Why Microservices are the Future

I agree with the forum's message that microservices and microkernels are the future. Alone the fact that if any change appears with the traditional monolithic architecture, the developer has to develop and deploy the entire stack at once. Furthermore, if any feature of the application is not working, the whole application can also be damaged. Microservices enable a mix of technologies where the software functions are distributed across different servers. The advantage is that even if one microservice fails, the other software functions can continue to work.

The benefits are:

1. Flexibility: All application features are independent, and thus they can be developed with any framework and programming language.
2. Reusability: Microservice architecture can be reused.
3. Reduce Risk: If one component is down, the entire application is still operating.
4. Scalability.
5. Reduce Cost: Teams can be more efficient in developing applications as teams can work on different services that allow more quickly. Hence the developing time is reduced.
6. Continuous delivery: Microservices are easy to manage for continuous delivery since the features are separated.
7. Various data storage and easy team collaboration.
8. Adaptability: Updates do not interrupt other services.

9. Agility: It is easy to scale and test each service independently because of its less amount of code. (Angelova, 2020)

References:

Angelova, A. (2020) 10 Reasons Why Microservices Are The Future.

Available from: https://wiredelta.com/10-reasons-why-microservices-are-the-future/

[Accessed 26 November 2022].