# MLOX — MLOps-in-a-Box

Open-source ML infrastructure for everyone

### The Problem

MLOps is complex, expensive, and built for big players

- Small teams lack access to production-grade ML infrastructure → setting up and running tools like MLflow, Airflow, or feature stores requires deep cloud engineer & DevOps skills and dedicated staff that are often not available.
- Cloud platforms = costly & hard to manage  $\rightarrow$  vendor lock-in, unpredictable pricing, and steep learning curves block early adoption.
- **High entry barriers slow down innovation**  $\rightarrow$  instead of building ML applications, teams spend resources just on re-inventing the MLOps infrastructure wheel.

#### Our Solution

MLOX bundles proven open-source tools into one accessible package

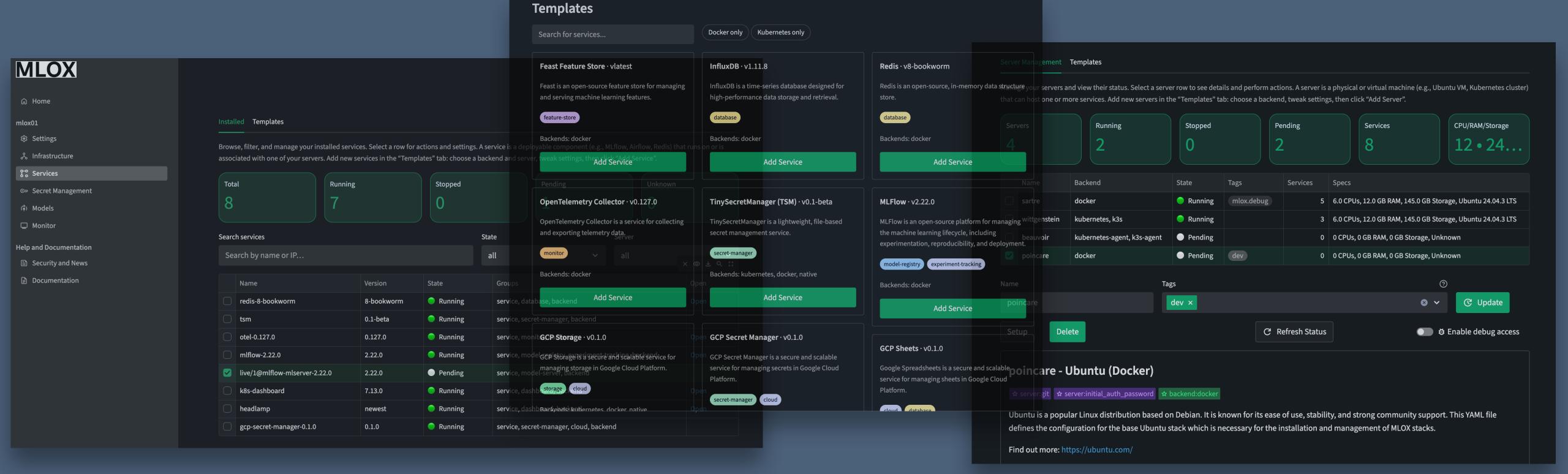
- Simple install & manage complete MLOps stacks  $\rightarrow$  Web-UI and CLI let teams provision servers, deploy services, and monitor infrastructure without deep DevOps expertise.
- On-premise and hybrid cloud  $\rightarrow$  runs on local machines, dedicated servers, or in the cloud (incl. GCP integration) enabling flexible on-premise and hybrid setups.
- 100% open source & community-driven → lowers costs, avoids vendor lock-in, ensures transparency and extensibility — and just feels good ♥.

#### MLOX User Interface

Not just an idea — a real product

Web UI & CLI → manage servers and services in no time — without breaking a sweat

• Monitoring  $\rightarrow$  keep track of what matters: telemetry, databases, Git repos, ML models



#### Achievements

#### Early users confirm the need

- Core infrastructure up & running → tested deployments of key services (e.g. Airflow, MLflow, MLServer, Redis, Influx, Postgres, MinIO, Kafka, Github) show stability in real scenarios.
- Multiple backends supported  $\rightarrow$  run MLOX natively, on localhost, with Docker, or Kubernetes (k3s) for flexible setups.
- PyPI package released → integrates directly with user code, enabling config & secret
  management and first end-to-end workflows right out of the box

#### Vision

Democratizing MLOps in Europe and beyond

- No barriers  $\rightarrow$  production-grade ML infrastructure without heavy costs or DevOps overhead
- Sustainable ecosystem → building open-source MLOps in Europe and beyond
- Empower innovators → Open-source ML infrastructure for everyone

## "From prototype to platform"