# ? How to update your Docker containers safely

## Purpose

Learn how to update your Docker containers safely, minimizing downtime and preventing accidental data loss.

---

## 1. Check Running Containers

List all currently running containers to know what services are active:

bash

```
docker ps
```

---

## 2. Pull the Latest Images

For each image you want to update, pull the latest version from the registry:

bash

```
docker pull imagename:tag
```

*Replace* `imagename:tag` *with your actual image name and tag.*

---

## 3. Stop and Remove Old Containers

Stop the container without deleting its data volumes:

bash

```
docker stop containername
docker rm containername
```

*Replace* `containername` *with your actual container name.*

---

# 4. Start New Containers with Updated Images

Use your original `docker run` command or your `docker-compose` file to launch the updated containers.

bash

```
docker run -d --name containername imagename:tag
```

---

# 5. Verify Everything is Working

After starting the new containers, check that everything is healthy:

bash

```
docker ps
docker logs containername
```

---

# ? Summary

- **Always backup your data volumes** before updating if possible.
- **Use versioned tags** (e.g., `nginx:1.25`) instead of `latest` to avoid unexpected changes.
- **Use compose files** to automate container recreation safely.

---

Revision #3
Created 27 April 2025 02:31:58 by joliveira
Updated 27 April 2025 02:34:49 by joliveira