

# Chapter Conclusion

That's it for this chapter. Here's a high-level summary.

## WE'LL COVER THE FOLLOWING ^

- Summary
- Technically complex
- Few advantages

## Summary #

## Technically complex #

At first glance, synchronous microservices are **simple** because they correspond to the **classic programming model**.

$$\begin{array}{c} \textit{Classic Programming} \\ = \\ \textit{Synchronous Programming} \end{array}$$

But synchronous microservices lead to a **high degree of technical complexity** because microservices have to deal with the **failure** of other microservices and **latencies** add up.

The resulting systems are distributed systems and thus technically complex.

## Few advantages #

This has few advantages. It is advisable to choose this approach only if there are good reasons for doing so.

In general, asynchronous communication makes it easier to deal with the challenges of distributed systems.

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In the next chapter, we'll try a new recipe using the Netflix Stack!