

Aug 20 12:31 PM

```

gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git remote list
error: Unbound command: list
usage: git remote [-v] [-n | --dry-run] <name>
or: git remote [-v | --verbose] add [<branch>] [<n>] [-f] [-t <tags> | --no-tags] [-m <master>] [<url>]
or: git remote [-v | --verbose] add [<url>] [-m <master>] [<branch>...]
or: git remote [-v | --verbose] get-url [<push>] [-a] <name>
or: git remote [-v | --verbose] set-url <name> <newurl> [<oldurl>]
or: git remote [-v | --verbose] set-url --add <name> <newurl>
or: git remote [-v | --verbose] set-url --delete <name> <url>
-v, --verbose      be verbose; must be placed before a subcommand
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git remote remove origin
origin https://github.com/ganeshjkale/angular_docker.git (fetch)
origin https://github.com/ganeshjkale/angular_docker.git (push)
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git remote remove origin
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git remote -v
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git remote add origin git@github.com:ganeshjkale/angular_docker.git
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ git push -u origin main
The authenticity of host 'github.com (13.23.176.102)' can't be established.
RSA key fingerprint is SHA256:4D10C9A9C9A9C9A9C9A9C9A9C9A9C9A9.
Are you sure you want to continue connecting (yes/no/[Fingerprint])? yes
Warning: Permanently added 'github.com,13.23.176.102' (RSA) to the list of known hosts.
Enumerating objects: 34, done.
Counting objects: 100% (34/34), done.
Delta compression using up to 8 threads
Compressing objects: 100% (32/32), done.
Writing objects: 100% (34/34), 249.04 KiB | 1.02 MiB/s, done.
Total 34 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/ganeshjkale/angular_docker.git
   [new branch]  main > main
Branch 'main' set up to track remote branch 'main' from 'origin'.
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_Devops_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ 
```

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Quick setup — if you've done this kind of thing before

or [HTTPS](https://github.com/ganeshjkale/angular_docker.git) [SSH](git@github.com:ganeshjkale/angular_docker.git)

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# angular_docker" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:ganeshjkale/angular_docker.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin git@github.com:ganeshjkale/angular_docker.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

ProTip! Use the URL for this page when adding GitHub as a remote.

The image shows a dual-tasking interface on a Linux desktop. The top half displays a GitHub repository page for 'ganeshjkale/angular_docker'. The repository has 1 branch and 1 commit. The commit history shows an initial version of a sample Angular app in Docker with Docker Compose. The bottom half shows a terminal window with a dark background where a Dockerfile is being viewed. The Dockerfile defines a multi-stage build process:

