Imagine that we have two services - ServiceA and ServiceB. Both services have to communicate with each other in some way. Given this information, please answer following questions:

1. What options do we have to establish such communication?
2. RESTful Web API Endpoint Integration (Request / Response Communication)
3. Messaging Integration (Event Communication)
4. For each option describe what are the pros and cons of this solution?
   1. Request / Response communication pros
      1. the ease of implementation.
      2. One of the benefits of this style of integration is the low latency between calls that are routed from one microservice to another directly, without any additional components such as message brokers.
   2. Request /Response communication cons
      1. They can increase latency and negatively impact the performance, scalability, and availability of your system.
      2. Even worse, a long series of direct HTTP communication can lead to deep and complex chains of synchronous microservices calls
   3. Event communication pros
      1. increase latency and the performance, scalability, and availability of your system.
   4. Events communication cons
      1. Message order isn't guaranteed.
      2. Messages may be received more than once
5. For each option describe what are the cases the solution fits best?
   1. Synchronous communication for Request / Response Communication
   2. Messaging communication is used for asynchronous communication