



# TESTE de API ↔ GRPC + node JS™

# Gustavo Rodrigues



/gustavosilvarodrigues



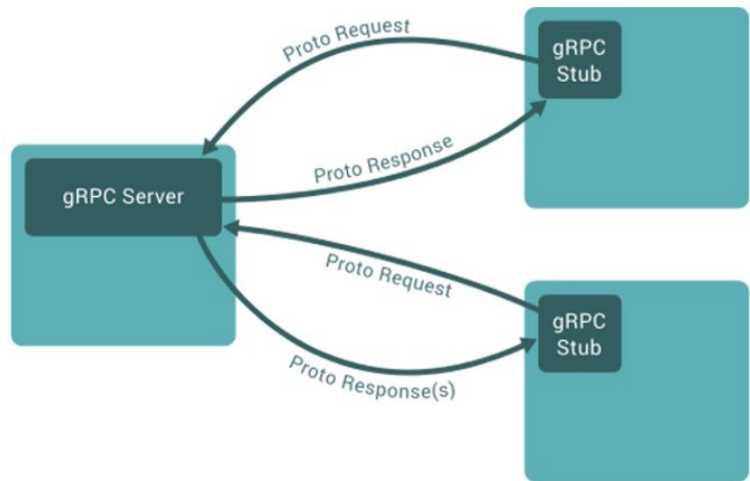
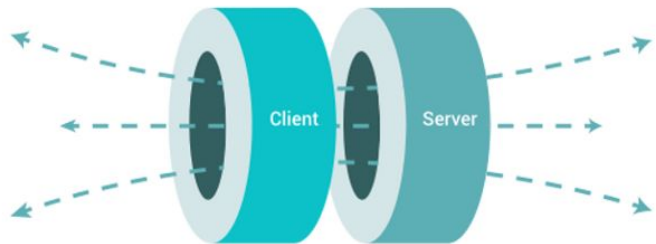
# Karini Magalhães



/karini-magalhaes



# Funcionamento



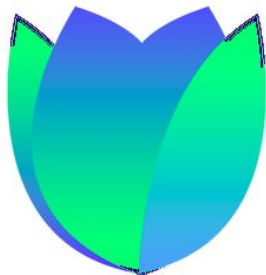
2015-12-21 07:13:02



A black and white photograph of a long, dimly lit tunnel. The tunnel has a ribbed, corrugated metal interior. On the right side, there is a speed limit sign with the number '40'. The perspective is from the end of the tunnel, looking down its length. The text 'Testando um serviço gRPC' is overlaid in the center in a bold, white font.

# Testando um serviço gRPC

# BloomRPC

A screenshot of the Protos IDE interface. The left sidebar shows a file tree for 'test.proto' with a sub-folder 'test.ItemRepository' containing five methods: 'GetByAccountID', 'GetByID', 'GetByIDs', 'ItemClientStream', and 'ItemBiDirectionalStream'. The main window displays the 'test.ItemRepository.ItemBiDirectionalStream' interface. The top bar shows the URL '0.0.0.0:3009' and 'Bi-Directional' mode. The interface is split into two panes: 'Editor' and 'Stream 4'. The 'Editor' pane shows a JSON object: 

```
1- {  
2  "item_id": "3d5c740c-1157-45e1-b65b-65ad97ce64d9"  
3 }
```

 The 'Stream 4' pane shows a detailed JSON response: 

```
- {  
  "item": {  
    "id": "f6bc5703-20d4-4b83-b96d-2e6e93fc76d4",  
    "product_id": "53228238-1d68-46df-9045-cbd40b0c51ce",  
    "account_id": "ae8b175f-70cd-49a2-9672-cef3f6f307a1",  
    "reference": "Hello",  
    "parent_id": "43a9aac-7038-412e-bd85-ac04dc65db7d",  
    "start_date": {  
      "seconds": "20",  
      "nanos": 10  
    },  
    "end_date": {  
      "seconds": "20",  
      "nanos": 10  
    },  
    "status": "ITEM_STATUS_NONE"  
  }  
}
```

 A red pause button is visible over the stream data. The bottom status bar shows 'METADATA'.

# GRPCC

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```
$ npm install -g grpc
```

```
$ grpc --proto ./service/myservice.proto --address 127.0.0.1:3466
```



A person is sitting in a dark room, looking at a laptop screen. The person is wearing a light-colored shirt. The room is mostly dark, with some light coming from the laptop screen and a window in the background. The text "Show me the code!" is overlaid on the bottom of the image.

**Show me the code!**



# Stack

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**Node.js v.10**

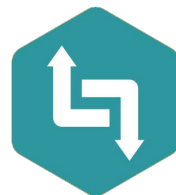
**gRPC v.1.17.0**

**Mali v.0.9.2**

**grpc-caller v.0.12.0**

**Mocha**

**Chai**



**grpc-caller**



# Documentação

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**gRPC:** <https://grpc.io/>

**Mali:** <https://mali.js.org/>

**grpc-caller:** <https://github.com/bojand/grpc-caller>

**GitHub:** <https://github.com/karinimagalhaes/api-movies-grpc>



## Venha ser um ás

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**Obrigado!**



# Dúvidas

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