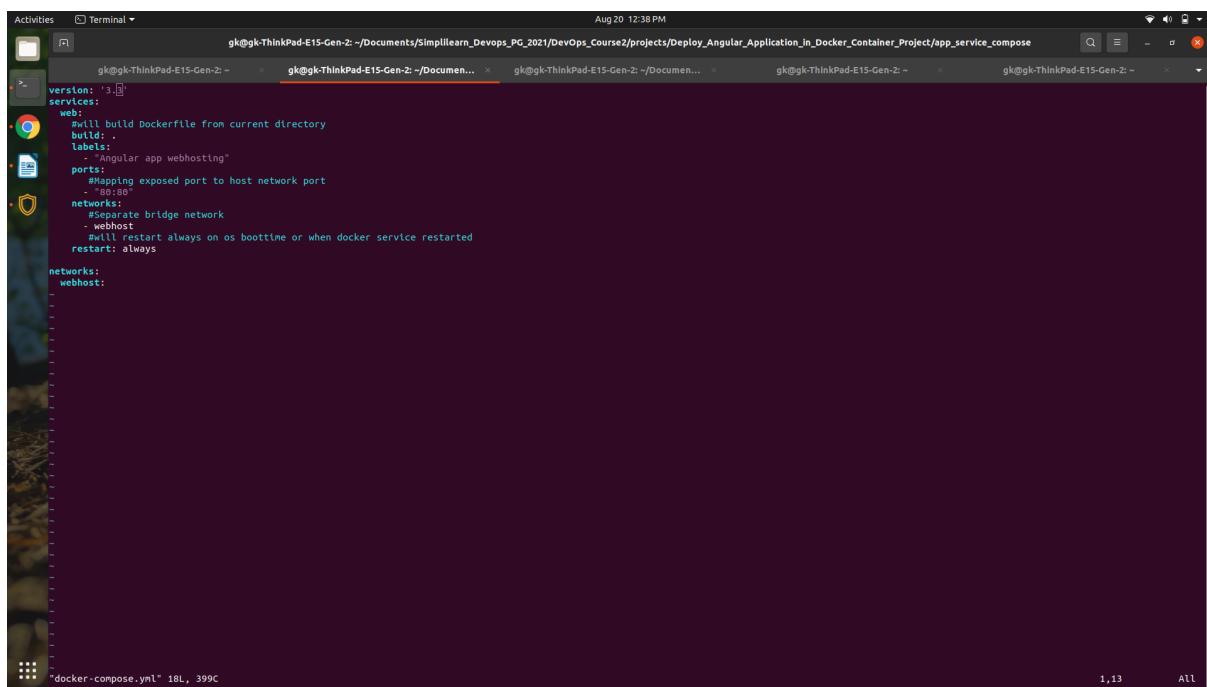
```
FROM node:latest as build
MAINTAINER "GANESH KALE"
LABEL VERSION= "1.0"
COPY ./ /local/webapp
COPY ./sample-angular-app /usr/local/webapp
RUN npm install
RUN npm run build

#Stage 2 run compile source code from stage1
FROM nginx:latest
COPY --from=build /usr/local/webapp/dist/sample-angular-app /usr/share/nginx/html
EXPOSE 80
```

```
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gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~

version: '3.4'
services:
  web:
    build:
      labels:
        - "Angular app webhosting"
    ports:
      - "80:80"
    networks:
      - webhost
    restart: always

networks:
  webhost:
  -
```



The screenshot shows a Linux desktop environment with a terminal window open. The terminal window has five tabs, each showing a different command-line session. The active tab displays a Docker Compose configuration file named `app_service_compose`. The file contains the following YAML code:

```
version: '3.8'
services:
  webhost:
    #will build dockerfile from current directory
    build:
      labels:
        - "Angular app webhosting"
    ports:
      #mapping exposed port to host network port
      - "80:80"
    networks:
      #separate bridge network
      - webhost
    #will restart always on os boottime or when docker service restarted
    restart: always

networks:
  webhost:
    -
```


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```
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
```

```
npm notice Run `npm install -g npm@7.21.0` to update!
npm notice
Renaming intermediate container 6fc4b52a9e75
-> 59d517c45c
Step 7/10 : RUN npm run build
--> Running in 1e8feda088ac
> sample-angular-app@0.0.0 build
> ng build
- Generating browser application bundles (phase: setup)...
  ✓ Browser application bundle generation complete.
  ✓ Browser application bundle generation complete.
  ✓ Copying assets complete.
  - Generating index.html...
  ✓ Index.html generation complete.

Initial Chunk Files      | Names          | Size
main.73df19ba7ed232ed210.js | main           | 214.62 kB
polyfills.a3e1fd0098c4e010fb2a.js | polyfills       | 30.21 kB
runtime.cdd6f1fd2d4d501c7ac8.js | runtime         | 1.84 kB
styles.31dcfe1d1a6e931b73c.css | styles          | 0 bytes

| Initial Total | 251.88 kB

Build at: 2021-08-20T07:12:01.790Z - Hash: 9f06224f8dab8e840117 - TIme: 10162ms
--> Removing intermediate container 1e8feda088ac
--> 59d517c45c

Step 8/10 : FROM nginx:latest
latest: Pulling from library/nginx
e1accdbe380c: Pull complete
e2121c9a330c: Pull complete
13341cc1755b: Pull complete
2a537a5989ee: Pull complete
12455f71a9b5: Pull complete
bb0f2bab2d17: Pull complete
Digest: sha256:ad96a759af48c0a551d757c1cbfc071692309b491b70b2b897e102dd3fef
Status: Image is up to date for nginx:latest
--> dd34e07e337
Step 9/10 : COPY --from=build /usr/local/webapp/dlst/sample-angular-app /usr/share/nginx/html
--> 7d582bf1c13d4
Step 10/10 : EXPOSE 80
--> Running in 76548e56c3ff
Removing intermediate container 76548e56c3ff
--> 010263019364

