





### Introduction

In this lesson, we'll get a walkthrough of what this chapter holds for us.

#### We'll cover the following



- Why are microservices so important?
- Chapter walkthrough
- Quiz

### Technical MicroArchitecture

# Why are microservices so important?#

One of the **strengths** of microservices is that different technologies can be used in *each individual microservice*.

The technologies in the microservices can be defined as part of the microarchitecture (see chapter 3

(https://www.educative.io/collection/page/10370001/6518081205567488/62 18432796164096)).

However, there are **technical challenges** to consider when **selecting technologies** for microservices.

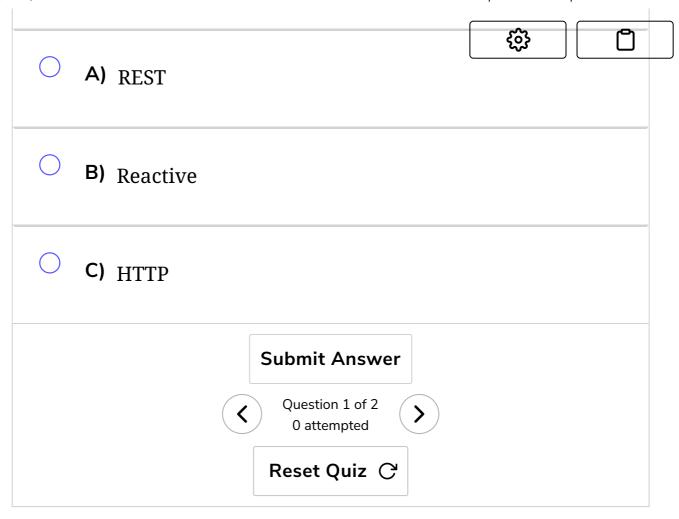
### Chapter walkthrough #

This chapter explains how to deal with the technical microarchitecture:

- The reader gets to know the **requirements** regarding, e.g., operation or resilience, which the microarchitecture has to fulfill.
- Often microservices are implemented with **reactive technologies**. Thus, the chapter discusses this option in more detail and explains when this approach makes sense.
- As a concrete example of technical microarchitecture, the chapter shows **Spring Boot** and **Spring Cloud**.
- Based on Spring Boot and Spring Cloud, the chapter shows how the technical requirements the microarchitecture has to address can be fulfilled.
- In addition, the chapter shows how the programming language Go
  in conjunction with appropriate frameworks fulfills the
  requirements for implementing microservices.

## Quiz#

Which technology are microservices often implemented with as stated above?



In the next lesson, we'll start with the first point from the list above and discuss the requirements, a technology for implementing microservices has to fulfill.





