

# 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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