

Local Food AI - Uninstallation & Teardown Guide

Project Deliverable

Course B1AI

Class:

Author: François LANGE

Date: 2026/06/19

Table of Contents

- Linux & WSL Client Uninstallation Page 2
 - Step 1.1: Stop & Remove Docker Containers & Volumes Page 2
- Navigate to the project directory Page 2
- Stop services and remove containers, networks, and volumes Page 2
 - Step 1.2: Remove Local Project Docker Images Page 2
 - Step 1.3: Clean Up Virtual Environments, Logs & Backups Page 3
 - Step 1.4: Purge Docker CE (Optional) Page 3
- Windows Host Uninstallation Page 3
 - Step 2.1: Unregister and Delete the WSL Subsystem Environment Page 3
 - Step 2.2: Remove VirtualBox Virtual Machines (if applicable) Page 4
 - Step 2.3: Disable Windows Virtualization Features (Optional) Page 4

The current version is #ident
 "@(#)\$Format:LocalFoodAI_lanfr144:generate_docs.py:Francois
 Lange:lanfr144@school.lu:2026/06/16 21:48:22:Francois
 Lange:lanfr144@school.lu:2026/06/16
 21:48:22:2a8ed056889f3b796f9266feda591b12b72f3b96:HEAD -> main, origin/main:\$"

Local Food AI - Uninstallation & Teardown Guide

This document outlines the standard uninstallation procedures to completely remove the **Local Food AI** stack components from both Windows hosts and Linux/WSL deployment environments.

1. Linux & WSL Client Uninstallation

To cleanly purge the containerized services, databases, virtual environments, and log files:

Step 1.1: Stop & Remove Docker Containers & Volumes

Bring down the Docker Compose stack and permanently delete all associated network interfaces and database volumes:

```
# Navigate to the project directory
cd /dossier/du/projet/Food

# Stop services and remove containers, networks, and volumes
./manage_services.sh stop
docker compose down -v
```

Note: The `-v` flag is critical as it completely purges the MySQL persistent data directories.

Step 1.2: Remove Local Project Docker Images

List the active images associated with the project using:

```
docker image ls | grep -E "food_project|zabbix|searxng|ollama|nginx|airflow"
```

Example output:

IMAGE	ID	DISK USAGE
CONTENT SIZE EXTRA		
apache/airflow:2.8.1 387MB U	e5560ad0b86e	1.94GB
food_project-app:latest 326MB U	3cfb2e77efc7	1.4GB
food_project-ingest:latest 326MB	6e120f3c9946	1.4GB
food_project-mysql:latest	6f33177ab088	1.09GB

234MB	U		
nginx:latest		6e23479198b9	240MB
65.8MB	U		
ollama/ollama:latest		5600a652d108	10.1GB
3.77GB	U		
searxng/searxng:latest		25ff3c045548	375MB
96.4MB	U		
zabbix/zabbix-agent:ubuntu-7.0-latest		db7d6490f39a	202MB
56.2MB	U		
zabbix/zabbix-server-mysql:ubuntu-7.0-latest		78c2e2f75e8d	479MB
121MB	U		
zabbix/zabbix-web-nginx-mysql:ubuntu-7.0-latest		11b12c432e1b	557MB
145MB	U		

To permanently remove all the images related to the application stack from the local cache:

```
docker rmi food_project-app:latest food_project-ingest:latest food_project-
mysql:latest nginx:latest ollama/ollama:latest searxng/searxng:latest zabbix/
zabbix-agent:ubuntu-7.0-latest zabbix/zabbix-server-mysql:ubuntu-7.0-latest
zabbix/zabbix-web-nginx-mysql:ubuntu-7.0-latest apache/airflow:2.8.1
```

Step 1.3: Clean Up Virtual Environments, Logs & Backups

Delete local administrator logs, backup directories, and Python virtual environment libraries:

```
rm -rf .venv/
rm -rf backups/
rm -rf logs/
rm -rf data/
```

Step 1.4: Purge Docker CE (Optional)

If you wish to completely uninstall Docker CE from the Ubuntu/WSL environment:

```
sudo apt-get purge -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin
docker-compose-plugin docker-ce-rootless-extras
sudo rm -rf /var/lib/docker
sudo rm -rf /var/lib/containerd
```

2. Windows Host Uninstallation

To remove all hypervisor and subsystem configurations from the Windows client:

Step 2.1: Unregister and Delete the WSL Subsystem Environment

To completely wipe the WSL2 Ubuntu environment and its entire virtual hard disk (VHD):

- Open a PowerShell terminal as Administrator.
- Execute the unregister command:

```
wsl --unregister Dopro1
```

Warning: This action is irreversible. All configurations, tools, and code inside the WSL `Dopro1` container will be permanently deleted.

Step 2.2: Remove VirtualBox Virtual Machines (if applicable)

If you deployed Ollama or Zabbix nodes on dedicated VirtualBox VMs:

- Open PowerShell or Command Prompt.
- Run the VBoxManage tool to remove the VMs:

```
VBoxManage unregistervm "Ollama_Server" --delete
VBoxManage unregistervm "Zabbix_Server" --delete
```

Step 2.3: Disable Windows Virtualization Features (Optional)

To disable WSL and Virtual Machine Platform features on the Windows host:

```
Disable-WindowsOptionalFeature -Online -FeatureName Microsoft-Windows-Subsystem-Linux
Disable-WindowsOptionalFeature -Online -FeatureName VirtualMachinePlatform
```

Note: A system reboot is required to complete this step.

References

- **OpenFoodFacts Dataset & API Catalog:** Detailed food ingredients database. (<https://world.openfoodfacts.org/>)
- **Ollama Local LLM Inference Engine:** Lightweight instruction-following llama3.2 runtimes. (<https://ollama.com/>)
- **Zabbix Enterprise Telemetry and Monitoring:** System health and performance logging. (<https://www.zabbix.com/>)

Index

- **AI:** Page 1, Page 2, Page 3, Page 4, Page 5
- **MySQL:** Page 2, Page 3, Page 5
- **Zabbix:** Page 2, Page 3, Page 4, Page 5
- **Docker:** Page 1, Page 2, Page 3, Page 5
- **Streamlit:** Page 5
- **Nginx:** Page 2, Page 3, Page 5
- **Airflow:** Page 2, Page 3
- **RAG:** Page 5
- **Allergens:** Page 5
- **Vitamins:** Page 5
- **Minerals:** Page 5
- **Clinical:** Page 5
- **WSL:** Page 1, Page 2, Page 3, Page 4, Page 5
- **Ollama:** Page 2, Page 3, Page 4, Page 5
- **LLM:** Page 4, Page 5
- **Database:** Page 2, Page 4, Page 5
- **Security:** Page 5
- **Telemetry:** Page 4, Page 5
- **Backup:** Page 1, Page 3, Page 5
- **Firewall:** Page 5
- **SMTP:** Page 5