Microservices Assignment 1

What is Microservices?

Microservices is mutant of service-oriented architecture, where our application is divided into smaller and independent services, these services are easy to maintain, have unique functionality and they can do their basic functions without completely depending on other services. This type of architecture provides faster development and scaling process.

Challenges with monolithic oriented architecture:

* Limited to a specific technology stack.
* Scalability is difficult.
* Longer development and updating time.
* A small change in a single service can disrupt whole application.
* Difficult to debug and fix some accidental changes.

Advantages of Microservices:

* Appropriate technologies stacks can be used for different services.
* We can easily scale required service instead of whole application.
* Easy to update and maintain as we can operate on single service without affecting others.
* We have to work specific services which leads to faster development process.
* Business functions can be simplified.

Disadvantages of Microservices:

* Security threats may be increase.
* Difficult to design whole architecture.
* Complexity intercommunication between services.

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