

# LU04c - Scale an App in K8s

## Goals

1. I'm able to explain what's the purpose of scaling an app.
2. I'm able to explain the term horizontal and vertical scaling.
3. I'm able to explain the term Replicaset.
4. I'm able to scale up or down a deployment with a K8s service.
5. I'm able to test/verify a scaled K8s service.
6. I'm able to query relevant information on scaled pods and services in a K8s cluster.
7. 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. Deploy and scale app in YOUR K8s cluster.
4. Memorize the procedure. It will become handy for future exercises.

## Study case

1. Work on 06/02\_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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