

FastAPI

FRAMEWORK

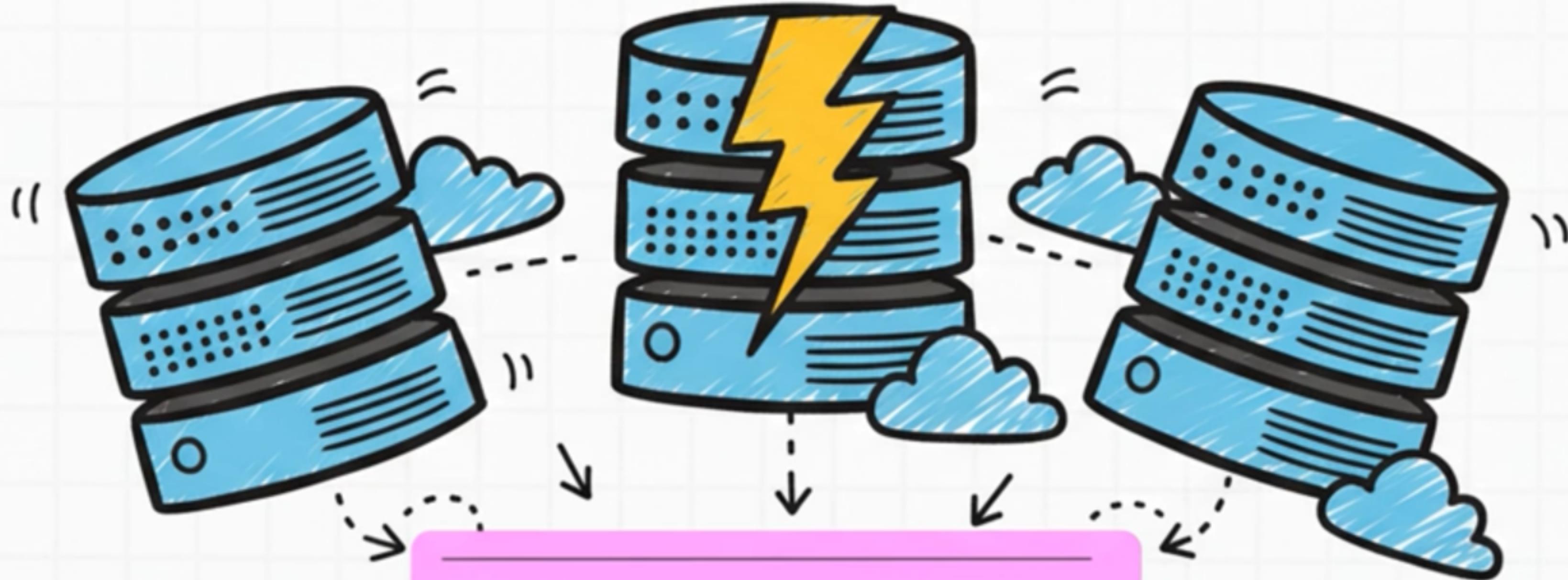
THE WHAT



NOT



