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?

> 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).

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

1 Which technology are microservices often implemented with as stated above?

COMPLETED 0%

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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.