LU04e - How K8s "self-heals"

Goals

1. I'm able to count and explain the relevant pieces of the „self-healing“ mechanism of K8s.
2. I'm able to explain the purpose of each piece in my own words.
3. I'm able to perform a rolling update on a deployment with K8s.
4. I'm able to test/verify the update.
5. I'm able to query relevant information on scaled pods and services in a K8s cluster.
6. I can suggest and implement at least one measure when an error message appears.

Basics

This video demonstrates how to scale an app in Minikube running on a AWS EC2 Instance.

Exercises

1. Read some background information before starting the exercise
2. Watch again the video cast.
3. Update an app in YOUR K8s cluster.
4. Memorize the procedure. It will become handy for future exercises.

Study case

1. Work on `07/02_Exercises/01-Exercise.md to 04-Exercise.md` located in your repository.
2. If an error occurs, read the message carefully, think of a solution and implement it.

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