /opt/homebrew/Cellar/mongosh/2.5.6: 13,948 files, 102.9MB
==> Caveats
To restart mongodb/brew/mongodb-community after an upgrade:
  brew services restart mongodb/brew/mongodb-community
==> Summary
🍺 /opt/homebrew/Cellar/mongodb-community/8.0.12: 12 files, 372.7MB, built in 2 seconds
==> Running `brew cleanup mongodb-community`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
==> Caveats
==> mongodb-community
```

4. Start MongoDB as a Service:

```
brew services start mongodb-community  
or  
brew services start mongodb-community@8.0
```

```
esaq@Xcalibars-Mac brew services start mongodb-community  
==> Successfully started `mongodb-community` (label: homebrew.mxcl.mongodb-community)  
esaq@Xcalibars-Mac
```

5. Verifying the installation and version

```
mongod -version
```

```
[esaq@Xcalibars-Mac mongod --version  
db version v8.0.12  
Build Info: {  
  "version": "8.0.12",  
  "gitVersion": "b60fc6875b5fb4b63cc0dbbd8dda0d6d6277921a",  
  "modules": [],  
  "allocator": "system",  
  "environment": {  
    "distarch": "aarch64",  
    "target_arch": "aarch64"  
  }  
}  
esaq@Xcalibars-Mac
```

```
mongosh -version
```

```
[esaq@Xcalibars-Mac mongosh --version  
2.5.6  
esaq@Xcalibars-Mac
```