

# Consuming a GraphQL API

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**Roland Guijt**

MVP | CONSULTANT | TRAINER | AUTHOR

@rolandguijt [rolandguijt.com](http://rolandguijt.com)



# Overview



Sending a query via HTTP

Aliases, fragments, named queries,  
directives and variables

Creating an ASP.NET Core client

GraphQL Client



# The Query Confusion

**Query in schema**

**Query sent by clients**



# Multiple Queries in Request Body

```
{ "query" : "query all { products  
            { name price rating photoFileName }  
            }  
  
            query p10 { product(id: 10)  
            { name price rating photoFileName }  
            }",  
  "operationName": "p10"  
}
```



# GraphQL Types

## GraphQL .NET

StringGraphType

IntGraphType

FloatGraphType

BooleanGraphType

IdGraphType

## GraphQL

String

Int

Float

Boolean

ID

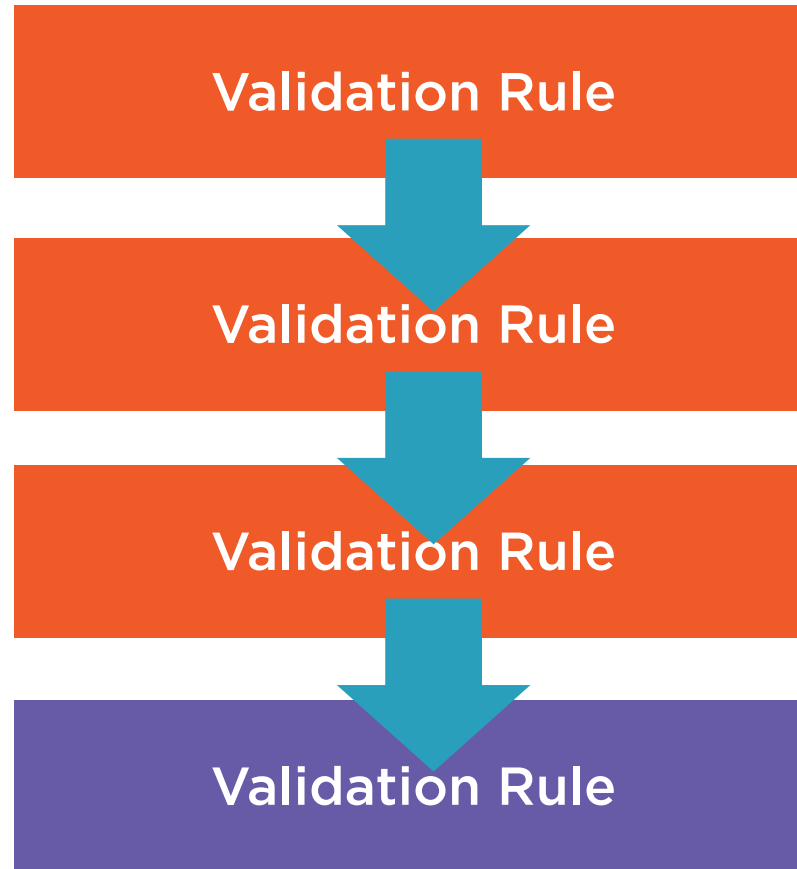


# Providing Query Values in Request Body

```
{ "query" : "query all { products  
  { name price rating photoFileName }  
}  
  
  query p10($productId: ID!) { product(id: $productId)  
    { name price rating photoFileName }  
  }",  
  
  "operationName": "p10",  
  
  "variables": { "productId": 10 }  
}
```



# Validation Rules



<https://4sh.nl/customvalidation>





Every platform that can do  
HTTP requests and process  
JSON can consume a  
GraphQL API



# Fetching Data Using JavaScript

**Load reviews from JavaScript**  
**Using Apollo client library**



# Summary



Queries are send to HTTP endpoint

Query techniques

Errors handling and validation rules

ASP.NET Core client

JavaScript client

