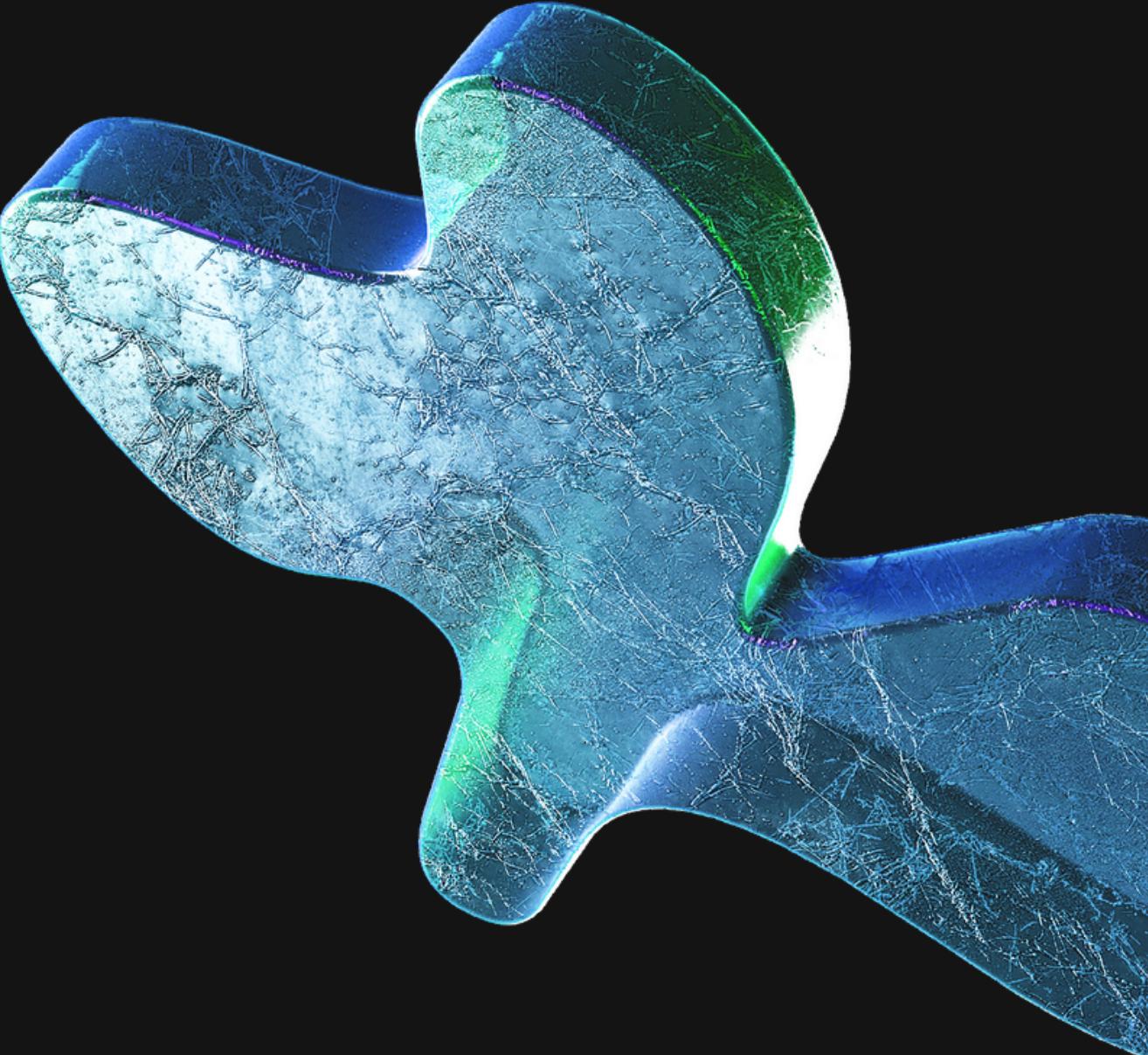


Cloud Computing

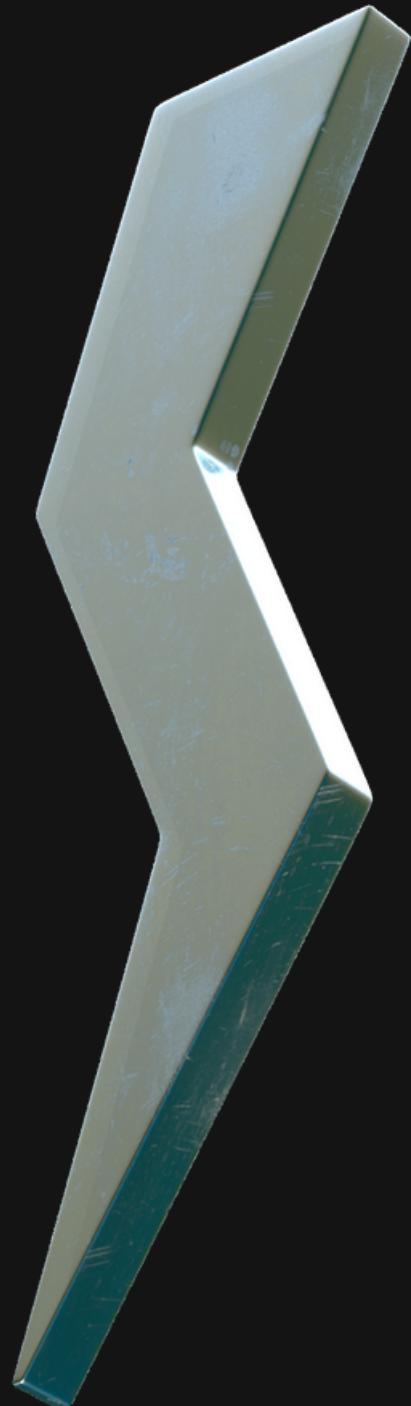
# Scalable Web App

Using Ansible & Docker Swarm on DigitalOcean



# Core technologies

What we have implemented



Traefik acting as local reverse proxy

Nginx acting as global reverse proxy

Let's Encrypt for TLS/SSL certificates