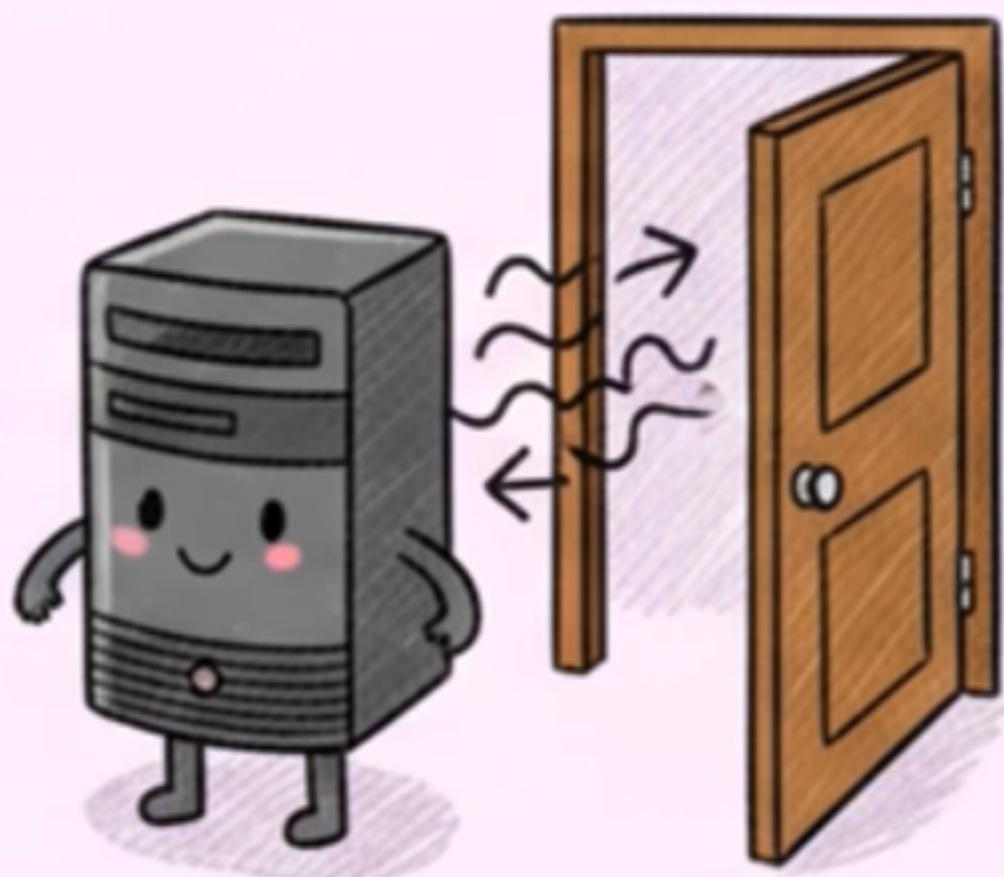
WEB SERVER
NOT RUNNING



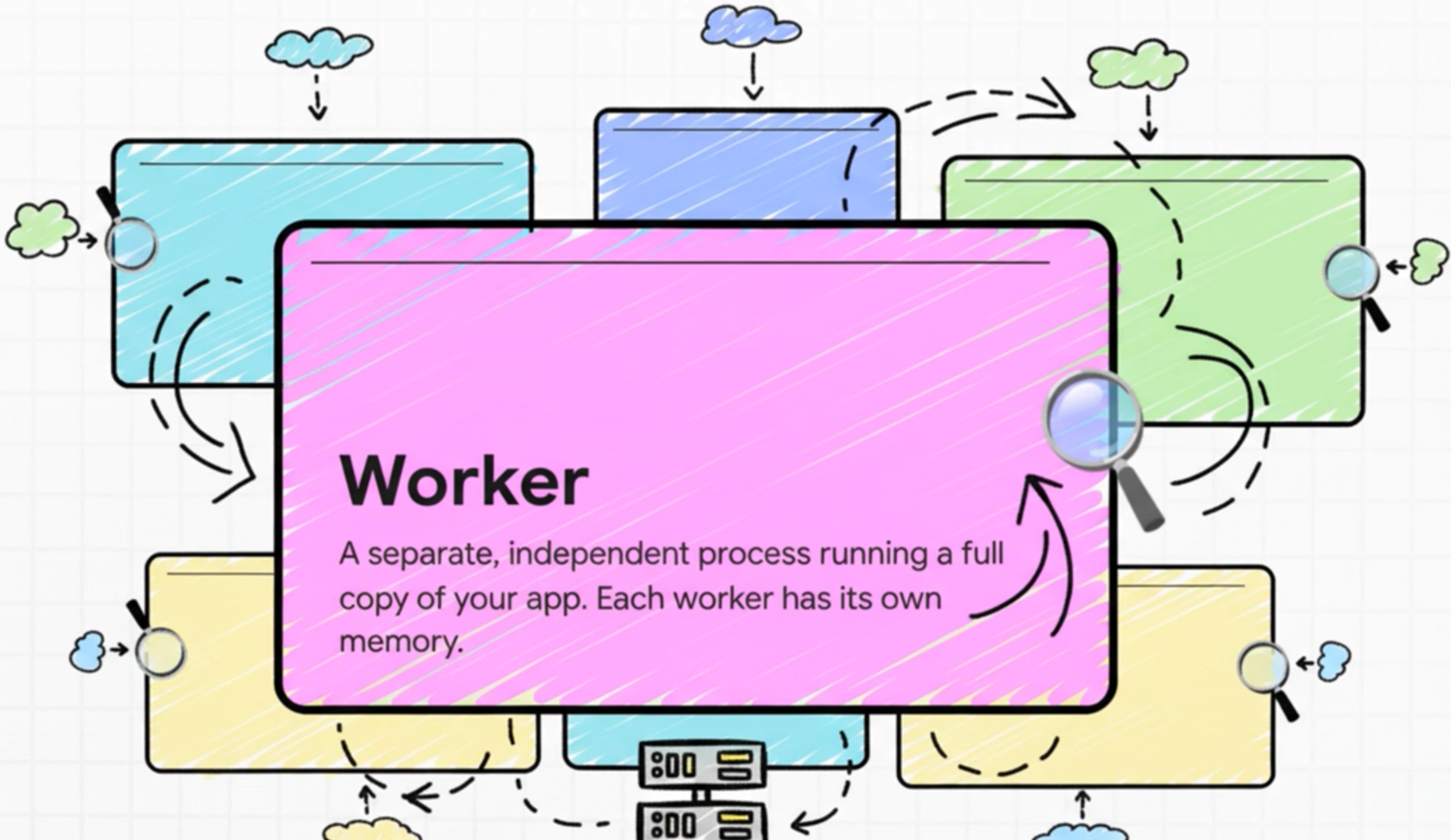
ASGI Server

An interface that allows servers (like Unicorn) to run async Python apps (like FastAPI).

