# 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**

In this article you will learn how K8s "self-heals".

### **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

- 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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