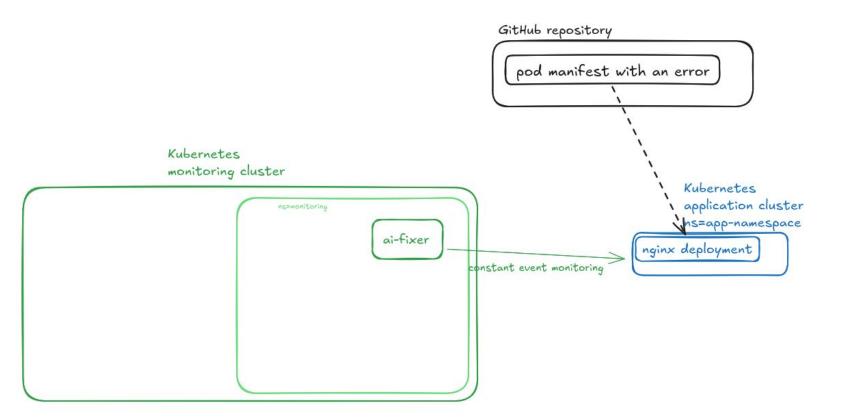


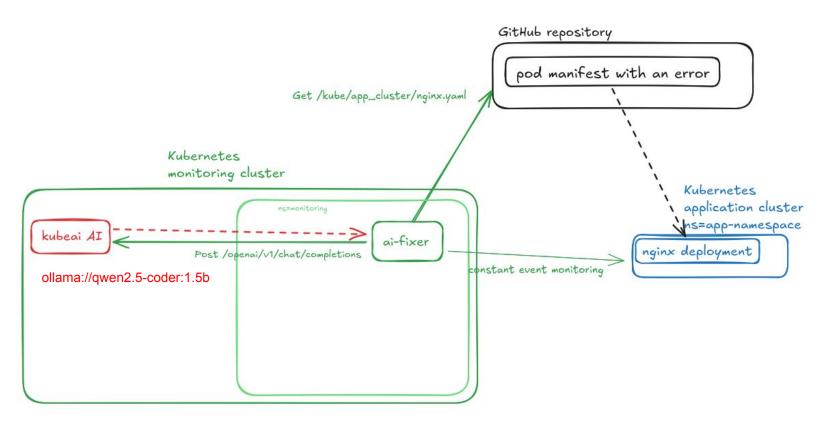
AI-FIXER (Ramen)

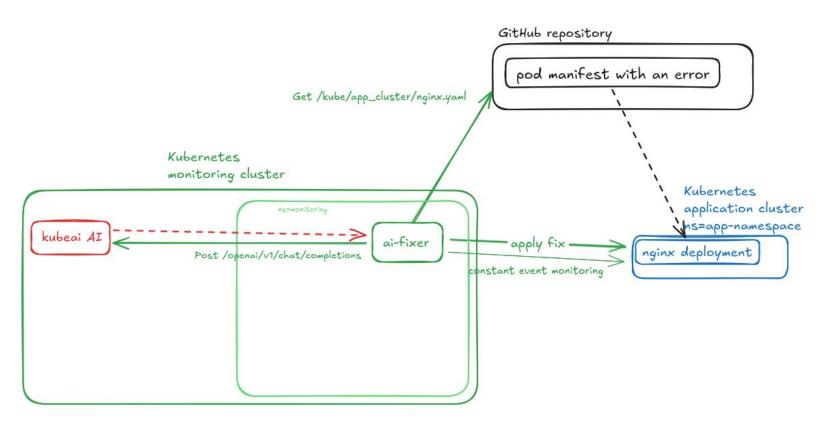
Managing Kubernetes with Al

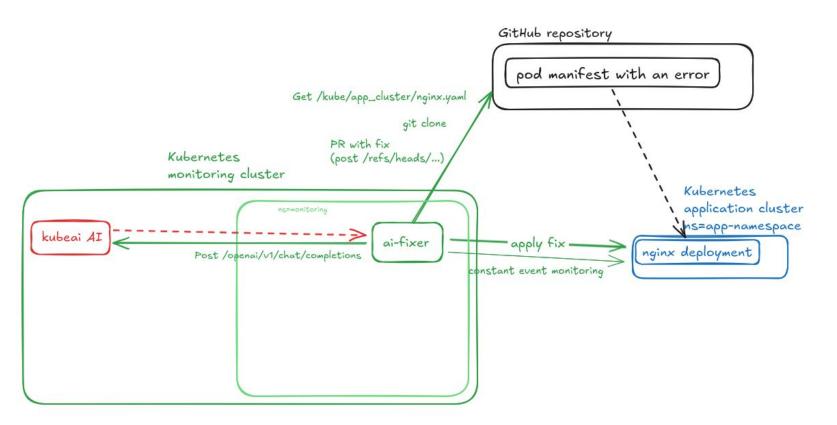
By Dziyana Tsetserava, Muriel Paraire et Vincent Font 26/05/2025 - DO5

