

Following are different bench command that I have tried.

1. **bench init** :- It is used to initialize the frappe app. On successful completion it will create an frappe-bench folder which will have all the necessary files to run frappe.

```
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe$ bench init ./mnt/d/kalp_azrio/frappe/frappe-bench --frappe-path https://github.com/jaydeep-sigzen/frappe.git --version version-15
Setting Up Environment
$ python3 -m venv env
$ /mnt/d/kalp_azrio/frappe/mnt/d/kalp_azrio/frappe/frappe-bench/env/bin/python -m pip install --quiet --upgrade pip
$ /mnt/d/kalp_azrio/frappe/mnt/d/kalp_azrio/frappe/frappe-bench/env/bin/python -m pip install --quiet wheel
Setting frappe
$ git clone https://github.com/jaydeep-sigzen/frappe.git --branch version-15 --depth 1 --origin upstream
Cloning into 'frappe'...
remote: Enumerating objects: 3318, done.
remote: Counting objects: 100% (3318/3318), done.
remote: Compressing objects: 100% (2994/2994), done.
remote: Total 3318 (delta 417), reused 1481 (delta 211), pack-reused 0 (from 0)
Receiving objects: 100% (3318/3318), 16.11 MiB | 2.92 MiB/s, done.
Resolving deltas: 100% (417/417), done.
Updating files: 100% (3146/3146), done.
Installing frappe
```

2. **bench new-site** :- It is used to create new site with your chosen name I have given test.local

```
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench new-site test.local
MySQL root password:
Warning: MariaDB version ['10.11', '8'] is more than 10.8 which is not yet tested with Frappe Framework.

Installing frappe...
Updating DocTypes for frappe : [=====] 100%
Set Administrator password:
Re-enter Administrator password:
Updating Dashboard for frappe
test.local: SystemSettings.enable_scheduler is UNSET
*** Scheduler is disabled ***
```

3. **bench --site test.local enable-scheduler** :- It is used to enable scheduler for our site without which it will not work.

```
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ sudo systemctl start redis
[sudo] password for itzklp:
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ ls sites/
apps.json  apps.txt  common_site_config.json  redis.conf
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench --site sitel.local enable-scheduler
Site sitel.local does not exist!
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench --site test.local enable-scheduler
Enabled for test.local
(frappe-venv) itzklp@LAPTOP-RJB31IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench use test.local
Current Site set to test.local
```

4. `bench --site test.local install-app erpnext` :- This command will install the ERPNext into our site.

```
(frappe-venv) itzklp@LAPTOP-RJB11IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench get-app erpnext --branch version-15
Setting erpnext
git clone https://github.com/frappe/erpnext.git --branch version-15 --depth 1 --origin upstream
Cloning into 'erpnext'...
remote: Enumerating objects: 4790, done.
remote: Counting objects: 100% (4790/4790), done.
remote: Compressing objects: 100% (4085/4085), done.
remote: Total 4790 (delta 957), reused 2078 (delta 486), pack-reused 0 (from 0)
Receiving objects: 100% (4790/4790), 16.30 MiB | 2.74 MiB/s, done.
Resolving deltas: 100% (957/957), done.
Updating files: 100% (4491/4491), done.
Ignoring dependencies of erpnext. To install dependencies use --resolve-deps
Installing erpnext
```

5. `bench get-app erpnext --branch version 15` :- It will integrate ERPNext version 15 into our frappe-branch.

```
(frappe-venv) itzklp@LAPTOP-RJB11IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench --site test.local install-app erpnext
Installing erpnext...
Updating DocTypes for erpnext : [=====] 100%[
Updating customizations for Address
Updating customizations for Contact
Updating Dashboard for erpnext
```

