

SRN : PES2UG22CS131

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The screenshot shows the Docker Desktop application window. On the left is a sidebar with navigation options: Containers, Images, Volumes, Builds, Docker Hub, Docker Scout, and Extensions. The main area is titled 'Containers' and displays a table of running containers. A user profile dropdown menu is open, showing a profile picture with a 'P', the username 'pes2ug22cs131', and options for 'Account Settings', 'Upgrade', and 'Sign out'. The container table has columns for Name, Container ID, Image, and Port(s). The status bar at the bottom indicates 'Engine running' and shows system resources: RAM 2.61 GB, CPU 0.08%, and Disk 11.81 GB used (limit 1006.85 GB).

Name	Container ID	Image	Port(s)
nostalgic_faraday	2191b577634e	url-shortener	5000:5000
jovial_montalcini	16b24bf0cac0	url-shortener	5000:5000
exciting_tharp	09d0ea21be2e	url-shortener	5000:5000
relaxed_kowalevski	61322f499e7e	hello-world	
kind_northcutt	4ead4c135b6c	jenkins:PES2UG22CS131	50000:50000
minikube	6683873986fe	k8s-minikube/kicbase:v0.0.22	0:22
confident_lamarr	45f9af69502	hello-world	
brave_ride	4c7a9567da55	hello-world	
fervent_kowalevski	ab4525ecb2cd	hello-world	

```
rbhoomi@hp:~/miniProject/131-134-151-171-Load-Balanced-URL-Shortener-using-Docker-Kubernetes$ docker run -p 5000:5000 url-shortener
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
172.17.0.1 - - [04/Apr/2025 10:00:14] "POST /shorten HTTP/1.1" 200 -
```

```
rbhoomi@hp:~/miniProject$ curl -X POST http://localhost:5000/shorten -H "Content-Type: application/json" -d '{"long_url": "https://example.com"}'
{"short_url": "http://localhost:5000/jnULOT"}
rbhoomi@hp:~/miniProject$
```