**How to implement microservices project?**

Say your application is built on one code and is quite large and monolithic. It worked well until it didn’t. You wish it could evolve and become more resilient, scalable, and independently deployable[1]. To do so, you need to rethink the structure of the application on a granular, microservices level. In this article we will discuss the design Instruction, design principles and implementation of micro services. First, we define the Microservices and different patterns of implementing micro services.

**Microservices Define:**

The concept of Microservices regarding Various claim exists. In **2005**, **Peter Rodgers** introduced the term **"micro-web-services"** during his presentation at the **Web Services Edge conference**. Martin Fowler (2014) described microservice as:

“An approach to developing a single application as a suite of small services, each running in its own process and communicating with lightweight mechanisms, often an HTTP resource API. These services are built around business capabilities and independently deployable by fully automated deployment machinery”

**Sam Newman (2015)** described microservice in his book *Building Microservices* as:

“Microservices are small, autonomous services that work together”

**How we Begin?**

**Step 1:** Start with a monolith

**Step 2**: Organize your teams the right way

**Step 3**: Split the monolith to build a microservices architecture

**Implementation of Microservices Project:**

* Evolving an existing application
* Understand and define your business needs
* Understand your culture and skill set
* Understand the technology
* Sizing the microservices effort

References

[1] M. Waseem *et al.*, “Understanding the Issues , Their Causes and Solutions in Microservices Systems : An Empirical Study,” no. July, 2023, doi: 10.48550/arXiv.2302.01894.

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