6. `bench --site test.local install-app testApp` :- This command will install custom app in our site. While doing so it will ask for some details that are metadata about custom app.

```
(frappe-venv) itzklp@LAPTOP-RJB11IT6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench new-app testApp
App Title [Testapp]: Test App
App Description: This is an test app for testing
App Publisher: Kalp Dalsania
App Email: kalpdalsania1421@gmail.com
App License (agpl-3.0, apache-2.0, bsd-2-clause, bsd-3-clause, bsl-1.0, cc0-1.0, epl-2.0, gpl-2.0, gpl-3.0, lgpl-2.1, mit, mpl-2.0, unlicense) [mit]: gpl-3.0
Create GitHub Workflow action for unittests [y/N]: y
'testapp' created at /mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench/apps/testapp
Installing testapp
$ /mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench/env/bin/python -m pip install --quiet --upgrade -e /mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/fr
$ bench build --app testapp
Application Assets Linked

yarn run v1.22.22
$ node esbuild --production --apps testapp --run-build-command
File                               Size
DONE Total Build Time: 2.129s

WARN Cannot connect to redis_cache to update assets_json
WARN Cannot connect to redis_cache to update assets_json
WARN Cannot connect to redis_cache to update assets_json
Done in 18.97s.
Compiling translations for testapp
WARN: restart failed: Couldn't find supervisorctl in PATH
```

7. bench start :- It will start our frappe app and will start running on localhost then we need to open localhost to access the site.

```
(frappe-venv) itzklp@LAPTOP-RJB11T6:/mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-bench$ bench start
05:23:38 system | redis_cache.1 started (pid=2161)
05:23:38 system | redis_queue.1 started (pid=2164)
05:23:38 system | web.1 started (pid=2165)
05:23:38 system | socketio.1 started (pid=2170)
05:23:38 system | watch.1 started (pid=2174)
05:23:38 system | schedule.1 started (pid=2176)
05:23:38 system | worker.1 started (pid=2180)
05:23:38 redis_queue.1 | 2172:C 07 Jan 2025 05:23:38.106 # o000o000o000o Redis is starting o000o000o000o
05:23:38 redis_queue.1 | 2172:C 07 Jan 2025 05:23:38.106 # Redis version=7.0.15, bits=64, commit=00000000, modified=0, pid=2172, just started
05:23:38 redis_queue.1 | 2172:C 07 Jan 2025 05:23:38.106 # Configuration loaded
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.107 * Increased maximum number of open files to 10032 (it was originally set to 1024).
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.107 * monotonic clock: POSIX clock_gettime
05:23:38 redis_queue.1 | 2169:C 07 Jan 2025 05:23:38.106 # o000o000o000o Redis is starting o000o000o000o
05:23:38 redis_cache.1 | 2169:C 07 Jan 2025 05:23:38.106 # Redis version=7.0.15, bits=64, commit=00000000, modified=0, pid=2169, just started
05:23:38 redis_cache.1 | 2169:C 07 Jan 2025 05:23:38.106 # Configuration loaded
05:23:38 redis_cache.1 | 2169:M 07 Jan 2025 05:23:38.106 * Increased maximum number of open files to 10032 (it was originally set to 1024).
05:23:38 redis_cache.1 | 2169:M 07 Jan 2025 05:23:38.106 * monotonic clock: POSIX clock_gettime
05:23:38 redis_cache.1 | 2169:M 07 Jan 2025 05:23:38.109 * Running mode=standalone, port=13000.
05:23:38 redis_cache.1 | 2169:M 07 Jan 2025 05:23:38.109 # Server initialized
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.112 * Running mode=standalone, port=11000.
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.112 # Server initialized
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.112 # WARNING Memory overcommit must be enabled! Without it, a background save or replication may fail under low memory con
also cause failures without low memory condition, see https://github.com/jemalloc/jemalloc/issues/1328. To fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and
sctl vm.overcommit_memory=1' for this to take effect.
05:23:38 redis_queue.1 | 2169:M 07 Jan 2025 05:23:38.115 * Ready to accept connections
05:23:38 redis_queue.1 | 2172:M 07 Jan 2025 05:23:38.130 * Loading RDB produced by version 7.0.15
```

Below image shows that site is running on
127.0.0.1:8000 and 172.28.102.93:8000

```
05:23:50 web.1 | WARNING: This is a development server. Do not use it in a
05:23:50 web.1 | * Running on all addresses (0.0.0.0)
05:23:50 web.1 | * Running on http://127.0.0.1:8000
05:23:50 web.1 | * Running on http://172.28.102.93:8000
05:23:50 web.1 | Press CTRL+C to quit
05:23:50 web.1 | * Restarting with stat
05:23:55 web.1 | /mnt/d/kalp_azrio/Frappe/mnt/d/kalp_azrio/frappe/frappe-be
oval in Python 3.13
05:23:55 web.1 | from crypt import crypt as _crypt
05:24:01 web.1 | * Debugger is active!
05:24:01 web.1 | * Debugger PIN: 965-136-897
```