Research Assignment: GraphQL

Objective

The objective of this assignment is getting familiar with the implementation of GraphQL as an API in service integration.

Tasks

Your task is to research the public sources and sample implementations of GraphQL and formulate answers to the following questions:

1. What is GraphQL, what is used for, and why does it contain 'graph' in its title?

2. Which known drawbacks of implementing API gateways in service integration could be resolved by GraphQL?

3. How does GraphQL compare toRESTful API and gRPC? Which are the appropriate use cases for implementing each of these technologies?

Notes

This is an individual and graded assignment.

Answering all the questions in it brings 10 study points.