

REST vs GraphQL

What is GraphQL?

Similarities between REST & GraphQL

Data Fetching

We want to retrieve an user along with the task(s) he/she has created, and in turn get the comments on each of the task(s).

/users/:id

/users/:id/tasks

/users/:id/tasks/:id/comments

GraphQL

Request

```
{
  user {
    name
    task {
      title
      comments {
        comment
      }
    }
  }
}
```

Response

```
{
  "data": {
    "user": {
      "name": "Anonymous Dev 1",
      "tasks": [
        {
          "title": "Learn GraphQL 📖",
          "comments": [
            {
              "comment": "How is it? 😞"
            },
            {
              "comment": "Its Awesome, you must try 😞"
            }
          ]
        },
        {
          "title": "Learn Apollo Client: React, Angular, Vue",
          "comments": [
            {
              "comment": "Cool! 😎👍"
            }
          ]
        }
      ]
    }
  }
}
```

Network Requests

Caching

-- Apollo Client
-- FastQL

Over / Under Fetching

Error Handling

- TODO app (Demo)
- Pokemon app (Demo)