

Sure — I'll give you a **clean, step-by-step, fresh restart** of the **entire Appium + Docker + Emulator setup**, removing all old containers, old ADB connections, and starting from ZERO.

Follow this exactly — I'll make it super simple.

## FULL RESET + CLEAN START (100% Fresh Setup)

### STEP 1 — STOP & REMOVE OLD APPIUM CONTAINER

Open CMD or PowerShell:

```
pgsql

docker stop appium-server
docker rm appium-server
```

If it says container not found → ignore.

### STEP 2 — RESET WINDOWS ADB

```
pgsql

adb kill-server
adb start-server
adb devices
```


You should see:

```
emulator-5554    device
```

If no emulator is running → start it from Android Studio.

### STEP 3 — START EMULATOR FRESH

In Android Studio:

 **AVD Manager → Start your emulator**

OR run:

```
php-template

emulator -avd <your_avd_name>
```

Check:

```
nginx  
  
adb devices
```

You must see:

```
emulator-5554  device
```

## STEP 4 — RUN A FRESH APPIUM DOCKER CONTAINER

From project folder:

```
nginx  
  
docker run -d -p 4723:4723 ^  
-v "D:\android-code-clone\08_12_2025\wms-  
android\WmsAndroid\android\app\build\outputs\apk\release:/apk" ^  
--name appium-server appium/appium
```

Check it started:

```
powershell  
  
docker ps
```

You should see:

```
appium-server  running.
```

## STEP 5 — FIX DOCKER ↔ EMULATOR ADB CONNECTION

Inside Docker:

```
pgsq1  
  
docker exec -it appium-server adb kill-server  
docker exec -it appium-server adb start-server  
docker exec -it appium-server adb connect host.docker.internal:5555  
docker exec -it appium-server adb devices
```

EXPECTED OUTPUT:

```
csharp
```

```
host.docker.internal:5555 device
```

If it's `unauthorized` → unlock the emulator screen.

## STEP 6 — VERIFY APK IS VISIBLE INSIDE DOCKER

```
bash
```

```
docker exec -it appium-server ls /apk
```

Expected:

```
pgsql
```

```
app-release.apk  
output-metadata.json
```

## STEP 7 — TEST APK MANUALLY

Install on emulator:

```
arduino
```

```
adb install -r D:\android-code-clone\08_12_2025\wms-  
android\WmsAndroid\android\app\build\outputs\apk\release\app-release.apk
```

Open the app manually in emulator.

If it opens normally → **APP IS READY FOR AUTOMATION** ✓

## STEP 8 — RUN AUTOMATION SCRIPT

Use this final capability:

```
python
```

```
caps = {  
    "platformName": "Android",  
    "appium:automationName": "UiAutomator2",  
    "appium:deviceName": "host.docker.internal:5555",  
    "appium:app": "/apk/app-release.apk",  
    "appium:autoGrantPermissions": True  
}
```



## YOUR ENVIRONMENT IS NOW CLEAN & NEW

After this reset:

- ✓ No old ADB
- ✓ No old Appium container
- ✓ Clean emulator
- ✓ Fresh APK
- ✓ Fresh connection
- ✓ Clean Appium server

This is the proper way to restart everything from scratch.



**Want me to create a single `.bat` file that will:**

- ✓ remove old container
- ✓ start emulator
- ✓ start new container
- ✓ connect ADB
- ✓ verify everything
- ✓ launch Appium script

Just say: "yes create bat file" ✓