

Part-4: *A problem with the API gateway is that it is a single point of failure. Describe how you would solve this problem?*

Answer: The issue of single point of failure can be solved by having redundant API gateway, which acts as a replica and even the calls to the API gateways can be load balanced.

Part-5: *A problem with a microservice architecture is that it is difficult to keep track of the business processes that run on the microservice architecture. Describe how you could solve this problem?*

Answer: Tracking the business process is going to be easy because of API gateways. Since API gateways are providing a single access to the multiple microservice running in different clusters and different zones. Using this single access we can track the overall business process.

Part-6: *A problem with a microservice architecture is that it is difficult to keep the interfaces of the different microservices in sync with each other. Describe how you could solve this problem??*

Answer: This is why we needed the API gateway. So that all the user interfaces can have only one single point of entry to the application even though there are multiple instances running at the same time.