Grafana as Dashboard and Metrics

InfluxDB for time-series data

Telegraf logging metrics

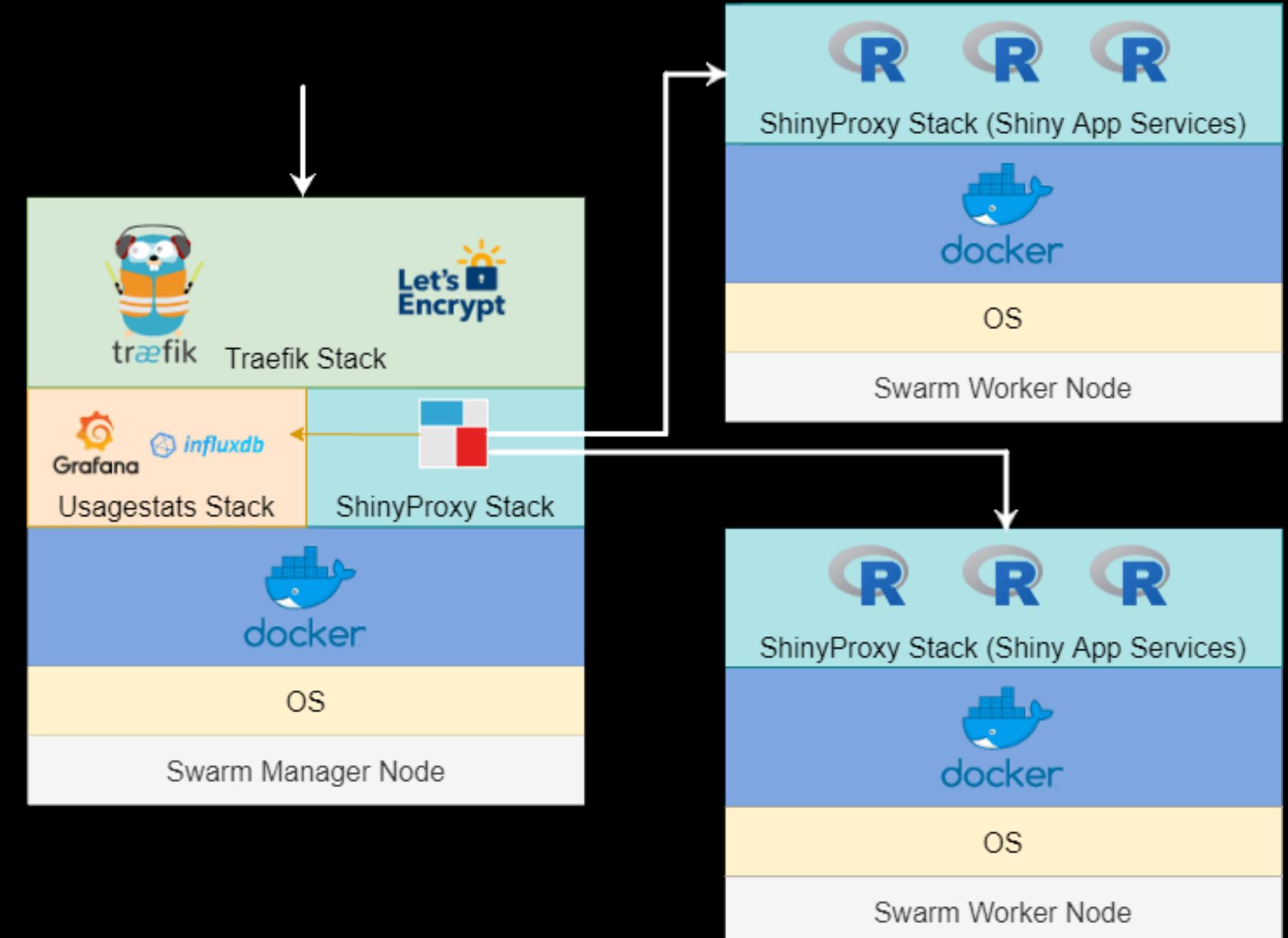
ShinyProxy for hosting WebApps

AWS Cognito for authentication

# Service Architecture

## Manager & Worker Nodes

- 1 load balancer
- 3 Manager nodes
- 5 worker nodes



# Dashboard Live Demo