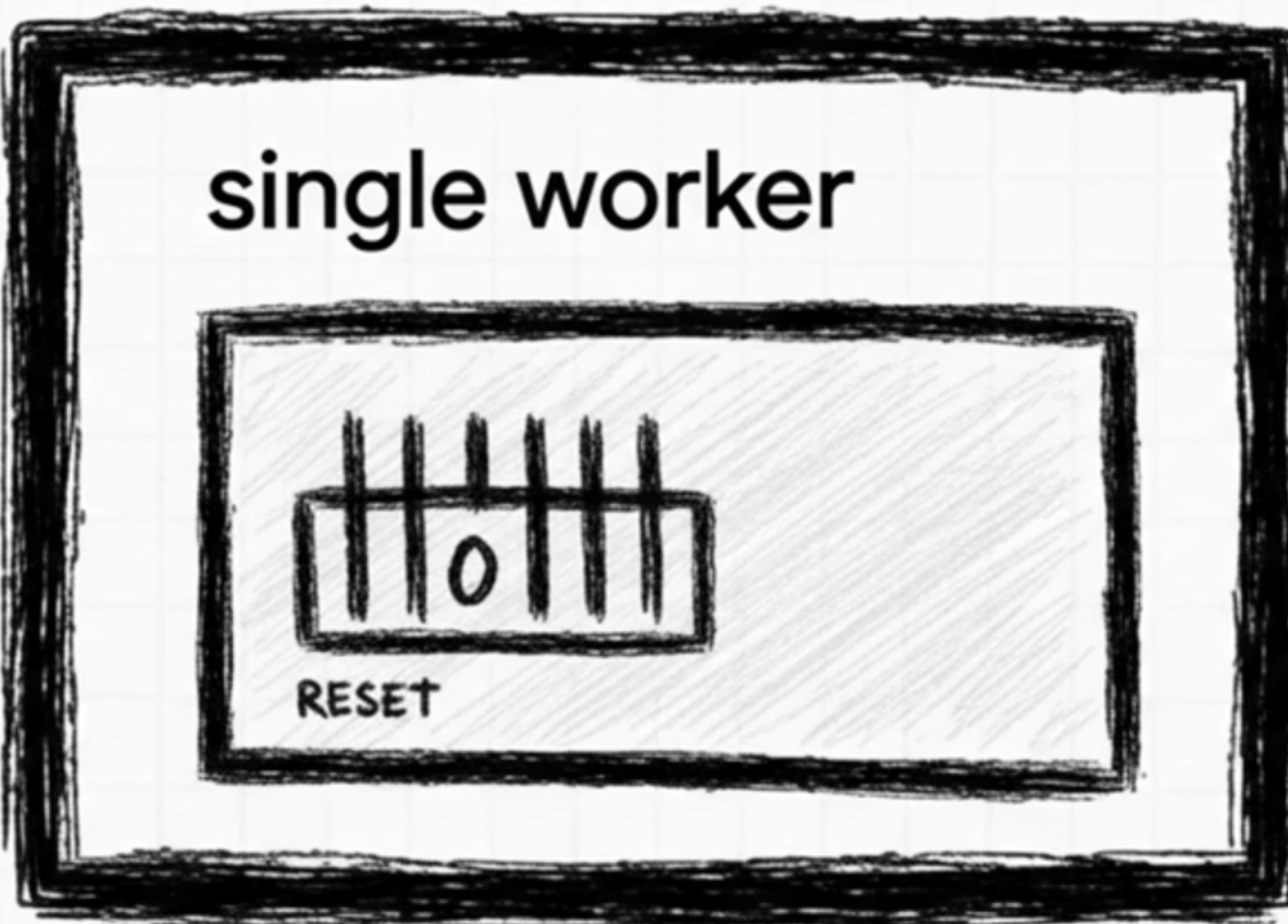




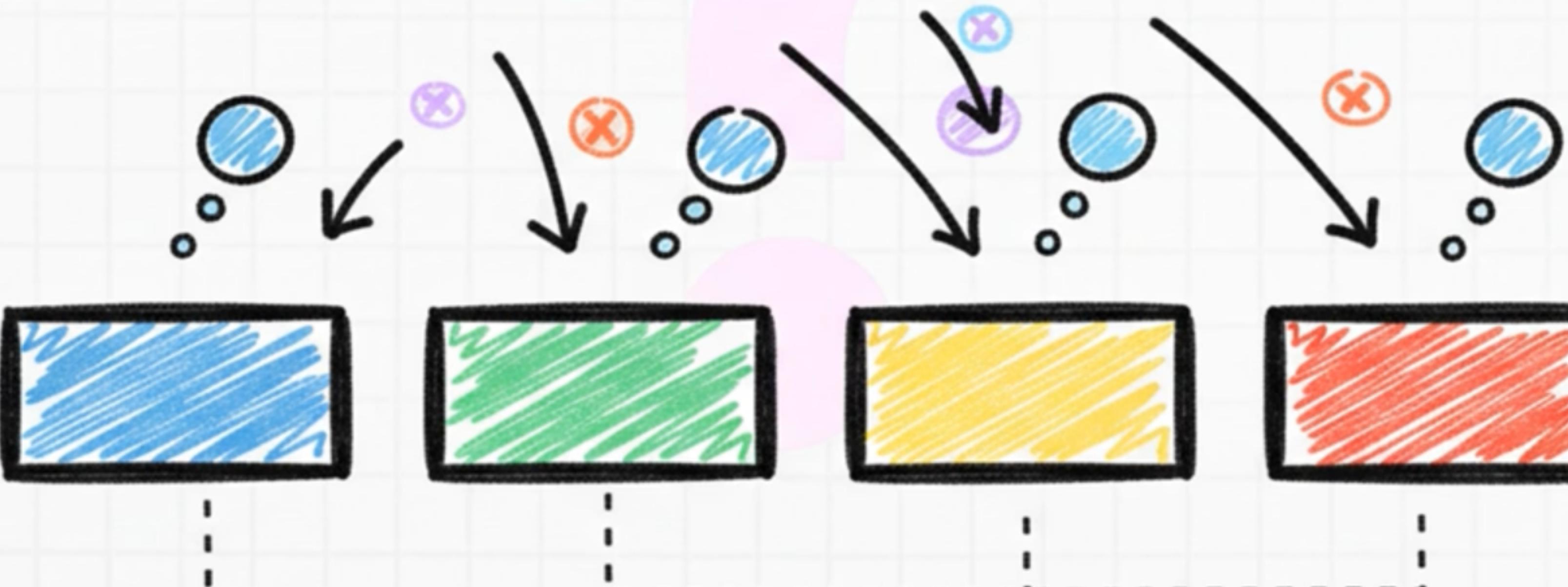




incoming request



With 4 workers
running, what happens
with multiple requests?



Worker A



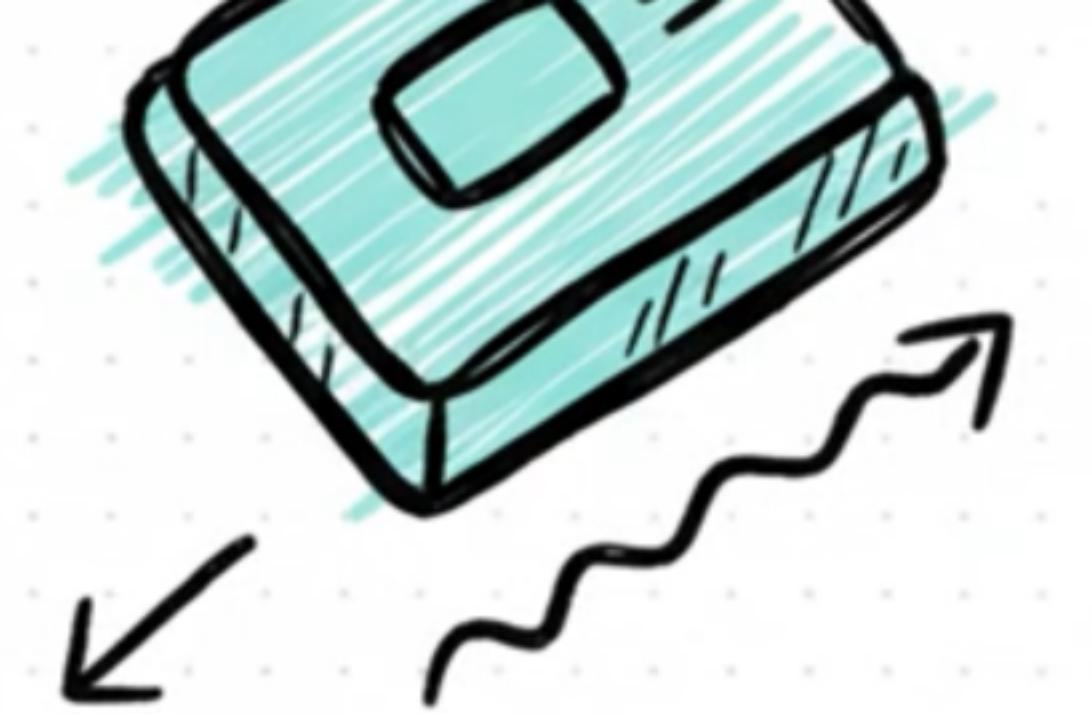
Worker B



Request 2 >



“**app.state** is local
memory for a single
worker. It is **not shared**
between workers.



(Cores x 2) + 1



1



Concept	Explanation
Uvicorn	The ASGI server that runs FastAPI.
Worker	A separate process with its own memory.
CPU Core	The physical hardware for a worker.
app.state	Local memory for a single worker; not shared .
Gunicorn	Process manager for production workers.