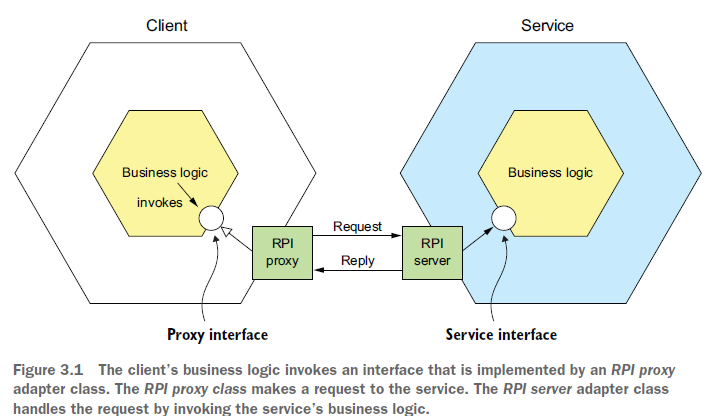
Synchronous Remote Procedure

Invocation (RPI) in Microservices

In RPI, A **client invokes a service** using a **synchronous,** **remote procedure invocation-based protocol, such as REST.**

When using a remote procedure invocation-based IPC mechanism, a client sends a request to a service, and the service processes the request and sends back a response**. Some clients may block waiting** for a response, and **others might have a reactive, nonblocking architecture**. But **unlike when using messaging, the client assumes that the response will arrive in a timely fashion.**



**The *proxy interface* usually encapsulates the underlying communication protocol**.

There are numerous protocols to choose from. We’ll talk about REST and gRPC as examples and how to improve the availability of your services by properly handling partial failure and **explain why a microservices-based application that uses RPI must use a service discovery mechanism.**

# Using REST

Did u figure out what exactly synchronous mean?