<http://slides.com/pavell/graphql-query>

nodemon index.js

node server.js

**1. Introduction.**

I've prepared a short review of GraphQL

Will tell about key features, compare

Show a sample app

Let's go

**2. What is GraphQL?**

- query language

- client-server

- fetch data

- developed by Facebook

don't know what it has with graphs...

**3. Examples "social network"**

SLIDE "First example" - Explain all the parts of the query

SLIDE "User" - response cintains what we've asked for

SLIDE "User with friend ids"- still a usual thing

SLIDE "User with friends data" - that's a thing!

**4. Explain parts**

- Client

- Server with single graphql endpoint

- Schema - data structure : types + "Resolve" functions

SLIDE - Schema

**5. SLIDES - "How graphql works"**

A few words about mutations

Any transport - http or whatever

Any client, server - implementations (nodejs, java, ...)

Any response-format - json, xml, whatever...

Any data storage

**6. Now I will describe the key features of GraphQL**

SLIDES - "Features"

...introspective

**7. SLIDE "GraphQL vs REST".**

traditionally rest is used

SLIDE "GraphQL vs REST approach"

SLIDES "Comparison"

**8. The sample app** - messenger, where people write and read short messages

Backend

- data.json - users, follows, contacts, messages

- data service

- schema

- message type

- user type (address, contacts)

- query

- index.js

Graphiql

Frontend

has user list

has user page - data, follows

has user feed - what he reads

- backend-api.service

- user list page

- user page - reading

- feed page

show: feed page, add author

**9. SLIDE There is a lot of stuff**