# When it's time to move from monoliths to microservices?

CHECKLIST

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# How can you know when it's time to move from monoliths to microservices?

1. **Change requests are slow**

   Every time when you have to make some changes in the application, you first spend time (and too much time) to study the structure of it because it is too large. Consequently, change request deployments are slow and expensive.

2. **Start-up time is too long**

   Due to application size and complexity, the start-up time is slow and the process takes too long.

3. **Updates include the entire application**

   Because of the monolithic structure, every single update (even small ones) requires the whole application to be updated.

4. **Extensive manual testing**

   The impact of a change is usually not very well understood which leads to doing extensive manual testing.

## 5. Continuous deployment is difficult

All deployments of the application are difficult in the sense of people included, time, and server infrastructure needed.

## 6. Scaling is difficult

Due to the different modules which can have conflicting resources, it is hard to scale the application.

## 7. A small bug affects the whole app

A bug in any portion of the app (e.g. a memory leak) can potentially bring down the entire process and impact its availability. Moreover, since all instances of the application are identical, the bug will impact the availability of the entire application.

## 8. Adoption of new technologies is costly

Since changes in frameworks and languages affect the entire application, it is extremely expensive in regard to both time and money.

**If you marked off at least five of these, you should consider moving to microservices.**

**Check our website to find several useful tips for migration or reach out to us to get help.**

# Who are we?

An international nearshoring and offshoring software development and consulting company. With our unique Team Extension Model, we help companies with each stage of the development lifecycle, not only with development but also with consulting services. Technical consulting in different domains like Architecture Design, Automated Testing, DevOps and SCRUM was recognized in 300+ projects across different industries such as finance, logistics, hospitality, industrial manufactur-ing, healthcare, energy, and retail.

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