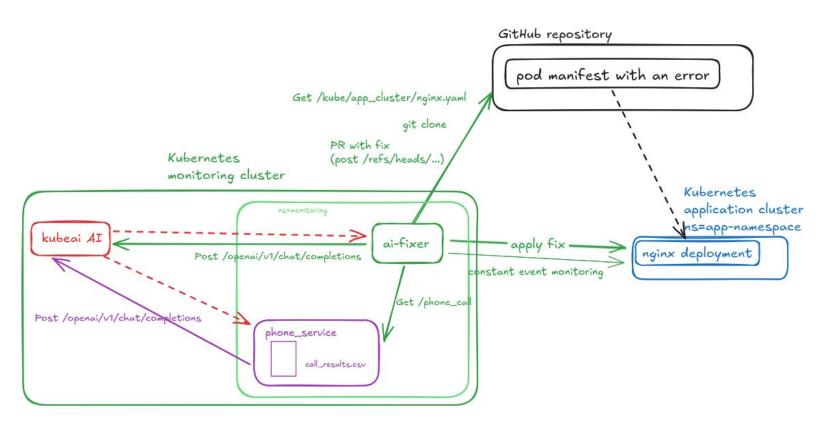


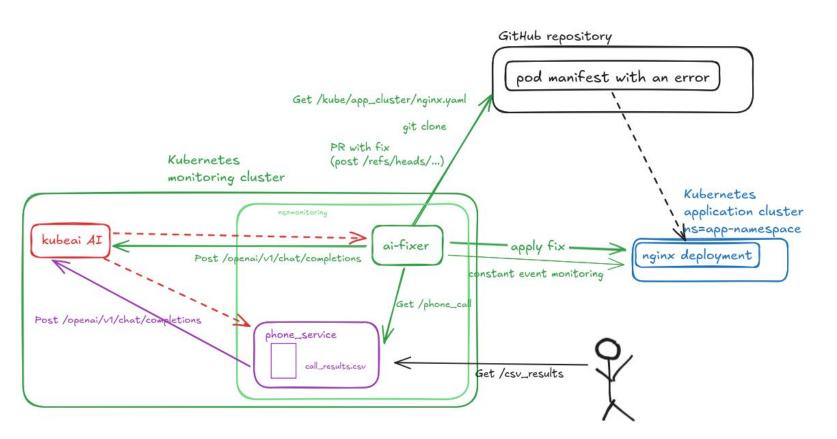












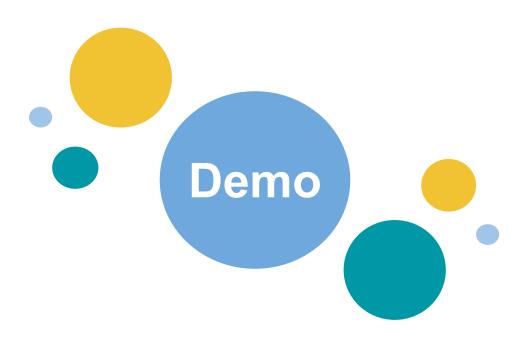
Phone Service (python)

Since a real phone call costs too much, we're going to simulate one via this API

- /phone_call: simulates a phone call and saves the answer to a csv file in its container
- /tts: creates a text using ai based on the error messages received and returns the mp3 created from the ai's answer
- /phone_response: transcribes the content of a mp3 stored on disc and saves it to a file (with sentiment analysis done with the ai)
 - /csv-results: returns the csv file

Using qwen2.5-coder-1.5b-cpu

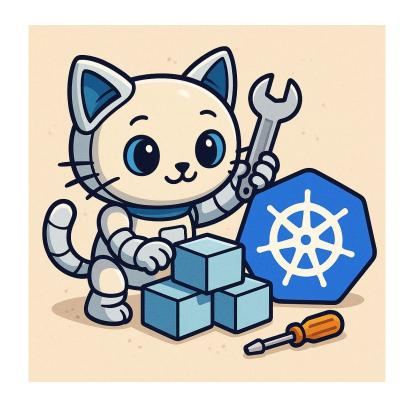




Problems faced:

- Al not doing what it is told (had to use regex on response).
- Same error posted by Kubernetes and treated by Al multiple times.
- If Al doesn't manage to solve the issue, it continues to get errors and tries to solve them again.
- Taking all / old events on startup
- VPN issues when using OpenStack.
- Couldn't create 2nd kube cluster on OpenStack, had to do it locally.





Any questions?