Successfully built 010263019364
Successfully tagged app_service_compose_web:latest
WARNING: Image for service web was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Creating app_service_compose_web_1 ... done
gk@gk-ThinkPad-E15-Gen-2:~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$
```

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```
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
```

```
gk@gk-ThinkPad-E15-Gen-2: ~          gk@gk-ThinkPad-E15-Gen-2: ~/Documents/          gk@gk-ThinkPad-E15-Gen-2: ~/Documents/          gk@gk-ThinkPad-E15-Gen-2: ~          gk@gk-ThinkPad-E15-Gen-2: ~          gk@gk-ThinkPad-E15-Gen-2: ~
```

```
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
app_service_compose_web	latest	010263019364	51 seconds ago	133MB
<none>	<none>	59d517c45c	About a minute ago	1.24GB
node	latest	06656d59c4	20 hours ago	207MB
nginx	latest	d34e07e337	3 days ago	133MB

```
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
867487a70aa0	app_service_compose_web	"docker-entrypoint..."	55 seconds ago	Up 55 seconds	0.0.0.0:80->80/tcp, ::1:80->80/tcp	app_service_compose_web_1

```
gk@gk-ThinkPad-E15-Gen-2:~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose$
```

The image shows two screenshots of a GitHub interface. The top screenshot is a repository page for 'ganeshjkale/angular_docker'. It displays a list of files: 'sample-angular-app' (initial version of sample angular app in docker with docker compose), 'Dockerfile' (initial version of sample angular app in docker with docker compose), and 'docker-compose.yml' (initial version of sample angular app in docker with docker compose). The bottom screenshot is the user's account settings page under 'SSH keys'. It shows one SSH key named 'office_laptop' associated with the SHA256 fingerprint 'A8:09:yy:dw:xq/Mu80r+3TbykEUX49+g8qCPWhzUJavI'. A 'Delete' button is visible next to the key entry.

Activities Google Chrome ▾

localhost

Welcome

sample-angular-app app is running!

Resources

Here are some links to help you get started:

- Learn Angular >
- CLI Documentation >
- Angular Blog >
- Angular DevTools >

Next Steps

What do you want to do next with your app?

- + New Component
- + Angular Material
- + Add PWA Support
- + Add Dependency
- + Run and Watch Tests
- + Build for Production

ng generate component xyz

Love Angular? Give our repo a star. [Star](#)

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Activities Terminal ▾

```
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose Aug 20 1:24 PM
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker pull node
Using default tag: latest
latest: Pulling from library/node
Digest: sha256:d75b163c035a59ed48ad54041aff3067d6a6104d32d07901314e573393d2a
Status: Image is up to date for node:latest
docker: A library nodejs was found.
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
<none> <none> 59db36ddfb90 40 minutes ago 1.24GB
node latest c06552d959c4b 35 hours ago 987MB
nginx latest d0f0f763871 13 days ago 13.9MB
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker run -it --name nodejs node
663c2546b9ecdb22350107d58921f95ea628b215f7506e92b7bd6f17524b
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker pc
docker: "pc" is not a docker command.
See 'docker -h' for usage information.
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
663c2546b9ec node "node --entrypoint=..." 8 seconds ago Up 6 seconds nodejs
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_In_Docker_Container_Project/app_service_compose$ docker exec -it nodejs /bin/bash
root@663c2546b9ec:/# npm --version
7.28.3
root@663c2546b9ec:/# npm install -g @angular/cli
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
added 237 packages, and audited 238 packages in 26s
23 packages are looking for funding
  run 'npm fund' for details
  found 0 vulnerabilities
npm notice
npm notice New minor version of npm available! 7.20.3 => 7.21.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.21.0
npm notice Run `npm install -g npm@7.x.x` to update!
npm notice
root@663c2546b9ec:/# 
```

```
Activities Terminal Aug 20 1:27 PM
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~
root@663c2546b9ec:/# root@663c2546b9ec:/# ng --version
Angular CLI: 12.2.2
Node: 16.7.0 (Unsupported)
Package Manager: npm 7.28.3
OS: linux x64
Angular:
...
Package           Version
-----
@angular-devkit/architect    0.1202.2 (cli-only)
@angular-devkit/core          12.2.2 (cli-only)
@angular-devkit/schematics   12.2.2 (cli-only)
@schematics/angular          12.2.2 (cli-only)

Warning: The current version of Node (16.7.0) is not supported by Angular.
Would you like to proceed anyway?
  Which stylesheet format would you like to use? CSS
CREATE sample-angular-app/README.md (1062 bytes)
CREATE sample-angular-app/.editorconfig (274 bytes)
CREATE sample-angular-app/.gitignore (694 bytes)
CREATE sample-angular-app/package.json (1039 bytes)
CREATE sample-angular-app/package-lock.json (1088 bytes)
CREATE sample-angular-app/.nrc/config.json (1088 bytes)
CREATE sample-angular-app/.nrc/config.js (1088 bytes)
CREATE sample-angular-app/.nrc/config.ts (1088 bytes)
CREATE sample-angular-app/.nrc/config.tsx (1088 bytes)
CREATE sample-angular-app/.nrc/test.ts (788 bytes)
CREATE sample-angular-app/assets/.gitkeep (0 bytes)
CREATE sample-angular-app/environments/environment.prod.ts (51 bytes)
CREATE sample-angular-app/src/environments/environment.ts (658 bytes)
CREATE sample-angular-app/src/app/app-routing.module.ts (2055 bytes)
CREATE sample-angular-app/src/app/app.module.ts (393 bytes)
CREATE sample-angular-app/src/app/app.component.css (0 bytes)
CREATE sample-angular-app/src/app/app.component.html (24617 bytes)
CREATE sample-angular-app/src/app/app.component.ts (7400 bytes)
```

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```

gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~/Documents/Simplilearn_DevOps_PG_2021/DevOps_Course2/projects/Deploy_Angular_Application_in_Docker_Container_Project/app_service_compose
gk@gk-ThinkPad-E15-Gen-2: ~

CREATE sample-angular-app/src/environments/environment.ts (658 bytes)
CREATE sample-angular-app/src/app/app-routing.module.ts (245 bytes)
CREATE sample-angular-app/src/app/app.module.ts (103 bytes)
CREATE sample-angular-app/src/app/app.component.css (0 bytes)
CREATE sample-angular-app/src/app/app.component.html (24017 bytes)
CREATE sample-angular-app/src/app/app.component.spec.ts (1109 bytes)
CREATE sample-angular-app/src/app/app.component.ts (222 bytes)
✓ Packages installed successfully.

*** Please tell me who you are.

Run
  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
  Ommit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'root@e1cf3a895969.(none)')
root@e1cf3a895969:/sample-angular-app/
root@e1cf3a895969:/sample-angular-app# ng serve
Generating browser application bundles (phase: setup)...Compiling @angular/core : es2015 as esm2015
Compiling @angular/common : es2015 as esm2015
Compiling @angular/platform-browser : es2015 as esm2015
Compiling @angular/router : es2015 as esm2015
Compiling @angular/platform-browser-dynamic : es2015 as esm2015
✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Size
vendor.js | vendor | 2.39 MB
polyfills.js | polyfills | 128.52 kB
main.js | main | 56.82 kB
runtime.js | runtime | 6.64 kB
styles.css | styles | 736 bytes
| Initial Total | 2.58 MB

Build at: 2021-08-20T08:04:29.626Z - Hash: 9fef4d4cc72fb17f0dae - Time: 10177ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **

✓ Compiled successfully.
✓ Browser application bundle generation complete.

5 unchanged chunks

Build at: 2021-08-20T08:04:30.379Z - Hash: 629cb0a452ea0fa84f7 - Time: 424ms
✓ Compiled successfully.

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```

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